LinkWare™ Live

LinkWare Live

Official Summary

Certification Report



Exclusively For:
David Powell

ACMS-4451 E 72nd Ave, Commerce City, CO 80022

Prepared By:
Systec101
Murat Yildirim
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Projects
HANSON MDF
MONACO IDF121
ACHS IDF E126
DUPONT IDF
KEMP MDF
ACMS IDF1
KMS IDF2
KMS IDF3
LAHS MDF
MONACO MDF
ROSE HILL MDF
HANSON IDF
ACHS MDF
SANVILLE MDF
DUPONT MDF
ACMS MDF
KMS MDF
ACMS IDF3
ROSE HILL IDF111
ACHS D127
ACHS C216
STARS MDF
ACHS F173
ACHS A103
KMS IDF1
ACHS IDF F022
ACHS D227
ACHS MAIN GYM
ACHS C116
ACMS IDF2
CENTRAL MDF
Adams County School District14
CENTRAL IDF

Product Name	Serial Number	Firmware Version	Calibration Date
DSX-8000	1927408	V6.7 Build 1	10/31/2022
DSX-8000	1927404	V6.7 Build 1	10/31/2022

FLUKE networks

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
101-A	PASS	TIA Cat 6A Channel	113 ft	3.6 dB (NEXT)	12/04/2022 11:30:38 AM
101-B	PASS	TIA Cat 6A Channel	112 ft	3.4 dB (NEXT)	12/04/2022 11:31:01 AM
101-A	PASS	TIA Cat 6A Channel	62 ft	3.5 dB (NEXT)	12/17/2022 03:26:32 PM
101-A	PASS	TIA Cat 6A Channel	91 ft	4.0 dB (NEXT)	12/19/2022 03:19:15 PM
101-A	PASS	TIA Cat 6A Channel	130 ft	3.6 dB (NEXT)	11/26/2022 02:17:01 PM
101-A	PASS	TIA Cat 6A Channel	186 ft	3.9 dB (NEXT)	11/26/2022 01:24:31 PM
101-A	PASS	TIA Cat 6A Channel	112 ft	1.8 dB (NEXT)	12/04/2022 01:56:21 PM
101-A	PASS	TIA Cat 6A Channel	109 ft	2.9 dB (NEXT)	11/27/2022 11:23:57 AM
101-A	PASS	TIA Cat 6A Channel	89 ft	2.0 dB (NEXT)	12/11/2022 11:25:55 AM
100-A	PASS	TIA Cat 6A Channel	219 ft	4.8 dB (NEXT)	12/10/2022 01:08:14 PM
100-B	PASS	TIA Cat 6A Channel	218 ft	4.0 dB (NEXT)	12/10/2022 01:08:42 PM
101-A	PASS	TIA Cat 6A Channel	187 ft	3.5 dB (NEXT)	11/21/2022 05:34:44 PM
101-B	PASS	TIA Cat 6A Channel	189 ft	3.5 dB (NEXT)	11/21/2022 05:35:09 PM
101-A	PASS	TIA Cat 6A Channel	101 ft	3.5 dB (NEXT)	11/22/2022 04:33:53 PM
101-B	PASS	TIA Cat 6A Channel	103 ft	3.8 dB (NEXT)	11/22/2022 04:34:22 PM
101-A	PASS	TIA Cat 6A Channel	239 ft	5.3 dB (NEXT)	12/10/2022 04:29:01 PM
101-A	PASS	TIA Cat 6A Channel	217 ft	4.9 dB (NEXT)	11/22/2022 11:31:23 AM
101-A	PASS	TIA Cat 6A Channel	191 ft	3.4 dB (NEXT)	11/19/2022 04:57:31 PM
101-B	PASS	TIA Cat 6A Channel	189 ft	3.2 dB (NEXT)	11/19/2022 04:58:06 PM
101-A	PASS	TIA Cat 6A Channel	145 ft	3.8 dB (NEXT)	11/27/2022 05:29:34 PM
101-B	PASS	TIA Cat 6A Channel	62 ft	5.0 dB (NEXT)	12/17/2022 03:26:50 PM
101-B	PASS	TIA Cat 6A Channel	92 ft	5.1 dB (NEXT)	12/19/2022 03:21:21 PM
101-B	PASS	TIA Cat 6A Channel	129 ft	3.3 dB (NEXT)	11/26/2022 02:17:22 PM
102-A	PASS	TIA Cat 6A Channel	99 ft	2.5 dB (NEXT)	11/26/2022 04:41:13 PM
101-B	PASS	TIA Cat 6A Channel	184 ft	2.6 dB (NEXT)	11/26/2022 01:20:02 PM
101-B	PASS	TIA Cat 6A Channel	112 ft	1.4 dB (NEXT)	12/04/2022 02:18:22 PM
102-A	PASS	TIA Cat 6A Channel	137 ft	1.5 dB (NEXT)	12/04/2022 02:26:43 PM
101-B	PASS	TIA Cat 6A Channel	109 ft	3.3 dB (NEXT)	11/27/2022 11:24:18 AM
101-B	PASS	TIA Cat 6A Channel	118 ft	2.5 dB (NEXT)	12/11/2022 11:29:29 AM
101-B	PASS	TIA Cat 6A Channel	103 ft	3.8 dB (NEXT)	11/22/2022 04:34:22 PM
101-B	PASS	TIA Cat 6A Channel	241 ft	5.5 dB (NEXT)	12/10/2022 04:29:23 PM
102-A	PASS	TIA Cat 6A Channel	213 ft	3.4 dB (NEXT)	12/10/2022 04:39:20 PM
102-1-A	PASS	TIA Cat 6A Channel	197 ft	3.5 dB (NEXT)	11/20/2022 05:28:26 PM
102-1-B	PASS	TIA Cat 6A Channel	223 ft	4.9 dB (NEXT)	11/20/2022 05:30:14 PM
102-2-A	PASS	TIA Cat 6A Channel	197 ft	4.0 dB (NEXT)	11/20/2022 05:28:48 PM
102-2-B	PASS	TIA Cat 6A Channel	223 ft	3.7 dB (NEXT)	11/20/2022 05:30:57 PM
102-3-A	PASS	TIA Cat 6A Channel	255 ft	2.6 dB (NEXT)	11/20/2022 05:31:42 PM
102-3-B	PASS	TIA Cat 6A Channel	254 ft	2.8 dB (NEXT)	11/20/2022 05:32:19 PM
101-B	PASS	TIA Cat 6A Channel	218 ft	3.9 dB (NEXT)	11/22/2022 11:44:45 AM
102-A	PASS	TIA Cat 6A Channel	196 ft	4.4 dB (NEXT)	11/22/2022 11:50:27 AM
102-B	PASS	TIA Cat 6A Channel	98 ft	3.3 dB (NEXT)	11/26/2022 04:40:46 PM
102-B	PASS	TIA Cat 6A Channel	138 ft	1.4 dB (NEXT)	12/04/2022 02:27:24 PM
104-1-A	PASS	TIA Cat 6A Channel	123 ft	3.2 dB (NEXT)	11/27/2022 11:29:04 AM
104-1-B	PASS	TIA Cat 6A Channel	123 ft	3.5 dB (NEXT)	11/27/2022 11:29:31 AM
104-2-A	PASS	TIA Cat 6A Channel	103 ft	3.3 dB (NEXT)	11/27/2022 11:38:42 AM
104-2-B	PASS	TIA Cat 6A Channel	103 ft	4.2 dB (NEXT)	11/27/2022 11:47:57 AM
104-3-A	PASS	TIA Cat 6A Channel	125 ft	3.5 dB (NEXT)	11/27/2022 11:59:30 AM
104-3-B	PASS	TIA Cat 6A Channel	126 ft	4.4 dB (NEXT)	11/27/2022 12:00:09 PM
103-A	PASS	TIA Cat 6A Channel	127 ft	3.0 dB (NEXT)	11/21/2022 02:33:01 PM
103-B	PASS	TIA Cat 6A Channel	127 ft	4.0 dB (NEXT)	11/21/2022 02:33:22 PM
102-B	PASS	TIA Cat 6A Channel	213 ft	4.7 dB (NEXT)	12/10/2022 04:39:36 PM
103-A	PASS	TIA Cat 6A Channel	209 ft	5.6 dB (NEXT)	12/10/2022 04:31:32 PM
103-B	PASS	TIA Cat 6A Channel	205 ft	3.9 dB (NEXT)	12/10/2022 04:37:14 PM
103-A	PASS	TIA Cat 6A Channel	96 ft	3.0 dB (NEXT)	11/20/2022 06:32:51 PM
103-B	PASS	TIA Cat 6A Channel	96 ft	3.3 dB (NEXT)	11/20/2022 06:33:09 PM
102-B	PASS	TIA Cat 6A Channel	196 ft	3.8 dB (NEXT)	11/22/2022 11:51:08 AM
103-A	PASS	TIA Cat 6A Channel	168 ft	4.4 dB (NEXT)	11/22/2022 11:53:15 AM
103-B	PASS	TIA Cat 6A Channel	168 ft	3.6 dB (NEXT)	11/22/2022 11:53:42 AM
103-A	PASS	TIA Cat 6A Channel	157 ft	3.5 dB (NEXT)	11/19/2022 05:01:38 PM

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Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
103-B	PASS	TIA Cat 6A Channel	157 ft	4.7 dB (NEXT)	11/19/2022 05:01:58 PM
104-A	PASS	TIA Cat 6A Channel	147 ft	2.8 dB (NEXT)	11/19/2022 03:53:44 PM
104-B	PASS	TIA Cat 6A Channel	148 ft	5.9 dB (NEXT)	11/19/2022 03:55:27 PM
104-A	PASS	TIA Cat 6A Channel	111 ft	3.4 dB (NEXT)	12/17/2022 03:35:03 PM
104-B	PASS	TIA Cat 6A Channel	111 ft	2.7 dB (NEXT)	12/17/2022 03:36:15 PM
104-A	PASS	TIA Cat 6A Channel	114 ft	4.7 dB (NEXT)	11/25/2022 01:41:02 PM
104-B	PASS	TIA Cat 6A Channel	114 ft	4.2 dB (NEXT)	11/25/2022 01:41:44 PM
104-A	PASS	TIA Cat 6A Channel	84 ft	2.7 dB (NEXT)	11/26/2022 02:20:53 PM
104-B	PASS	TIA Cat 6A Channel	85 ft	2.0 dB (NEXT)	11/26/2022 02:21:16 PM
105-1-A	PASS	TIA Cat 6A Channel	175 ft	4.7 dB (NEXT)	12/11/2022 01:09:48 PM
105-1-B	PASS	TIA Cat 6A Channel	176 ft	4.1 dB (NEXT)	12/11/2022 01:16:44 PM
104-A	PASS	TIA Cat 6A Channel	160 ft	2.2 dB (NEXT)	11/21/2022 02:19:52 PM
104-B	PASS	TIA Cat 6A Channel	159 ft	2.4 dB (NEXT)	11/21/2022 02:20:22 PM
105-1-A	PASS	TIA Cat 6A Channel	188 ft	3.7 dB (NEXT)	12/10/2022 06:30:47 PM
105-1-B	PASS	TIA Cat 6A Channel	188 ft	5.2 dB (NEXT)	12/10/2022 06:34:01 PM
104-A	PASS	TIA Cat 6A Channel	168 ft	4.7 dB (NEXT)	11/22/2022 11:57:23 AM
104-B	PASS	TIA Cat 6A Channel	167 ft	4.8 dB (NEXT)	11/22/2022 11:58:03 AM
104-A	PASS	TIA Cat 6A Channel	139 ft	4.6 dB (NEXT)	11/19/2022 05:10:24 PM
104-B	PASS	TIA Cat 6A Channel	139 ft	3.8 dB (NEXT)	11/19/2022 05:10:39 PM
104-A	PASS	TIA Cat 6A Channel	212 ft	5.3 dB (NEXT)	11/27/2022 05:31:07 PM
104-B	PASS	TIA Cat 6A Channel	211 ft	1.3 dB (NEXT)	11/27/2022 05:39:55 PM
105-A	PASS	TIA Cat 6A Channel	159 ft	4.4 dB (NEXT)	12/17/2022 03:36:38 PM
105-A	PASS	TIA Cat 6A Channel	132 ft	4.3 dB (NEXT)	11/25/2022 01:51:11 PM
105-B	PASS	TIA Cat 6A Channel	147 ft	3.3 dB (NEXT)	11/25/2022 01:51:57 PM
105-A	PASS	TIA Cat 6A Channel	115 ft	3.6 dB (NEXT)	11/26/2022 02:24:08 PM
105-B	PASS	TIA Cat 6A Channel	116 ft	2.6 dB (NEXT)	11/26/2022 02:24:45 PM
105-2-A	PASS	TIA Cat 6A Channel	203 ft	2.4 dB (NEXT)	12/11/2022 01:08:02 PM
105-2-B	PASS	TIA Cat 6A Channel	202 ft	3.3 dB (NEXT)	12/11/2022 01:01:54 PM
105-3-A	PASS	TIA Cat 6A Channel	225 ft	3.1 dB (NEXT)	12/11/2022 12:50:36 PM
105-3-B	PASS	TIA Cat 6A Channel	225 ft	4.0 dB (NEXT)	12/11/2022 12:51:13 PM
105-A	PASS	TIA Cat 6A Channel	190 ft	2.3 dB (NEXT)	11/21/2022 05:41:49 PM
105-B	PASS	TIA Cat 6A Channel	191 ft	3.8 dB (NEXT)	11/21/2022 05:43:28 PM
105-A	PASS	TIA Cat 6A Channel	196 ft	3.7 dB (NEXT)	11/21/2022 02:12:56 PM
105-A	PASS	TIA Cat 6A Channel	154 ft	4.2 dB (NEXT)	12/10/2022 04:09:36 PM
105-2-A	PASS	TIA Cat 6A Channel	146 ft	4.3 dB (NEXT)	12/10/2022 06:38:21 PM
105-2-B	PASS	TIA Cat 6A Channel	146 ft	5.5 dB (NEXT)	12/10/2022 06:38:46 PM
105-3-A	PASS	TIA Cat 6A Channel	227 ft	5.3 dB (NEXT)	12/10/2022 06:43:13 PM
105-3-B	PASS	TIA Cat 6A Channel	227 ft	4.0 dB (NEXT)	12/10/2022 06:45:30 PM
105-4-A	PASS	TIA Cat 6A Channel	187 ft	4.9 dB (NEXT)	12/10/2022 06:42:11 PM
105-4-B	PASS	TIA Cat 6A Channel	189 ft	4.1 dB (NEXT)	12/10/2022 06:42:29 PM
105-A	PASS	TIA Cat 6A Channel	252 ft	5.3 dB (NEXT)	11/27/2022 05:41:46 PM
105-B	PASS	TIA Cat 6A Channel	159 ft	3.8 dB (NEXT)	12/17/2022 03:39:25 PM
105-B	PASS	TIA Cat 6A Channel	147 ft	3.3 dB (NEXT)	11/25/2022 01:51:57 PM
105-B	PASS	TIA Cat 6A Channel	191 ft	3.8 dB (NEXT)	11/21/2022 05:43:28 PM
105-B	PASS	TIA Cat 6A Channel	154 ft	4.7 dB (NEXT)	12/10/2022 04:09:58 PM
106-1-A	PASS	TIA Cat 6A Channel	145 ft	3.7 dB (NEXT)	12/18/2022 04:54:31 PM
106-1-B	PASS	TIA Cat 6A Channel	144 ft	5.1 dB (NEXT)	12/18/2022 05:03:32 PM
106-2-A	PASS	TIA Cat 6A Channel	106 ft	4.3 dB (NEXT)	12/18/2022 04:50:49 PM
106-2-B	PASS	TIA Cat 6A Channel	107 ft	3.9 dB (NEXT)	12/18/2022 04:51:10 PM
106-3-A	PASS	TIA Cat 6A Channel	108 ft	3.5 dB (NEXT)	12/18/2022 04:45:11 PM
106-3-B	PASS	TIA Cat 6A Channel	108 ft	5.0 dB (NEXT)	12/18/2022 04:46:34 PM
106-4-A	PASS	TIA Cat 6A Channel	159 ft	4.3 dB (NEXT)	12/18/2022 04:16:32 PM
106-4-B	PASS	TIA Cat 6A Channel	160 ft	4.8 dB (NEXT)	12/18/2022 04:21:25 PM
106-5-A	PASS	TIA Cat 6A Channel	127 ft	5.2 dB (NEXT)	12/18/2022 04:26:57 PM
106-5-B	PASS	TIA Cat 6A Channel	127 ft	4.4 dB (NEXT)	12/18/2022 04:26:20 PM
106-6-A	PASS	TIA Cat 6A Channel	123 ft	3.9 dB (NEXT)	12/18/2022 04:40:27 PM
106-6-B	PASS	TIA Cat 6A Channel	124 ft	3.4 dB (NEXT)	12/18/2022 04:41:35 PM
106-7-A	PASS	TIA Cat 6A Channel	178 ft	4.3 dB (NEXT)	12/18/2022 04:14:28 PM
106-7-B	PASS	TIA Cat 6A Channel	178 ft	4.0 dB (NEXT)	12/18/2022 04:15:33 PM

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Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
106-8-A	PASS	TIA Cat 6A Channel	152 ft	4.3 dB (NEXT)	12/18/2022 04:04:45 PM
106-8-B	PASS	TIA Cat 6A Channel	152 ft	4.1 dB (NEXT)	12/18/2022 04:05:32 PM
106-A	PASS	TIA Cat 6A Channel	183 ft	2.6 dB (NEXT)	12/17/2022 03:41:10 PM
106-B	PASS	TIA Cat 6A Channel	182 ft	4.5 dB (NEXT)	12/17/2022 03:42:28 PM
106-A	PASS	TIA Cat 6A Channel	66 ft	3.6 dB (NEXT)	12/19/2022 03:16:17 PM
106-A	PASS	TIA Cat 6A Channel	165 ft	4.0 dB (NEXT)	11/25/2022 05:32:22 PM
106-B	PASS	TIA Cat 6A Channel	162 ft	2.1 dB (NEXT)	11/25/2022 05:36:56 PM
106-A	PASS	TIA Cat 6A Channel	127 ft	2.7 dB (NEXT)	11/26/2022 02:27:29 PM
106-B	PASS	TIA Cat 6A Channel	127 ft	3.0 dB (NEXT)	11/26/2022 02:28:08 PM
106-A	PASS	TIA Cat 6A Channel	119 ft	3.6 dB (NEXT)	11/27/2022 12:03:07 PM
106-B	PASS	TIA Cat 6A Channel	119 ft	3.9 dB (NEXT)	11/27/2022 12:03:37 PM
106-A	PASS	TIA Cat 6A Channel	197 ft	2.0 dB (NEXT)	12/11/2022 11:30:19 AM
106-B	PASS	TIA Cat 6A Channel	197 ft	3.4 dB (NEXT)	12/11/2022 11:35:43 AM
106-A	PASS	TIA Cat 6A Channel	221 ft	3.5 dB (NEXT)	11/21/2022 02:05:17 PM
106-B	PASS	TIA Cat 6A Channel	172 ft	3.9 dB (NEXT)	11/21/2022 02:17:31 PM
106-A	PASS	TIA Cat 6A Channel	163 ft	4.8 dB (NEXT)	12/10/2022 04:07:17 PM
106-B	PASS	TIA Cat 6A Channel	162 ft	3.5 dB (NEXT)	12/10/2022 04:07:47 PM
106-A	PASS	TIA Cat 6A Channel	98 ft	5.3 dB (NEXT)	11/23/2022 01:08:43 PM
106-B	PASS	TIA Cat 6A Channel	99 ft	4.7 dB (NEXT)	11/23/2022 01:38:15 PM
106-9-A	PASS	TIA Cat 6A Channel	152 ft	4.7 dB (NEXT)	12/18/2022 03:52:14 PM
106-9-B	PASS	TIA Cat 6A Channel	151 ft	3.6 dB (NEXT)	12/18/2022 03:57:14 PM
106-A	PASS	TIA Cat 6A Channel	284 ft	5.0 dB (NEXT)	11/27/2022 05:53:34 PM
107-A	PASS	TIA Cat 6A Channel	212 ft	4.7 dB (NEXT)	12/17/2022 03:43:43 PM
107-B	PASS	TIA Cat 6A Channel	212 ft	3.7 dB (NEXT)	12/17/2022 03:45:57 PM
107-A	PASS	TIA Cat 6A Channel	217 ft	2.6 dB (NEXT)	11/25/2022 02:02:13 PM
107-A	PASS	TIA Cat 6A Channel	162 ft	3.9 dB (NEXT)	11/26/2022 02:31:27 PM
107-B	PASS	TIA Cat 6A Channel	162 ft	1.3 dB (NEXT)	11/26/2022 02:31:54 PM
107-1-A	PASS	TIA Cat 6A Channel	212 ft	5.2 dB (NEXT)	12/04/2022 04:51:49 PM
107-1-B	PASS	TIA Cat 6A Channel	212 ft	5.2 dB (NEXT)	12/04/2022 04:56:13 PM
107-2-A	PASS	TIA Cat 6A Channel	182 ft	4.5 dB (NEXT)	12/04/2022 04:41:59 PM
107-2-B	PASS	TIA Cat 6A Channel	139 ft	3.3 dB (NEXT)	12/04/2022 05:44:21 PM
107-3-A	PASS	TIA Cat 6A Channel	167 ft	2.9 dB (NEXT)	12/04/2022 04:35:12 PM
107-3-B	PASS	TIA Cat 6A Channel	168 ft	3.3 dB (NEXT)	12/04/2022 04:34:32 PM
106-B	PASS	TIA Cat 6A Channel	119 ft	3.9 dB (NEXT)	11/27/2022 12:03:37 PM
107-A	PASS	TIA Cat 6A Channel	229 ft	2.4 dB (NEXT)	12/11/2022 11:40:29 AM
107-B	PASS	TIA Cat 6A Channel	229 ft	3.5 dB (NEXT)	12/11/2022 11:40:53 AM
107-A	PASS	TIA Cat 6A Channel	146 ft	4.5 dB (NEXT)	11/22/2022 04:48:20 PM
107-A	PASS	TIA Cat 6A Channel	221 ft	3.2 dB (NEXT)	11/21/2022 01:59:16 PM
106-B	PASS	TIA Cat 6A Channel	162 ft	3.5 dB (NEXT)	12/10/2022 04:07:47 PM
107-A	PASS	TIA Cat 6A Channel	134 ft	3.1 dB (NEXT)	11/22/2022 12:00:37 PM
107-A	PASS	TIA Cat 6A Channel	331 ft	2.9 dB (NEXT)	11/27/2022 05:55:04 PM
107-B	PASS	TIA Cat 6A Channel	331 ft	3.4 dB (NEXT)	11/27/2022 05:55:43 PM
108-A	PASS	TIA Cat 6A Channel	219 ft	3.7 dB (NEXT)	12/17/2022 03:48:27 PM
108-A	PASS	TIA Cat 6A Channel	115 ft	4.9 dB (NEXT)	12/19/2022 01:41:08 PM
107-B	PASS	TIA Cat 6A Channel	219 ft	4.9 dB (NEXT)	11/25/2022 02:02:46 PM
108-A	PASS	TIA Cat 6A Channel	226 ft	4.5 dB (NEXT)	11/25/2022 02:14:01 PM
108-A	PASS	TIA Cat 6A Channel	34 ft	1.5 dB (NEXT)	11/26/2022 12:40:52 PM
108-B	PASS	TIA Cat 6A Channel	34 ft	1.6 dB (NEXT)	11/26/2022 12:49:56 PM
108-1-A	PASS	TIA Cat 6A Channel	144 ft	5.7 dB (NEXT)	12/04/2022 05:12:20 PM
108-1-B	PASS	TIA Cat 6A Channel	144 ft	4.2 dB (NEXT)	12/04/2022 05:15:44 PM
108-2-A	PASS	TIA Cat 6A Channel	149 ft	4.2 dB (NEXT)	12/04/2022 05:03:16 PM
108-2-B	PASS	TIA Cat 6A Channel	150 ft	3.9 dB (NEXT)	12/04/2022 04:58:32 PM
108-A	PASS	TIA Cat 6A Channel	272 ft	4.3 dB (NEXT)	12/11/2022 12:07:01 PM
107-B	PASS	TIA Cat 6A Channel	147 ft	4.9 dB (NEXT)	11/22/2022 04:53:07 PM
107-B	PASS	TIA Cat 6A Channel	222 ft	3.5 dB (NEXT)	11/21/2022 01:59:41 PM
108-A	PASS	TIA Cat 6A Channel	221 ft	2.9 dB (NEXT)	11/21/2022 02:05:46 PM
108-B	PASS	TIA Cat 6A Channel	182 ft	3.0 dB (NEXT)	11/21/2022 02:10:17 PM
107-B	PASS	TIA Cat 6A Channel	132 ft	3.2 dB (NEXT)	11/22/2022 12:01:10 PM
108-A	PASS	TIA Cat 6A Channel	126 ft	4.9 dB (NEXT)	11/22/2022 12:03:09 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
108-B	PASS	TIA Cat 6A Channel	127 ft	4.2 dB (NEXT)	11/22/2022 12:04:02 PM
108-A	PASS	TIA Cat 6A Channel	64 ft	3.8 dB (NEXT)	11/25/2022 11:59:28 AM
108-A	PASS	TIA Cat 6A Channel	328 ft	2.6 dB (NEXT)	11/27/2022 05:58:19 PM
108-B	PASS	TIA Cat 6A Channel	219 ft	4.4 dB (NEXT)	12/17/2022 03:48:51 PM
108-B	PASS	TIA Cat 6A Channel	115 ft	5.2 dB (NEXT)	12/19/2022 01:41:28 PM
109-A	PASS	TIA Cat 6A Channel	142 ft	4.9 dB (NEXT)	12/19/2022 01:46:36 PM
108-B	PASS	TIA Cat 6A Channel	227 ft	3.4 dB (NEXT)	11/25/2022 02:09:09 PM
109-A	PASS	TIA Cat 6A Channel	199 ft	4.1 dB (NEXT)	11/25/2022 02:17:11 PM
109-A	PASS	TIA Cat 6A Channel	128 ft	3.1 dB (NEXT)	11/26/2022 12:20:38 PM
109-A	PASS	TIA Cat 6A Channel	151 ft	1.6 dB (NEXT)	11/27/2022 12:05:17 PM
108-B	PASS	TIA Cat 6A Channel	261 ft	3.2 dB (NEXT)	12/11/2022 11:48:11 AM
109-A	PASS	TIA Cat 6A Channel	272 ft	4.5 dB (NEXT)	12/11/2022 12:03:24 PM
109-1-A	PASS	TIA Cat 6A Channel	127 ft	5.7 dB (NEXT)	12/10/2022 01:22:13 PM
109-1-B	PASS	TIA Cat 6A Channel	126 ft	5.0 dB (NEXT)	12/10/2022 01:22:38 PM
109-2-A	PASS	TIA Cat 6A Channel	160 ft	4.6 dB (NEXT)	12/10/2022 01:17:00 PM
109-2-B	PASS	TIA Cat 6A Channel	160 ft	4.9 dB (NEXT)	12/10/2022 01:16:29 PM
109-A	PASS	TIA Cat 6A Channel	166 ft	3.0 dB (NEXT)	11/21/2022 05:30:54 PM
109-A	PASS	TIA Cat 6A Channel	170 ft	3.6 dB (NEXT)	11/21/2022 02:17:03 PM
109-B	PASS	TIA Cat 6A Channel	182 ft	3.4 dB (NEXT)	11/21/2022 02:09:39 PM
109-A	PASS	TIA Cat 6A Channel	105 ft	4.1 dB (NEXT)	11/22/2022 12:07:07 PM
108-B	PASS	TIA Cat 6A Channel	64 ft	3.2 dB (NEXT)	11/25/2022 11:59:56 AM
109-A	PASS	TIA Cat 6A Channel	76 ft	3.8 dB (NEXT)	11/25/2022 11:55:30 AM
108-B	PASS	TIA Cat 6A Channel	289 ft	4.9 dB (NEXT)	11/27/2022 06:03:46 PM
110-A	PASS	TIA Cat 6A Channel	189 ft	2.9 dB (NEXT)	12/17/2022 03:49:14 PM
109-B	PASS	TIA Cat 6A Channel	144 ft	5.5 dB (NEXT)	12/19/2022 01:46:56 PM
110-A	PASS	TIA Cat 6A Channel	155 ft	6.0 dB (NEXT)	12/19/2022 01:49:22 PM
109-B	PASS	TIA Cat 6A Channel	198 ft	3.1 dB (NEXT)	11/25/2022 02:17:32 PM
110-A	PASS	TIA Cat 6A Channel	223 ft	3.5 dB (NEXT)	11/25/2022 05:43:33 PM
109-B	PASS	TIA Cat 6A Channel	151 ft	3.7 dB (NEXT)	11/27/2022 12:07:44 PM
110-A	PASS	TIA Cat 6A Channel	174 ft	3.6 dB (NEXT)	11/27/2022 12:10:17 PM
109-B	PASS	TIA Cat 6A Channel	270 ft	4.5 dB (NEXT)	12/11/2022 12:04:31 PM
109-B	PASS	TIA Cat 6A Channel	167 ft	3.6 dB (NEXT)	11/21/2022 05:31:54 PM
110-1-A	PASS	TIA Cat 6A Channel	156 ft	2.9 dB (NEXT)	11/21/2022 05:25:33 PM
110-1-B	PASS	TIA Cat 6A Channel	156 ft	3.8 dB (NEXT)	11/21/2022 05:26:15 PM
110-2-A	PASS	TIA Cat 6A Channel	157 ft	2.9 dB (NEXT)	11/21/2022 05:20:33 PM
110-2-B	PASS	TIA Cat 6A Channel	157 ft	3.3 dB (NEXT)	11/21/2022 05:23:25 PM
109-B	PASS	TIA Cat 6A Channel	182 ft	3.4 dB (NEXT)	11/21/2022 02:09:39 PM
109-B	PASS	TIA Cat 6A Channel	105 ft	4.0 dB (NEXT)	11/22/2022 12:07:43 PM
110-A	PASS	TIA Cat 6A Channel	117 ft	4.1 dB (NEXT)	11/22/2022 12:11:52 PM
109-B	PASS	TIA Cat 6A Channel	76 ft	3.6 dB (NEXT)	11/25/2022 11:55:54 AM
110-A	PASS	TIA Cat 6A Channel	107 ft	3.9 dB (NEXT)	11/25/2022 05:11:12 PM
110-A	PASS	TIA Cat 6A Channel	289 ft	4.3 dB (NEXT)	11/27/2022 06:02:06 PM
110-B	PASS	TIA Cat 6A Channel	288 ft	4.3 dB (NEXT)	11/27/2022 06:01:37 PM
110-B	PASS	TIA Cat 6A Channel	189 ft	5.5 dB (NEXT)	12/17/2022 03:51:54 PM
111-A	PASS	TIA Cat 6A Channel	141 ft	3.5 dB (NEXT)	12/17/2022 03:55:40 PM
110-B	PASS	TIA Cat 6A Channel	155 ft	5.7 dB (NEXT)	12/19/2022 01:49:44 PM
110-B	PASS	TIA Cat 6A Channel	225 ft	3.7 dB (NEXT)	11/25/2022 05:43:57 PM
111-A	PASS	TIA Cat 6A Channel	146 ft	5.0 dB (NEXT)	11/25/2022 02:23:40 PM
111-A	PASS	TIA Cat 6A Channel	215 ft	3.9 dB (NEXT)	11/27/2022 12:17:23 PM
111-A	PASS	TIA Cat 6A Channel	124 ft	4.1 dB (NEXT)	11/21/2022 04:42:41 PM
111-A	PASS	TIA Cat 6A Channel	40 ft	2.2 dB (NEXT)	12/22/2022 12:02:07 PM
111-1-A	PASS	TIA Cat 6A Channel	122 ft	6.5 dB (NEXT)	01/14/2023 12:45:12 PM
111-1-B	PASS	TIA Cat 6A Channel	123 ft	5.2 dB (NEXT)	01/14/2023 12:46:42 PM
111-2-A	PASS	TIA Cat 6A Channel	144 ft	6.7 dB (NEXT)	01/14/2023 12:59:35 PM
111-2-B	PASS	TIA Cat 6A Channel	144 ft	8.5 dB (NEXT)	01/14/2023 01:00:07 PM
111-3-A	PASS	TIA Cat 6A Channel	160 ft	2.7 dB (NEXT)	01/14/2023 01:42:09 PM
111-3-B	PASS	TIA Cat 6A Channel	160 ft	5.9 dB (NEXT)	01/14/2023 01:42:47 PM
111-4-A	PASS	TIA Cat 6A Channel	180 ft	3.4 dB (NEXT)	01/14/2023 02:01:29 PM
111-4-B	PASS	TIA Cat 6A Channel	180 ft	5.7 dB (NEXT)	01/14/2023 02:06:14 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
110-B	PASS	TIA Cat 6A Channel	115 ft	2.2 dB (NEXT)	11/22/2022 12:12:37 PM
110-B	PASS	TIA Cat 6A Channel	107 ft	3.4 dB (NEXT)	11/25/2022 05:11:35 PM
110-B	PASS	TIA Cat 6A Channel	288 ft	4.3 dB (NEXT)	11/27/2022 06:01:37 PM
111-A	PASS	TIA Cat 6A Channel	256 ft	4.8 dB (NEXT)	11/27/2022 06:05:37 PM
111-A	PASS	TIA Cat 6A Channel	141 ft	3.5 dB (NEXT)	12/17/2022 03:55:40 PM
111-B	PASS	TIA Cat 6A Channel	140 ft	4.7 dB (NEXT)	12/17/2022 03:55:59 PM
111-B	PASS	TIA Cat 6A Channel	186 ft	5.5 dB (NEXT)	12/19/2022 01:52:32 PM
111-B	PASS	TIA Cat 6A Channel	144 ft	4.3 dB (NEXT)	11/25/2022 02:24:06 PM
111-B	PASS	TIA Cat 6A Channel	215 ft	4.2 dB (NEXT)	11/27/2022 12:17:57 PM
112-1-A	PASS	TIA Cat 6A Channel	139 ft	3.1 dB (NEXT)	12/04/2022 11:38:25 AM
112-1-B	PASS	TIA Cat 6A Channel	138 ft	3.2 dB (NEXT)	12/04/2022 11:38:53 AM
112-2-A	PASS	TIA Cat 6A Channel	149 ft	3.9 dB (NEXT)	12/04/2022 11:37:16 AM
112-2-B	PASS	TIA Cat 6A Channel	150 ft	4.0 dB (NEXT)	12/04/2022 11:36:38 AM
111-B	PASS	TIA Cat 6A Channel	124 ft	2.5 dB (NEXT)	11/21/2022 04:43:22 PM
111-A	PASS	TIA Cat 6A Channel	93 ft	2.6 dB (NEXT)	11/22/2022 04:56:06 PM
111-B	PASS	TIA Cat 6A Channel	93 ft	3.0 dB (NEXT)	11/22/2022 04:56:55 PM
111-B	PASS	TIA Cat 6A Channel	39 ft	4.2 dB (NEXT)	12/22/2022 12:02:33 PM
112-1-A	PASS	TIA Cat 6A Channel	160 ft	4.4 dB (NEXT)	12/10/2022 07:21:19 PM
112-1-B	PASS	TIA Cat 6A Channel	160 ft	3.7 dB (NEXT)	12/10/2022 07:22:50 PM
112-2-A	PASS	TIA Cat 6A Channel	198 ft	4.2 dB (NEXT)	12/10/2022 07:17:08 PM
112-1-A	PASS	TIA Cat 6A Channel	177 ft	3.1 dB (NEXT)	11/25/2022 04:40:06 PM
112-1-B	PASS	TIA Cat 6A Channel	177 ft	3.5 dB (NEXT)	11/25/2022 04:40:41 PM
112-2-A	PASS	TIA Cat 6A Channel	144 ft	3.5 dB (NEXT)	11/25/2022 04:43:42 PM
111-B	PASS	TIA Cat 6A Channel	256 ft	3.6 dB (NEXT)	11/27/2022 06:06:13 PM
112-A	PASS	TIA Cat 6A Channel	242 ft	4.9 dB (NEXT)	12/19/2022 01:55:32 PM
112-B	PASS	TIA Cat 6A Channel	241 ft	5.5 dB (NEXT)	12/19/2022 01:55:54 PM
112-A	PASS	TIA Cat 6A Channel	123 ft	3.2 dB (NEXT)	11/25/2022 02:32:31 PM
112-B	PASS	TIA Cat 6A Channel	124 ft	2.2 dB (NEXT)	11/25/2022 02:37:07 PM
113-1-A	PASS	TIA Cat 6A Channel	125 ft	4.1 dB (NEXT)	12/03/2022 02:46:54 PM
113-1-B	PASS	TIA Cat 6A Channel	124 ft	4.4 dB (NEXT)	12/03/2022 02:47:35 PM
112-2-B	PASS	TIA Cat 6A Channel	150 ft	4.0 dB (NEXT)	12/04/2022 11:36:38 AM
112-A	PASS	TIA Cat 6A Channel	114 ft	3.1 dB (NEXT)	11/21/2022 02:24:21 PM
112-B	PASS	TIA Cat 6A Channel	115 ft	2.9 dB (NEXT)	11/21/2022 02:24:52 PM
112-A	PASS	TIA Cat 6A Channel	117 ft	4.8 dB (NEXT)	12/22/2022 12:21:53 PM
112-B	PASS	TIA Cat 6A Channel	117 ft	5.2 dB (NEXT)	12/22/2022 12:22:10 PM
112-A	PASS	TIA Cat 6A Channel	182 ft	4.1 dB (NEXT)	12/10/2022 04:03:50 PM
112-B	PASS	TIA Cat 6A Channel	182 ft	4.0 dB (NEXT)	12/10/2022 04:04:44 PM
112-A	PASS	TIA Cat 6A Channel	78 ft	2.1 dB (NEXT)	11/19/2022 05:24:54 PM
112-B	PASS	TIA Cat 6A Channel	78 ft	2.1 dB (NEXT)	11/19/2022 05:25:23 PM
112-2-B	PASS	TIA Cat 6A Channel	143 ft	3.7 dB (NEXT)	11/25/2022 04:45:15 PM
112-3-A	PASS	TIA Cat 6A Channel	219 ft	4.2 dB (NEXT)	11/25/2022 04:53:18 PM
112-3-B	PASS	TIA Cat 6A Channel	219 ft	4.0 dB (NEXT)	11/25/2022 04:53:40 PM
112-4-A	PASS	TIA Cat 6A Channel	184 ft	4.8 dB (NEXT)	11/25/2022 04:48:54 PM
112-4-B	PASS	TIA Cat 6A Channel	183 ft	2.4 dB (NEXT)	11/25/2022 04:49:28 PM
113-A	PASS	TIA Cat 6A Channel	254 ft	5.9 dB (NEXT)	12/19/2022 01:57:48 PM
113-A	PASS	TIA Cat 6A Channel	234 ft	2.7 dB (NEXT)	11/26/2022 02:40:09 PM
113-B	PASS	TIA Cat 6A Channel	233 ft	4.8 dB (NEXT)	11/26/2022 02:40:52 PM
113-2-A	PASS	TIA Cat 6A Channel	100 ft	3.7 dB (NEXT)	12/03/2022 02:41:00 PM
113-2-B	PASS	TIA Cat 6A Channel	101 ft	2.8 dB (NEXT)	12/03/2022 02:41:58 PM
113-3-A	PASS	TIA Cat 6A Channel	82 ft	1.2 dB (NEXT)	12/03/2022 02:36:34 PM
113-3-B	PASS	TIA Cat 6A Channel	94 ft	2.8 dB (NEXT)	12/03/2022 02:37:32 PM
113-4-A	PASS	TIA Cat 6A Channel	184 ft	3.2 dB (NEXT)	12/03/2022 02:54:17 PM
113-4-B	PASS	TIA Cat 6A Channel	184 ft	4.2 dB (NEXT)	12/03/2022 02:55:04 PM
113-5-A	PASS	TIA Cat 6A Channel	137 ft	4.4 dB (NEXT)	12/03/2022 03:08:56 PM
113-5-B	PASS	TIA Cat 6A Channel	137 ft	3.4 dB (NEXT)	12/03/2022 03:09:39 PM
113-6-A	PASS	TIA Cat 6A Channel	162 ft	4.3 dB (NEXT)	12/03/2022 03:03:43 PM
113-6-B	PASS	TIA Cat 6A Channel	163 ft	4.4 dB (NEXT)	12/03/2022 03:05:09 PM
113-A	PASS	TIA Cat 6A Channel	127 ft	2.2 dB (NEXT)	11/22/2022 04:59:15 PM
113-A	PASS	TIA Cat 6A Channel	118 ft	4.1 dB (NEXT)	11/21/2022 01:10:09 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
113-A	PASS	TIA Cat 6A Channel	115 ft	6.2 dB (NEXT)	12/22/2022 12:19:52 PM
113-A	PASS	TIA Cat 6A Channel	193 ft	5.3 dB (NEXT)	12/10/2022 04:02:04 PM
113-B	PASS	TIA Cat 6A Channel	186 ft	4.4 dB (NEXT)	12/10/2022 04:02:45 PM
113-A	PASS	TIA Cat 6A Channel	178 ft	4.7 dB (NEXT)	11/22/2022 12:15:03 PM
113-B	PASS	TIA Cat 6A Channel	178 ft	4.6 dB (NEXT)	11/22/2022 12:15:39 PM
113-B	PASS	TIA Cat 6A Channel	255 ft	6.6 dB (NEXT)	12/19/2022 01:58:09 PM
114-A	PASS	TIA Cat 6A Channel	279 ft	5.5 dB (NEXT)	12/19/2022 02:01:11 PM
114-B	PASS	TIA Cat 6A Channel	279 ft	5.7 dB (NEXT)	12/19/2022 02:01:32 PM
114-A	PASS	TIA Cat 6A Channel	272 ft	4.1 dB (NEXT)	11/26/2022 03:29:09 PM
114-A	PASS	TIA Cat 6A Channel	252 ft	3.9 dB (NEXT)	11/27/2022 12:18:38 PM
114-B	PASS	TIA Cat 6A Channel	252 ft	2.5 dB (NEXT)	11/27/2022 12:24:30 PM
114-1-A	PASS	TIA Cat 6A Channel	121 ft	3.3 dB (NEXT)	11/21/2022 04:35:02 PM
114-1-B	PASS	TIA Cat 6A Channel	122 ft	3.0 dB (NEXT)	11/21/2022 04:36:27 PM
114-2-A	PASS	TIA Cat 6A Channel	139 ft	3.4 dB (NEXT)	11/21/2022 04:38:39 PM
114-2-B	PASS	TIA Cat 6A Channel	139 ft	2.3 dB (NEXT)	11/21/2022 04:39:22 PM
113-B	PASS	TIA Cat 6A Channel	129 ft	4.8 dB (NEXT)	11/22/2022 04:59:42 PM
114-A	PASS	TIA Cat 6A Channel	146 ft	3.4 dB (NEXT)	11/22/2022 05:03:20 PM
113-B	PASS	TIA Cat 6A Channel	118 ft	4.6 dB (NEXT)	11/21/2022 01:31:20 PM
114-A	PASS	TIA Cat 6A Channel	94 ft	5.1 dB (NEXT)	12/22/2022 12:18:27 PM
114-B	PASS	TIA Cat 6A Channel	94 ft	5.7 dB (NEXT)	12/22/2022 12:18:46 PM
113-B	PASS	TIA Cat 6A Channel	186 ft	4.4 dB (NEXT)	12/10/2022 04:02:45 PM
114-A	PASS	TIA Cat 6A Channel	125 ft	4.4 dB (NEXT)	12/10/2022 03:40:49 PM
114-B	PASS	TIA Cat 6A Channel	125 ft	5.0 dB (NEXT)	12/10/2022 03:45:08 PM
114-A	PASS	TIA Cat 6A Channel	128 ft	4.2 dB (NEXT)	11/22/2022 12:20:14 PM
114-A	PASS	TIA Cat 6A Channel	149 ft	3.9 dB (NEXT)	11/19/2022 05:17:17 PM
114-B	PASS	TIA Cat 6A Channel	279 ft	5.7 dB (NEXT)	12/19/2022 02:01:32 PM
114-B	PASS	TIA Cat 6A Channel	272 ft	3.0 dB (NEXT)	11/26/2022 03:31:51 PM
115-A	PASS	TIA Cat 6A Channel	202 ft	4.2 dB (NEXT)	11/26/2022 04:44:30 PM
115-B	PASS	TIA Cat 6A Channel	202 ft	2.2 dB (NEXT)	11/26/2022 03:11:44 PM
116-1-A	PASS	TIA Cat 6A Channel	148 ft	4.6 dB (NEXT)	12/03/2022 01:37:41 PM
116-1-B	PASS	TIA Cat 6A Channel	148 ft	4.2 dB (NEXT)	12/03/2022 01:40:26 PM
115-A	PASS	TIA Cat 6A Channel	285 ft	3.8 dB (NEXT)	11/27/2022 12:27:36 PM
115-B	PASS	TIA Cat 6A Channel	285 ft	3.6 dB (NEXT)	11/27/2022 12:30:24 PM
115-1-A	PASS	TIA Cat 6A Channel	111 ft	2.8 dB (NEXT)	12/03/2022 07:13:12 PM
115-1-B	PASS	TIA Cat 6A Channel	111 ft	3.4 dB (NEXT)	12/03/2022 07:14:12 PM
115-2-A	PASS	TIA Cat 6A Channel	116 ft	3.3 dB (NEXT)	12/03/2022 07:23:33 PM
115-2-B	PASS	TIA Cat 6A Channel	116 ft	3.8 dB (NEXT)	12/03/2022 07:25:05 PM
115-3-A	PASS	TIA Cat 6A Channel	74 ft	2.3 dB (NEXT)	12/03/2022 07:37:36 PM
115-3-B	PASS	TIA Cat 6A Channel	74 ft	2.4 dB (NEXT)	12/03/2022 07:36:52 PM
114-B	PASS	TIA Cat 6A Channel	146 ft	2.9 dB (NEXT)	11/22/2022 05:04:01 PM
115-A	PASS	TIA Cat 6A Channel	181 ft	3.3 dB (NEXT)	11/21/2022 01:55:10 PM
115-B	PASS	TIA Cat 6A Channel	180 ft	1.6 dB (NEXT)	11/21/2022 01:55:47 PM
115-A	PASS	TIA Cat 6A Channel	218 ft	3.4 dB (NEXT)	12/10/2022 03:58:24 PM
115-B	PASS	TIA Cat 6A Channel	218 ft	4.7 dB (NEXT)	12/10/2022 03:59:31 PM
114-B	PASS	TIA Cat 6A Channel	127 ft	4.4 dB (NEXT)	11/22/2022 12:20:50 PM
116-A	PASS	TIA Cat 6A Channel	95 ft	2.6 dB (NEXT)	11/26/2022 06:13:43 PM
116-B	PASS	TIA Cat 6A Channel	95 ft	3.3 dB (NEXT)	11/26/2022 06:14:25 PM
116-A	PASS	TIA Cat 6A Channel	281 ft	3.5 dB (NEXT)	11/26/2022 03:04:06 PM
116-B	PASS	TIA Cat 6A Channel	279 ft	3.7 dB (NEXT)	11/26/2022 03:04:41 PM
116-2-A	PASS	TIA Cat 6A Channel	173 ft	3.3 dB (NEXT)	12/03/2022 01:47:39 PM
116-2-B	PASS	TIA Cat 6A Channel	174 ft	5.0 dB (NEXT)	12/03/2022 01:49:37 PM
117-1-A	PASS	TIA Cat 6A Channel	186 ft	5.1 dB (NEXT)	12/03/2022 01:59:45 PM
117-1-B	PASS	TIA Cat 6A Channel	186 ft	3.0 dB (NEXT)	12/03/2022 02:00:47 PM
117-2-A	PASS	TIA Cat 6A Channel	182 ft	3.2 dB (NEXT)	12/03/2022 02:22:46 PM
117-2-B	PASS	TIA Cat 6A Channel	182 ft	3.9 dB (NEXT)	12/03/2022 02:23:36 PM
117-3-A	PASS	TIA Cat 6A Channel	214 ft	3.5 dB (NEXT)	12/03/2022 02:06:37 PM
117-3-B	PASS	TIA Cat 6A Channel	215 ft	3.5 dB (NEXT)	12/03/2022 02:07:23 PM
116-A	PASS	TIA Cat 6A Channel	270 ft	4.4 dB (NEXT)	12/10/2022 01:25:04 PM
116-B	PASS	TIA Cat 6A Channel	272 ft	5.0 dB (NEXT)	12/10/2022 01:25:29 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
116-A	PASS	TIA Cat 6A Channel	180 ft	4.9 dB (NEXT)	12/10/2022 03:52:19 PM
116-B	PASS	TIA Cat 6A Channel	180 ft	3.9 dB (NEXT)	12/10/2022 03:53:20 PM
116-A	PASS	TIA Cat 6A Channel	119 ft	2.6 dB (NEXT)	11/23/2022 12:46:41 PM
116-B	PASS	TIA Cat 6A Channel	117 ft	2.9 dB (NEXT)	11/23/2022 12:47:26 PM
116-A	PASS	TIA Cat 6A Channel	96 ft	2.1 dB (NEXT)	11/22/2022 12:39:37 PM
116-B	PASS	TIA Cat 6A Channel	85 ft	3.4 dB (NEXT)	11/22/2022 12:40:08 PM
117-A	PASS	TIA Cat 6A Channel	126 ft	4.1 dB (NEXT)	11/26/2022 06:20:54 PM
117-B	PASS	TIA Cat 6A Channel	126 ft	4.5 dB (NEXT)	11/26/2022 06:21:21 PM
117-A	PASS	TIA Cat 6A Channel	274 ft	6.0 dB (NEXT)	12/19/2022 02:03:30 PM
117-B	PASS	TIA Cat 6A Channel	274 ft	6.2 dB (NEXT)	12/19/2022 02:03:48 PM
118-A	PASS	TIA Cat 6A Channel	241 ft	4.2 dB (NEXT)	12/19/2022 02:05:50 PM
117-A	PASS	TIA Cat 6A Channel	42 ft	1.9 dB (NEXT)	11/25/2022 06:42:08 PM
117-B	PASS	TIA Cat 6A Channel	42 ft	1.4 dB (NEXT)	11/25/2022 06:43:49 PM
117-A	PASS	TIA Cat 6A Channel	162 ft	3.0 dB (NEXT)	11/26/2022 03:17:31 PM
117-B	PASS	TIA Cat 6A Channel	162 ft	3.0 dB (NEXT)	11/26/2022 03:17:59 PM
118-A	PASS	TIA Cat 6A Channel	121 ft	4.3 dB (NEXT)	11/26/2022 03:19:06 PM
117-4-A	PASS	TIA Cat 6A Channel	201 ft	5.1 dB (NEXT)	12/03/2022 02:14:18 PM
117-4-B	PASS	TIA Cat 6A Channel	200 ft	5.1 dB (NEXT)	12/03/2022 02:14:59 PM
117-A	PASS	TIA Cat 6A Channel	293 ft	4.0 dB (NEXT)	12/11/2022 12:17:07 PM
117-B	PASS	TIA Cat 6A Channel	291 ft	4.0 dB (NEXT)	12/11/2022 12:17:26 PM
118-1-A	PASS	TIA Cat 6A Channel	74 ft	1.4 dB (NEXT)	11/21/2022 04:20:52 PM
118-1-B	PASS	TIA Cat 6A Channel	74 ft	1.7 dB (NEXT)	11/21/2022 04:21:51 PM
118-2-A	PASS	TIA Cat 6A Channel	94 ft	2.6 dB (NEXT)	11/21/2022 04:24:51 PM
118-2-B	PASS	TIA Cat 6A Channel	94 ft	2.4 dB (NEXT)	11/21/2022 04:25:26 PM
117-A	PASS	TIA Cat 6A Channel	97 ft	2.5 dB (NEXT)	11/19/2022 05:28:02 PM
117-B	PASS	TIA Cat 6A Channel	98 ft	3.5 dB (NEXT)	11/19/2022 05:28:22 PM
118-A	PASS	TIA Cat 6A Channel	161 ft	2.3 dB (NEXT)	11/26/2022 06:33:11 PM
118-B	PASS	TIA Cat 6A Channel	160 ft	4.2 dB (NEXT)	11/26/2022 06:34:28 PM
119-1-A	PASS	TIA Cat 6A Channel	103 ft	4.0 dB (NEXT)	12/17/2022 05:05:00 PM
119-1-B	PASS	TIA Cat 6A Channel	104 ft	3.7 dB (NEXT)	12/17/2022 05:05:40 PM
119-2-A	PASS	TIA Cat 6A Channel	116 ft	4.8 dB (NEXT)	12/17/2022 04:49:07 PM
119-2-B	PASS	TIA Cat 6A Channel	117 ft	4.6 dB (NEXT)	12/17/2022 04:49:28 PM
119-3-A	PASS	TIA Cat 6A Channel	136 ft	2.8 dB (NEXT)	12/17/2022 04:35:27 PM
118-A	PASS	TIA Cat 6A Channel	241 ft	4.2 dB (NEXT)	12/19/2022 02:05:50 PM
118-B	PASS	TIA Cat 6A Channel	240 ft	5.3 dB (NEXT)	12/19/2022 02:06:10 PM
118-B	PASS	TIA Cat 6A Channel	120 ft	4.0 dB (NEXT)	11/26/2022 03:20:08 PM
118-A	PASS	TIA Cat 6A Channel	250 ft	4.0 dB (NEXT)	12/11/2022 12:21:02 PM
118-B	PASS	TIA Cat 6A Channel	250 ft	4.4 dB (NEXT)	12/11/2022 12:24:00 PM
118-B	PASS	TIA Cat 6A Channel	109 ft	3.9 dB (NEXT)	11/22/2022 12:44:55 PM
118-A	PASS	TIA Cat 6A Channel	104 ft	3.1 dB (NEXT)	11/19/2022 05:31:20 PM
118-B	PASS	TIA Cat 6A Channel	104 ft	4.5 dB (NEXT)	11/19/2022 05:31:41 PM
119-1-A	PASS	TIA Cat 6A Channel	293 ft	2.7 dB (NEXT)	11/25/2022 03:49:40 PM
119-1-B	PASS	TIA Cat 6A Channel	295 ft	3.0 dB (NEXT)	11/25/2022 03:51:06 PM
119-2-A	PASS	TIA Cat 6A Channel	224 ft	3.4 dB (NEXT)	11/25/2022 04:15:22 PM
119-2-B	PASS	TIA Cat 6A Channel	225 ft	2.9 dB (NEXT)	11/25/2022 04:16:06 PM
119-3-A	PASS	TIA Cat 6A Channel	293 ft	3.5 dB (NEXT)	11/25/2022 04:08:46 PM
119-A	PASS	TIA Cat 6A Channel	157 ft	4.4 dB (NEXT)	11/26/2022 06:39:43 PM
119-B	PASS	TIA Cat 6A Channel	156 ft	3.3 dB (NEXT)	11/26/2022 06:40:41 PM
119-3-B	PASS	TIA Cat 6A Channel	135 ft	3.6 dB (NEXT)	12/17/2022 04:38:05 PM
120-1-A	PASS	TIA Cat 6A Channel	186 ft	5.1 dB (NEXT)	12/17/2022 05:11:53 PM
120-1-B	PASS	TIA Cat 6A Channel	186 ft	4.6 dB (NEXT)	12/17/2022 05:13:58 PM
119-A	PASS	TIA Cat 6A Channel	212 ft	2.6 dB (NEXT)	12/19/2022 02:10:17 PM
119-B	PASS	TIA Cat 6A Channel	211 ft	6.2 dB (NEXT)	12/19/2022 02:12:25 PM
120-1-A	PASS	TIA Cat 6A Channel	182 ft	2.5 dB (NEXT)	11/26/2022 01:05:07 PM
120-1-B	PASS	TIA Cat 6A Channel	184 ft	4.0 dB (NEXT)	11/26/2022 01:06:15 PM
119-A	PASS	TIA Cat 6A Channel	155 ft	2.6 dB (NEXT)	12/04/2022 03:51:31 PM
119-B	PASS	TIA Cat 6A Channel	155 ft	2.5 dB (NEXT)	12/04/2022 03:52:38 PM
11-A	PASS	TIA Cat 6A Channel	85 ft	4.1 dB (NEXT)	12/18/2022 02:13:03 PM
11-B	PASS	TIA Cat 6A Channel	85 ft	3.4 dB (NEXT)	12/18/2022 02:14:36 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
119-A	PASS	TIA Cat 6A Channel	165 ft	4.3 dB (NEXT)	12/10/2022 03:49:09 PM
119-B	PASS	TIA Cat 6A Channel	165 ft	4.3 dB (NEXT)	12/10/2022 03:50:45 PM
119-A	PASS	TIA Cat 6A Channel	88 ft	1.7 dB (NEXT)	11/22/2022 12:46:57 PM
119-B	PASS	TIA Cat 6A Channel	88 ft	3.3 dB (NEXT)	11/22/2022 12:47:30 PM
119-3-B	PASS	TIA Cat 6A Channel	295 ft	2.6 dB (NEXT)	11/25/2022 04:11:20 PM
119-4-A	PASS	TIA Cat 6A Channel	264 ft	4.3 dB (NEXT)	11/25/2022 04:18:47 PM
119-4-B	PASS	TIA Cat 6A Channel	263 ft	2.4 dB (NEXT)	11/25/2022 04:19:34 PM
120-A	PASS	TIA Cat 6A Channel	125 ft	3.8 dB (NEXT)	11/26/2022 06:17:08 PM
120-B	PASS	TIA Cat 6A Channel	125 ft	3.6 dB (NEXT)	11/26/2022 06:17:29 PM
121-A	PASS	TIA Cat 6A Channel	50 ft	2.4 dB (NEXT)	11/26/2022 06:09:36 PM
120-2-A	PASS	TIA Cat 6A Channel	166 ft	4.6 dB (NEXT)	12/17/2022 04:09:28 PM
120-2-B	PASS	TIA Cat 6A Channel	168 ft	3.3 dB (NEXT)	12/17/2022 04:10:35 PM
120-A	PASS	TIA Cat 6A Channel	182 ft	6.1 dB (NEXT)	12/19/2022 02:14:32 PM
120-B	PASS	TIA Cat 6A Channel	182 ft	5.9 dB (NEXT)	12/19/2022 02:14:53 PM
121-A	PASS	TIA Cat 6A Channel	153 ft	5.9 dB (NEXT)	12/19/2022 02:16:32 PM
120-2-A	PASS	TIA Cat 6A Channel	198 ft	3.5 dB (NEXT)	11/26/2022 01:09:19 PM
120-2-B	PASS	TIA Cat 6A Channel	197 ft	3.8 dB (NEXT)	11/26/2022 01:10:07 PM
120-A	PASS	TIA Cat 6A Channel	178 ft	4.0 dB (NEXT)	12/03/2022 01:13:35 PM
120-B	PASS	TIA Cat 6A Channel	178 ft	4.8 dB (NEXT)	12/03/2022 01:20:45 PM
120-A	PASS	TIA Cat 6A Channel	148 ft	3.8 dB (NEXT)	12/10/2022 02:40:03 PM
120-B	PASS	TIA Cat 6A Channel	147 ft	4.4 dB (NEXT)	12/10/2022 03:29:03 PM
120-A	PASS	TIA Cat 6A Channel	144 ft	3.6 dB (NEXT)	11/22/2022 01:15:26 PM
120-B	PASS	TIA Cat 6A Channel	144 ft	4.7 dB (NEXT)	11/22/2022 01:17:04 PM
121-1-A	PASS	TIA Cat 6A Channel	156 ft	3.9 dB (NEXT)	12/17/2022 01:07:31 PM
121-1-B	PASS	TIA Cat 6A Channel	155 ft	1.8 dB (NEXT)	12/17/2022 01:09:33 PM
121-2-A	PASS	TIA Cat 6A Channel	134 ft	4.1 dB (NEXT)	12/17/2022 01:06:44 PM
121-2-B	PASS	TIA Cat 6A Channel	134 ft	3.7 dB (NEXT)	12/17/2022 01:07:02 PM
121-B	PASS	TIA Cat 6A Channel	50 ft	1.8 dB (NEXT)	11/26/2022 06:11:06 PM
121-A	PASS	TIA Cat 6A Channel	153 ft	5.9 dB (NEXT)	12/19/2022 02:16:32 PM
121-B	PASS	TIA Cat 6A Channel	153 ft	6.0 dB (NEXT)	12/19/2022 02:18:33 PM
121-B	PASS	TIA Cat 6A Channel	105 ft	3.2 dB (NEXT)	11/25/2022 06:40:15 PM
122-A	PASS	TIA Cat 6A Channel	131 ft	3.7 dB (NEXT)	11/25/2022 06:33:09 PM
121-A	PASS	TIA Cat 6A Channel	182 ft	2.4 dB (NEXT)	12/04/2022 03:58:38 PM
121-B	PASS	TIA Cat 6A Channel	182 ft	2.2 dB (NEXT)	12/04/2022 03:59:07 PM
122-A	PASS	TIA Cat 6A Channel	277 ft	3.5 dB (NEXT)	11/27/2022 01:14:40 PM
121-A	PASS	TIA Cat 6A Channel	178 ft	5.4 dB (NEXT)	11/22/2022 05:07:09 PM
121-B	PASS	TIA Cat 6A Channel	198 ft	5.2 dB (NEXT)	11/22/2022 05:13:29 PM
121-A	PASS	TIA Cat 6A Channel	193 ft	2.8 dB (NEXT)	11/21/2022 01:52:22 PM
121-B	PASS	TIA Cat 6A Channel	192 ft	2.9 dB (NEXT)	11/21/2022 01:52:51 PM
121-A	PASS	TIA Cat 6A Channel	152 ft	5.1 dB (NEXT)	12/10/2022 02:31:25 PM
121-B	PASS	TIA Cat 6A Channel	153 ft	2.8 dB (NEXT)	12/10/2022 02:34:31 PM
121-A	PASS	TIA Cat 6A Channel	197 ft	4.0 dB (NEXT)	11/22/2022 01:23:14 PM
121-B	PASS	TIA Cat 6A Channel	197 ft	3.4 dB (NEXT)	11/22/2022 01:24:38 PM
121-A	PASS	TIA Cat 6A Channel	164 ft	4.2 dB (NEXT)	11/19/2022 05:36:00 PM
121-B	PASS	TIA Cat 6A Channel	165 ft	4.4 dB (NEXT)	11/19/2022 05:36:22 PM
121C-A	PASS	TIA Cat 6A Channel	186 ft	5.0 dB (NEXT)	12/17/2022 01:14:40 PM
121C-B	PASS	TIA Cat 6A Channel	187 ft	4.1 dB (NEXT)	12/17/2022 01:17:07 PM
122-A	PASS	TIA Cat 6A Channel	123 ft	4.4 dB (NEXT)	12/19/2022 02:19:44 PM
122-B	PASS	TIA Cat 6A Channel	123 ft	5.5 dB (NEXT)	12/19/2022 02:21:17 PM
122-B	PASS	TIA Cat 6A Channel	134 ft	1.9 dB (NEXT)	11/25/2022 06:34:25 PM
122-B	PASS	TIA Cat 6A Channel	207 ft	3.1 dB (NEXT)	12/04/2022 04:06:05 PM
122-A	PASS	TIA Cat 6A Channel	277 ft	3.5 dB (NEXT)	11/27/2022 01:14:40 PM
122-B	PASS	TIA Cat 6A Channel	279 ft	3.1 dB (NEXT)	11/27/2022 01:15:47 PM
123-1-A	PASS	TIA Cat 6A Channel	69 ft	2.3 dB (NEXT)	11/21/2022 03:59:26 PM
123-1-B	PASS	TIA Cat 6A Channel	69 ft	2.2 dB (NEXT)	11/21/2022 04:05:46 PM
123-2-A	PASS	TIA Cat 6A Channel	81 ft	1.7 dB (NEXT)	11/21/2022 04:09:00 PM
123-2-B	PASS	TIA Cat 6A Channel	75 ft	2.4 dB (NEXT)	11/21/2022 04:09:41 PM
123-3-A	PASS	TIA Cat 6A Channel	111 ft	2.9 dB (NEXT)	11/21/2022 04:12:28 PM
123-3-B	PASS	TIA Cat 6A Channel	111 ft	3.6 dB (NEXT)	11/21/2022 04:13:08 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
122-A	PASS	TIA Cat 6A Channel	202 ft	3.3 dB (NEXT)	11/21/2022 01:49:44 PM
122-B	PASS	TIA Cat 6A Channel	202 ft	3.3 dB (NEXT)	11/21/2022 01:50:19 PM
122-A	PASS	TIA Cat 6A Channel	99 ft	3.7 dB (NEXT)	12/10/2022 02:29:09 PM
122-B	PASS	TIA Cat 6A Channel	98 ft	5.2 dB (NEXT)	12/10/2022 02:30:02 PM
122-A	PASS	TIA Cat 6A Channel	170 ft	4.6 dB (NEXT)	11/22/2022 01:27:37 PM
122-B	PASS	TIA Cat 6A Channel	168 ft	4.7 dB (NEXT)	11/22/2022 01:28:40 PM
122-A	PASS	TIA Cat 6A Channel	141 ft	4.5 dB (NEXT)	11/19/2022 05:38:57 PM
122-B	PASS	TIA Cat 6A Channel	139 ft	3.6 dB (NEXT)	11/19/2022 05:39:15 PM
123-A	PASS	TIA Cat 6A Channel	132 ft	4.6 dB (NEXT)	11/19/2022 03:56:35 PM
123-B	PASS	TIA Cat 6A Channel	132 ft	5.8 dB (NEXT)	11/19/2022 03:56:55 PM
123-A	PASS	TIA Cat 6A Channel	90 ft	3.6 dB (NEXT)	12/19/2022 02:22:20 PM
123-B	PASS	TIA Cat 6A Channel	90 ft	4.1 dB (NEXT)	12/19/2022 02:24:39 PM
123-A	PASS	TIA Cat 6A Channel	164 ft	3.9 dB (NEXT)	11/25/2022 06:27:01 PM
123-B	PASS	TIA Cat 6A Channel	166 ft	2.8 dB (NEXT)	11/25/2022 06:26:07 PM
124-A	PASS	TIA Cat 6A Channel	221 ft	3.9 dB (NEXT)	11/25/2022 06:16:49 PM
123-A	PASS	TIA Cat 6A Channel	247 ft	4.0 dB (NEXT)	12/04/2022 04:08:42 PM
123-B	PASS	TIA Cat 6A Channel	250 ft	3.4 dB (NEXT)	12/04/2022 04:11:05 PM
124-A	PASS	TIA Cat 6A Channel	292 ft	3.7 dB (NEXT)	12/04/2022 04:21:08 PM
123-A	PASS	TIA Cat 6A Channel	252 ft	5.0 dB (NEXT)	11/27/2022 01:31:43 PM
123-B	PASS	TIA Cat 6A Channel	254 ft	2.5 dB (NEXT)	11/27/2022 01:28:05 PM
124-A	PASS	TIA Cat 6A Channel	217 ft	3.9 dB (NEXT)	11/27/2022 01:32:50 PM
124-A	PASS	TIA Cat 6A Channel	197 ft	4.0 dB (NEXT)	11/22/2022 05:16:32 PM
123-A	PASS	TIA Cat 6A Channel	173 ft	2.8 dB (NEXT)	11/21/2022 01:45:23 PM
123-B	PASS	TIA Cat 6A Channel	173 ft	3.2 dB (NEXT)	11/21/2022 01:46:48 PM
123-A	PASS	TIA Cat 6A Channel	164 ft	3.9 dB (NEXT)	11/22/2022 01:34:41 PM
123-B	PASS	TIA Cat 6A Channel	164 ft	5.0 dB (NEXT)	11/22/2022 01:35:26 PM
123-A	PASS	TIA Cat 6A Channel	139 ft	4.8 dB (NEXT)	11/19/2022 05:41:30 PM
123-B	PASS	TIA Cat 6A Channel	137 ft	5.0 dB (NEXT)	11/19/2022 05:41:54 PM
124-B	PASS	TIA Cat 6A Channel	222 ft	4.7 dB (NEXT)	11/25/2022 06:17:12 PM
125-A	PASS	TIA Cat 6A Channel	207 ft	4.2 dB (NEXT)	11/25/2022 06:09:10 PM
125-B	PASS	TIA Cat 6A Channel	208 ft	5.0 dB (NEXT)	11/25/2022 06:09:44 PM
124-B	PASS	TIA Cat 6A Channel	290 ft	3.2 dB (NEXT)	12/04/2022 04:22:20 PM
125-A	PASS	TIA Cat 6A Channel	279 ft	1.5 dB (NEXT)	12/04/2022 04:28:06 PM
125-B	PASS	TIA Cat 6A Channel	279 ft	2.6 dB (NEXT)	12/04/2022 04:29:05 PM
126-A	PASS	TIA Cat 6A Channel	243 ft	6.1 dB (NEXT)	12/04/2022 05:22:43 PM
124-B	PASS	TIA Cat 6A Channel	218 ft	4.9 dB (NEXT)	11/27/2022 01:35:30 PM
125-A	PASS	TIA Cat 6A Channel	81 ft	1.2 dB (NEXT)	11/23/2022 05:06:06 PM
125-B	PASS	TIA Cat 6A Channel	86 ft	2.3 dB (NEXT)	11/23/2022 05:06:36 PM
125-A	PASS	TIA Cat 6A Channel	157 ft	2.6 dB (NEXT)	11/21/2022 05:53:10 PM
125-B	PASS	TIA Cat 6A Channel	157 ft	2.7 dB (NEXT)	11/21/2022 05:56:35 PM
124-B	PASS	TIA Cat 6A Channel	197 ft	4.3 dB (NEXT)	11/22/2022 05:17:05 PM
126-A	PASS	TIA Cat 6A Channel	129 ft	5.2 dB (NEXT)	11/22/2022 05:21:21 PM
125-A	PASS	TIA Cat 6A Channel	128 ft	1.8 dB (NEXT)	11/21/2022 01:40:15 PM
125-B	PASS	TIA Cat 6A Channel	127 ft	3.8 dB (NEXT)	11/21/2022 01:40:45 PM
126-1-A	PASS	TIA Cat 6A Channel	100 ft	3.7 dB (NEXT)	12/17/2022 12:58:41 PM
126-1-B	PASS	TIA Cat 6A Channel	99 ft	3.4 dB (NEXT)	12/17/2022 12:58:58 PM
126-2-A	PASS	TIA Cat 6A Channel	93 ft	3.6 dB (NEXT)	12/17/2022 12:54:45 PM
126-2-B	PASS	TIA Cat 6A Channel	92 ft	3.7 dB (NEXT)	12/17/2022 12:55:04 PM
128-1-A	PASS	TIA Cat 6A Channel	125 ft	5.2 dB (NEXT)	12/19/2022 02:32:09 PM
128-1-B	PASS	TIA Cat 6A Channel	125 ft	5.5 dB (NEXT)	12/19/2022 02:32:30 PM
126-A	PASS	TIA Cat 6A Channel	172 ft	4.5 dB (NEXT)	11/25/2022 06:13:36 PM
126-B	PASS	TIA Cat 6A Channel	172 ft	3.6 dB (NEXT)	11/25/2022 06:13:58 PM
127-A	PASS	TIA Cat 6A Channel	141 ft	3.8 dB (NEXT)	11/25/2022 06:19:27 PM
127-B	PASS	TIA Cat 6A Channel	139 ft	3.8 dB (NEXT)	11/25/2022 06:19:52 PM
126-B	PASS	TIA Cat 6A Channel	243 ft	5.6 dB (NEXT)	12/04/2022 05:24:34 PM
127-1-A	PASS	TIA Cat 6A Channel	97 ft	3.3 dB (NEXT)	11/27/2022 12:36:40 PM
127-1-B	PASS	TIA Cat 6A Channel	97 ft	4.1 dB (NEXT)	11/27/2022 12:34:14 PM
127-2-A	PASS	TIA Cat 6A Channel	119 ft	3.6 dB (NEXT)	11/27/2022 12:37:16 PM
127-2-B	PASS	TIA Cat 6A Channel	120 ft	5.0 dB (NEXT)	11/27/2022 12:38:09 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
126-A	PASS	TIA Cat 6A Channel	85 ft	2.7 dB (NEXT)	12/03/2022 06:51:50 PM
126-B	PASS	TIA Cat 6A Channel	85 ft	3.1 dB (NEXT)	12/03/2022 06:56:04 PM
127-A	PASS	TIA Cat 6A Channel	87 ft	2.9 dB (NEXT)	12/03/2022 06:36:06 PM
127-B	PASS	TIA Cat 6A Channel	87 ft	1.4 dB (NEXT)	12/03/2022 06:40:53 PM
126-B	PASS	TIA Cat 6A Channel	129 ft	4.1 dB (NEXT)	11/22/2022 05:22:46 PM
127-1-A	PASS	TIA Cat 6A Channel	137 ft	4.2 dB (NEXT)	11/22/2022 01:46:44 PM
127-1-B	PASS	TIA Cat 6A Channel	154 ft	4.5 dB (NEXT)	11/22/2022 01:47:25 PM
127-2-A	PASS	TIA Cat 6A Channel	187 ft	5.1 dB (NEXT)	11/22/2022 01:50:17 PM
127-2-B	PASS	TIA Cat 6A Channel	186 ft	2.5 dB (NEXT)	11/22/2022 01:51:30 PM
128-2-A	PASS	TIA Cat 6A Channel	146 ft	5.5 dB (NEXT)	12/19/2022 02:29:06 PM
128-2-B	PASS	TIA Cat 6A Channel	146 ft	3.9 dB (NEXT)	12/19/2022 02:29:29 PM
128-A	PASS	TIA Cat 6A Channel	123 ft	3.0 dB (NEXT)	11/25/2022 06:29:47 PM
128-B	PASS	TIA Cat 6A Channel	121 ft	2.5 dB (NEXT)	11/25/2022 06:31:50 PM
129-A	PASS	TIA Cat 6A Channel	85 ft	2.6 dB (NEXT)	11/25/2022 06:36:32 PM
128-A	PASS	TIA Cat 6A Channel	200 ft	3.3 dB (NEXT)	12/04/2022 05:29:53 PM
128-B	PASS	TIA Cat 6A Channel	198 ft	4.0 dB (NEXT)	12/04/2022 05:30:18 PM
128-A	PASS	TIA Cat 6A Channel	148 ft	4.0 dB (NEXT)	11/27/2022 01:36:46 PM
128-B	PASS	TIA Cat 6A Channel	149 ft	2.8 dB (NEXT)	11/27/2022 01:57:31 PM
128-A	PASS	TIA Cat 6A Channel	138 ft	4.1 dB (NEXT)	12/03/2022 06:43:31 PM
128-B	PASS	TIA Cat 6A Channel	137 ft	3.5 dB (NEXT)	12/03/2022 06:50:19 PM
128-A	PASS	TIA Cat 6A Channel	319 ft	3.3 dB (NEXT)	12/17/2022 05:37:54 PM
128-B	PASS	TIA Cat 6A Channel	319 ft	3.4 dB (NEXT)	12/17/2022 05:38:35 PM
129-A	PASS	TIA Cat 6A Channel	287 ft	4.0 dB (NEXT)	12/17/2022 05:43:22 PM
129-A	PASS	TIA Cat 6A Channel	260 ft	4.2 dB (NEXT)	11/23/2022 04:17:37 PM
128-A	PASS	TIA Cat 6A Channel	202 ft	4.3 dB (NEXT)	11/22/2022 02:04:39 PM
128-B	PASS	TIA Cat 6A Channel	202 ft	2.7 dB (NEXT)	11/22/2022 02:05:45 PM
128-A	PASS	TIA Cat 6A Channel	202 ft	3.8 dB (NEXT)	11/19/2022 05:44:25 PM
128-B	PASS	TIA Cat 6A Channel	202 ft	4.0 dB (NEXT)	11/19/2022 05:44:53 PM
129-A	PASS	TIA Cat 6A Channel	205 ft	3.0 dB (NEXT)	11/19/2022 05:47:23 PM
129-B	PASS	TIA Cat 6A Channel	85 ft	2.6 dB (NEXT)	11/25/2022 06:37:04 PM
129-A	PASS	TIA Cat 6A Channel	175 ft	3.1 dB (NEXT)	12/11/2022 12:38:51 PM
129-B	PASS	TIA Cat 6A Channel	174 ft	3.7 dB (NEXT)	12/11/2022 12:39:40 PM
130-A	PASS	TIA Cat 6A Channel	198 ft	3.8 dB (NEXT)	12/11/2022 12:42:42 PM
130-B	PASS	TIA Cat 6A Channel	197 ft	3.8 dB (NEXT)	12/11/2022 12:43:04 PM
129-A	PASS	TIA Cat 6A Channel	121 ft	2.8 dB (NEXT)	12/03/2022 06:06:51 PM
129-B	PASS	TIA Cat 6A Channel	121 ft	3.8 dB (NEXT)	12/03/2022 06:08:14 PM
129-B	PASS	TIA Cat 6A Channel	286 ft	4.3 dB (NEXT)	12/17/2022 05:44:03 PM
130-A	PASS	TIA Cat 6A Channel	253 ft	4.3 dB (NEXT)	12/17/2022 05:46:45 PM
130-B	PASS	TIA Cat 6A Channel	252 ft	5.2 dB (NEXT)	12/17/2022 05:47:03 PM
130-A	PASS	TIA Cat 6A Channel	135 ft	4.1 dB (NEXT)	12/10/2022 02:26:03 PM
130-B	PASS	TIA Cat 6A Channel	137 ft	4.9 dB (NEXT)	12/10/2022 02:26:56 PM
12-A	PASS	TIA Cat 6A Channel	64 ft	2.0 dB (NEXT)	12/18/2022 11:52:28 AM
12-B	PASS	TIA Cat 6A Channel	65 ft	2.6 dB (NEXT)	12/18/2022 12:06:30 PM
129-B	PASS	TIA Cat 6A Channel	260 ft	3.4 dB (NEXT)	11/23/2022 04:18:38 PM
130-A	PASS	TIA Cat 6A Channel	170 ft	5.0 dB (NEXT)	11/22/2022 03:06:45 PM
130-B	PASS	TIA Cat 6A Channel	84 ft	4.0 dB (NEXT)	11/22/2022 03:17:18 PM
129-B	PASS	TIA Cat 6A Channel	203 ft	2.3 dB (NEXT)	11/19/2022 05:47:49 PM
130-A	PASS	TIA Cat 6A Channel	250 ft	3.6 dB (NEXT)	11/19/2022 05:53:06 PM
130-B	PASS	TIA Cat 6A Channel	249 ft	4.9 dB (NEXT)	11/19/2022 05:53:31 PM
131-A	PASS	TIA Cat 6A Channel	108 ft	2.7 dB (NEXT)	11/19/2022 03:58:10 PM
131-B	PASS	TIA Cat 6A Channel	109 ft	5.7 dB (NEXT)	11/19/2022 03:58:35 PM
131-A	PASS	TIA Cat 6A Channel	162 ft	5.3 dB (NEXT)	12/19/2022 03:23:41 PM
131-B	PASS	TIA Cat 6A Channel	162 ft	6.5 dB (NEXT)	12/19/2022 03:24:03 PM
131-A	PASS	TIA Cat 6A Channel	251 ft	3.1 dB (NEXT)	12/11/2022 01:53:15 PM
131-B	PASS	TIA Cat 6A Channel	251 ft	2.9 dB (NEXT)	12/11/2022 01:56:01 PM
131-A	PASS	TIA Cat 6A Channel	132 ft	4.0 dB (NEXT)	12/03/2022 06:15:24 PM
131-B	PASS	TIA Cat 6A Channel	132 ft	3.5 dB (NEXT)	12/03/2022 06:13:19 PM
131-A	PASS	TIA Cat 6A Channel	215 ft	1.9 dB (NEXT)	12/17/2022 05:50:32 PM
131-B	PASS	TIA Cat 6A Channel	213 ft	5.3 dB (NEXT)	12/17/2022 05:51:00 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
131-A	PASS	TIA Cat 6A Channel	185 ft	1.7 dB (NEXT)	11/21/2022 05:59:43 PM
131-B	PASS	TIA Cat 6A Channel	182 ft	3.1 dB (NEXT)	11/21/2022 06:00:17 PM
132-1-A	PASS	TIA Cat 6A Channel	179 ft	4.4 dB (NEXT)	12/03/2022 11:52:53 AM
132-1-B	PASS	TIA Cat 6A Channel	178 ft	4.7 dB (NEXT)	12/03/2022 11:53:30 AM
132-2-A	PASS	TIA Cat 6A Channel	178 ft	5.0 dB (NEXT)	12/03/2022 12:53:12 PM
132-2-B	PASS	TIA Cat 6A Channel	179 ft	4.5 dB (NEXT)	12/03/2022 12:54:14 PM
132-3-A	PASS	TIA Cat 6A Channel	200 ft	4.9 dB (NEXT)	12/03/2022 12:36:43 PM
132-3-B	PASS	TIA Cat 6A Channel	198 ft	3.5 dB (NEXT)	12/03/2022 12:37:20 PM
132-4-A	PASS	TIA Cat 6A Channel	212 ft	4.4 dB (NEXT)	12/03/2022 12:17:52 PM
132-4-B	PASS	TIA Cat 6A Channel	211 ft	4.3 dB (NEXT)	12/03/2022 12:18:38 PM
132-A	PASS	TIA Cat 6A Channel	198 ft	5.8 dB (NEXT)	12/19/2022 03:25:39 PM
132-B	PASS	TIA Cat 6A Channel	198 ft	5.9 dB (NEXT)	12/19/2022 03:25:57 PM
133-A	PASS	TIA Cat 6A Channel	219 ft	5.9 dB (NEXT)	12/19/2022 03:27:38 PM
132-A	PASS	TIA Cat 6A Channel	175 ft	4.9 dB (NEXT)	12/04/2022 05:35:18 PM
132-B	PASS	TIA Cat 6A Channel	175 ft	4.8 dB (NEXT)	12/04/2022 05:35:46 PM
132-A	PASS	TIA Cat 6A Channel	284 ft	3.0 dB (NEXT)	12/11/2022 02:03:00 PM
132-B	PASS	TIA Cat 6A Channel	284 ft	3.9 dB (NEXT)	12/11/2022 02:04:38 PM
132-A	PASS	TIA Cat 6A Channel	130 ft	3.9 dB (NEXT)	12/03/2022 06:22:34 PM
132-B	PASS	TIA Cat 6A Channel	130 ft	3.4 dB (NEXT)	12/03/2022 06:22:07 PM
132-A	PASS	TIA Cat 6A Channel	188 ft	3.7 dB (NEXT)	12/17/2022 05:53:11 PM
132-B	PASS	TIA Cat 6A Channel	188 ft	2.7 dB (NEXT)	12/17/2022 05:53:37 PM
132-5-A	PASS	TIA Cat 6A Channel	157 ft	3.7 dB (NEXT)	12/03/2022 01:00:53 PM
132-5-B	PASS	TIA Cat 6A Channel	157 ft	5.0 dB (NEXT)	12/03/2022 01:01:28 PM
132-6-A	PASS	TIA Cat 6A Channel	203 ft	3.7 dB (NEXT)	12/03/2022 12:12:59 PM
132-6-B	PASS	TIA Cat 6A Channel	203 ft	4.6 dB (NEXT)	12/03/2022 12:10:00 PM
132-A	PASS	TIA Cat 6A Channel	157 ft	5.0 dB (NEXT)	12/10/2022 02:23:11 PM
132-B	PASS	TIA Cat 6A Channel	157 ft	4.9 dB (NEXT)	12/10/2022 02:24:08 PM
133-A	PASS	TIA Cat 6A Channel	84 ft	2.9 dB (NEXT)	11/22/2022 03:16:50 PM
132-A	PASS	TIA Cat 6A Channel	137 ft	3.5 dB (NEXT)	11/27/2022 06:39:19 PM
132-B	PASS	TIA Cat 6A Channel	137 ft	4.3 dB (NEXT)	11/27/2022 06:40:40 PM
133-B	PASS	TIA Cat 6A Channel	218 ft	4.2 dB (NEXT)	12/19/2022 03:27:58 PM
134-A	PASS	TIA Cat 6A Channel	253 ft	6.0 dB (NEXT)	12/19/2022 03:29:42 PM
134-B	PASS	TIA Cat 6A Channel	253 ft	4.5 dB (NEXT)	12/19/2022 03:32:50 PM
133-A	PASS	TIA Cat 6A Channel	139 ft	4.3 dB (NEXT)	12/04/2022 05:42:50 PM
133-B	PASS	TIA Cat 6A Channel	139 ft	3.3 dB (NEXT)	12/04/2022 05:43:48 PM
133-A	PASS	TIA Cat 6A Channel	306 ft	2.7 dB (NEXT)	12/11/2022 02:05:30 PM
133-B	PASS	TIA Cat 6A Channel	304 ft	1.7 dB (NEXT)	12/11/2022 02:09:06 PM
133-A	PASS	TIA Cat 6A Channel	96 ft	4.1 dB (NEXT)	12/03/2022 06:28:46 PM
133-B	PASS	TIA Cat 6A Channel	97 ft	4.1 dB (NEXT)	12/03/2022 06:29:38 PM
134-A	PASS	TIA Cat 6A Channel	198 ft	4.6 dB (NEXT)	11/23/2022 07:35:47 PM
134-B	PASS	TIA Cat 6A Channel	198 ft	4.5 dB (NEXT)	11/23/2022 07:37:55 PM
133-A	PASS	TIA Cat 6A Channel	147 ft	3.9 dB (NEXT)	12/17/2022 05:55:47 PM
133-B	PASS	TIA Cat 6A Channel	147 ft	3.2 dB (NEXT)	12/17/2022 05:56:06 PM
134-A	PASS	TIA Cat 6A Channel	134 ft	4.3 dB (NEXT)	12/17/2022 05:57:50 PM
134-B	PASS	TIA Cat 6A Channel	134 ft	4.3 dB (NEXT)	12/17/2022 06:02:44 PM
134-A	PASS	TIA Cat 6A Channel	223 ft	5.1 dB (NEXT)	11/22/2022 05:39:55 PM
134-B	PASS	TIA Cat 6A Channel	223 ft	4.7 dB (NEXT)	11/22/2022 05:43:27 PM
133-B	PASS	TIA Cat 6A Channel	171 ft	4.1 dB (NEXT)	11/22/2022 03:10:50 PM
134-A	PASS	TIA Cat 6A Channel	67 ft	3.1 dB (NEXT)	11/22/2022 03:19:23 PM
134-B	PASS	TIA Cat 6A Channel	67 ft	3.3 dB (NEXT)	11/22/2022 03:19:51 PM
135-A	PASS	TIA Cat 6A Channel	271 ft	4.1 dB (NEXT)	12/19/2022 03:35:09 PM
135-B	PASS	TIA Cat 6A Channel	271 ft	6.3 dB (NEXT)	12/19/2022 03:35:26 PM
136-A	PASS	TIA Cat 6A Channel	274 ft	6.5 dB (NEXT)	12/19/2022 03:38:16 PM
136-B	PASS	TIA Cat 6A Channel	275 ft	4.5 dB (NEXT)	12/19/2022 03:38:37 PM
137-A-2	PASS	TIA Cat 6A Channel	236 ft	5.6 dB (NEXT)	12/19/2022 03:42:26 PM
137-B-2	PASS	TIA Cat 6A Channel	235 ft	5.1 dB (NEXT)	12/19/2022 03:42:50 PM
138-A	PASS	TIA Cat 6A Channel	189 ft	4.6 dB (NEXT)	11/27/2022 04:27:34 PM
135-A	PASS	TIA Cat 6A Channel	304 ft	3.6 dB (NEXT)	12/11/2022 02:11:26 PM
135-B	PASS	TIA Cat 6A Channel	302 ft	2.5 dB (NEXT)	12/11/2022 02:12:11 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
139-A	PASS	TIA Cat 6A Channel	240 ft	2.4 dB (NEXT)	12/11/2022 02:15:46 PM
138-A	PASS	TIA Cat 6A Channel	146 ft	1.4 dB (NEXT)	12/03/2022 05:40:08 PM
138-B	PASS	TIA Cat 6A Channel	146 ft	3.8 dB (NEXT)	12/03/2022 05:37:17 PM
135-A	PASS	TIA Cat 6A Channel	181 ft	4.5 dB (NEXT)	11/27/2022 06:37:38 PM
135-B	PASS	TIA Cat 6A Channel	182 ft	3.2 dB (NEXT)	11/27/2022 06:38:56 PM
136-A	PASS	TIA Cat 6A Channel	210 ft	4.9 dB (NEXT)	11/27/2022 06:36:06 PM
136-B	PASS	TIA Cat 6A Channel	209 ft	3.8 dB (NEXT)	11/27/2022 06:36:41 PM
137-A	PASS	TIA Cat 6A Channel	254 ft	4.7 dB (NEXT)	11/27/2022 06:25:53 PM
137-B	PASS	TIA Cat 6A Channel	252 ft	3.6 dB (NEXT)	11/27/2022 06:26:48 PM
138-A	PASS	TIA Cat 6A Channel	282 ft	3.3 dB (NEXT)	11/27/2022 06:23:42 PM
138-B	PASS	TIA Cat 6A Channel	281 ft	4.0 dB (NEXT)	11/27/2022 06:24:36 PM
140-A-2	PASS	TIA Cat 6A Channel	199 ft	5.6 dB (NEXT)	12/19/2022 03:44:56 PM
140-B-2	PASS	TIA Cat 6A Channel	198 ft	5.9 dB (NEXT)	12/19/2022 03:45:15 PM
139-A	PASS	TIA Cat 6A Channel	234 ft	2.9 dB (NEXT)	11/27/2022 04:11:18 PM
139-B	PASS	TIA Cat 6A Channel	236 ft	3.8 dB (NEXT)	11/27/2022 04:12:35 PM
140-A	PASS	TIA Cat 6A Channel	266 ft	3.0 dB (NEXT)	11/27/2022 02:05:43 PM
140-B	PASS	TIA Cat 6A Channel	266 ft	4.8 dB (NEXT)	11/27/2022 02:13:33 PM
139-B	PASS	TIA Cat 6A Channel	239 ft	4.2 dB (NEXT)	12/11/2022 02:16:08 PM
141-A	PASS	TIA Cat 6A Channel	202 ft	2.2 dB (NEXT)	12/11/2022 02:17:04 PM
140-A	PASS	TIA Cat 6A Channel	192 ft	4.0 dB (NEXT)	12/03/2022 05:30:27 PM
140-B	PASS	TIA Cat 6A Channel	192 ft	3.9 dB (NEXT)	12/03/2022 05:29:33 PM
141-A	PASS	TIA Cat 6A Channel	213 ft	4.0 dB (NEXT)	12/03/2022 05:10:03 PM
140-A	PASS	TIA Cat 6A Channel	174 ft	3.8 dB (NEXT)	11/23/2022 05:19:07 PM
140-B	PASS	TIA Cat 6A Channel	172 ft	2.5 dB (NEXT)	11/23/2022 05:19:43 PM
141-A	PASS	TIA Cat 6A Channel	190 ft	4.2 dB (NEXT)	11/23/2022 07:22:28 PM
139-A	PASS	TIA Cat 6A Channel	146 ft	3.7 dB (NEXT)	12/17/2022 07:37:15 PM
139-B	PASS	TIA Cat 6A Channel	145 ft	4.1 dB (NEXT)	12/17/2022 07:37:33 PM
141-A	PASS	TIA Cat 6A Channel	127 ft	3.2 dB (NEXT)	12/17/2022 07:36:34 PM
13-A	PASS	TIA Cat 6A Channel	134 ft	2.5 dB (NEXT)	11/22/2022 07:38:29 PM
13-B	PASS	TIA Cat 6A Channel	134 ft	2.5 dB (NEXT)	11/22/2022 07:40:29 PM
141-A	PASS	TIA Cat 6A Channel	279 ft	4.5 dB (NEXT)	11/27/2022 06:20:11 PM
142-A	PASS	TIA Cat 6A Channel	304 ft	2.4 dB (NEXT)	11/27/2022 03:01:48 PM
142-B	PASS	TIA Cat 6A Channel	304 ft	3.8 dB (NEXT)	11/27/2022 03:09:51 PM
141-B	PASS	TIA Cat 6A Channel	201 ft	4.5 dB (NEXT)	12/11/2022 02:20:26 PM
142-1-A	PASS	TIA Cat 6A Channel	126 ft	4.8 dB (NEXT)	12/11/2022 03:49:27 PM
142-1-B	PASS	TIA Cat 6A Channel	125 ft	4.0 dB (NEXT)	12/11/2022 03:49:56 PM
142-2-A-2	PASS	TIA Cat 6A Channel	134 ft	5.1 dB (NEXT)	12/11/2022 02:34:54 PM
142-2-B-2	PASS	TIA Cat 6A Channel	133 ft	2.9 dB (NEXT)	12/11/2022 02:36:41 PM
142-3-A-2	PASS	TIA Cat 6A Channel	168 ft	2.4 dB (NEXT)	12/11/2022 02:23:09 PM
142-3-B-2	PASS	TIA Cat 6A Channel	168 ft	3.8 dB (NEXT)	12/11/2022 02:26:11 PM
141-B	PASS	TIA Cat 6A Channel	213 ft	4.5 dB (NEXT)	12/03/2022 05:10:44 PM
141-B	PASS	TIA Cat 6A Channel	191 ft	4.3 dB (NEXT)	11/23/2022 07:23:17 PM
142-1-A	PASS	TIA Cat 6A Channel	245 ft	3.7 dB (NEXT)	11/23/2022 06:15:28 PM
142-1-B	PASS	TIA Cat 6A Channel	247 ft	4.4 dB (NEXT)	11/23/2022 06:15:53 PM
142-2-A	PASS	TIA Cat 6A Channel	284 ft	2.3 dB (NEXT)	11/23/2022 06:03:15 PM
142-2-B	PASS	TIA Cat 6A Channel	285 ft	3.6 dB (NEXT)	11/23/2022 06:03:50 PM
141-B	PASS	TIA Cat 6A Channel	127 ft	5.2 dB (NEXT)	12/17/2022 07:36:52 PM
141-B	PASS	TIA Cat 6A Channel	279 ft	3.4 dB (NEXT)	11/27/2022 06:20:49 PM
142-A	PASS	TIA Cat 6A Channel	245 ft	4.3 dB (NEXT)	11/27/2022 06:18:22 PM
142-B	PASS	TIA Cat 6A Channel	244 ft	3.7 dB (NEXT)	11/27/2022 06:18:42 PM
143-A	PASS	TIA Cat 6A Channel	217 ft	3.8 dB (NEXT)	11/27/2022 06:16:41 PM
144-1-A-2	PASS	TIA Cat 6A Channel	138 ft	5.1 dB (NEXT)	12/19/2022 04:08:11 PM
144-1-B-2	PASS	TIA Cat 6A Channel	138 ft	5.2 dB (NEXT)	12/19/2022 04:08:33 PM
144-2-A-2	PASS	TIA Cat 6A Channel	172 ft	4.7 dB (NEXT)	12/19/2022 04:12:32 PM
144-2-B-2	PASS	TIA Cat 6A Channel	172 ft	5.3 dB (NEXT)	12/19/2022 04:13:24 PM
143-A	PASS	TIA Cat 6A Channel	352 ft	2.9 dB (NEXT)	11/27/2022 03:13:49 PM
143-B	PASS	TIA Cat 6A Channel	338 ft	4.2 dB (NEXT)	11/27/2022 03:23:07 PM
144-A	PASS	TIA Cat 6A Channel	341 ft	3.7 dB (NEXT)	11/27/2022 03:26:19 PM
144-B	PASS	TIA Cat 6A Channel	342 ft	3.9 dB (NEXT)	11/27/2022 03:27:14 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
143-A	PASS	TIA Cat 6A Channel	243 ft	4.8 dB (NEXT)	12/03/2022 05:03:54 PM
143-B	PASS	TIA Cat 6A Channel	242 ft	4.9 dB (NEXT)	12/03/2022 05:03:19 PM
144-A	PASS	TIA Cat 6A Channel	243 ft	3.6 dB (NEXT)	12/03/2022 05:05:46 PM
144-B	PASS	TIA Cat 6A Channel	245 ft	4.1 dB (NEXT)	12/03/2022 05:06:10 PM
144-A	PASS	TIA Cat 6A Channel	156 ft	3.4 dB (NEXT)	11/23/2022 07:27:20 PM
144-B	PASS	TIA Cat 6A Channel	157 ft	3.3 dB (NEXT)	11/23/2022 07:27:47 PM
145-1-A	PASS	TIA Cat 6A Channel	209 ft	5.0 dB (NEXT)	11/23/2022 06:23:14 PM
144-A	PASS	TIA Cat 6A Channel	99 ft	1.6 dB (NEXT)	12/17/2022 07:35:27 PM
144-B	PASS	TIA Cat 6A Channel	97 ft	3.0 dB (NEXT)	12/17/2022 07:35:48 PM
144-A	PASS	TIA Cat 6A Channel	134 ft	4.9 dB (NEXT)	12/10/2022 04:21:34 PM
144-B	PASS	TIA Cat 6A Channel	133 ft	5.0 dB (NEXT)	12/10/2022 04:25:34 PM
143-B	PASS	TIA Cat 6A Channel	217 ft	4.2 dB (NEXT)	11/27/2022 06:17:03 PM
146-1-A-2	PASS	TIA Cat 6A Channel	111 ft	3.2 dB (NEXT)	12/19/2022 03:56:49 PM
146-1-B-2	PASS	TIA Cat 6A Channel	172 ft	5.2 dB (NEXT)	12/19/2022 04:13:40 PM
146-2-A-2	PASS	TIA Cat 6A Channel	132 ft	4.0 dB (NEXT)	12/19/2022 03:52:05 PM
146-2-B-2	PASS	TIA Cat 6A Channel	132 ft	4.1 dB (NEXT)	12/19/2022 03:51:01 PM
146-B-2	PASS	TIA Cat 6A Channel	301 ft	2.7 dB (NEXT)	11/27/2022 03:43:13 PM
147-A-2	PASS	TIA Cat 6A Channel	267 ft	5.1 dB (NEXT)	11/27/2022 03:46:45 PM
146-A	PASS	TIA Cat 6A Channel	213 ft	2.4 dB (NEXT)	12/03/2022 05:08:08 PM
146-B	PASS	TIA Cat 6A Channel	213 ft	4.1 dB (NEXT)	12/03/2022 05:08:35 PM
147-A	PASS	TIA Cat 6A Channel	184 ft	4.2 dB (NEXT)	12/03/2022 05:32:40 PM
145-1-B	PASS	TIA Cat 6A Channel	209 ft	2.2 dB (NEXT)	11/23/2022 06:30:03 PM
145-2-A	PASS	TIA Cat 6A Channel	220 ft	3.9 dB (NEXT)	11/23/2022 06:54:23 PM
145-2-B	PASS	TIA Cat 6A Channel	219 ft	3.8 dB (NEXT)	11/23/2022 06:58:43 PM
147-A	PASS	TIA Cat 6A Channel	185 ft	4.5 dB (NEXT)	12/10/2022 12:53:02 PM
145-A	PASS	TIA Cat 6A Channel	157 ft	4.7 dB (NEXT)	12/17/2022 02:14:49 PM
145-B	PASS	TIA Cat 6A Channel	157 ft	4.4 dB (NEXT)	12/17/2022 02:27:26 PM
146-1-A	PASS	TIA Cat 6A Channel	153 ft	3.0 dB (NEXT)	11/27/2022 06:12:38 PM
146-1-B	PASS	TIA Cat 6A Channel	153 ft	2.8 dB (NEXT)	11/27/2022 06:13:18 PM
146-2-A	PASS	TIA Cat 6A Channel	125 ft	1.0 dB (NEXT)	11/27/2022 06:10:09 PM
146-2-B	PASS	TIA Cat 6A Channel	125 ft	1.8 dB (NEXT)	11/27/2022 06:11:28 PM
147-A	PASS	TIA Cat 6A Channel	140 ft	5.5 dB (NEXT)	12/17/2022 11:24:15 AM
147-B-2	PASS	TIA Cat 6A Channel	266 ft	4.4 dB (NEXT)	11/27/2022 03:49:30 PM
149-A	PASS	TIA Cat 6A Channel	193 ft	4.2 dB (NEXT)	11/27/2022 04:39:55 PM
149-A-2	PASS	TIA Cat 6A Channel	235 ft	3.9 dB (NEXT)	11/27/2022 04:14:58 PM
149-1-A-2	PASS	TIA Cat 6A Channel	167 ft	2.1 dB (NEXT)	12/11/2022 01:38:50 PM
149-1-B-2	PASS	TIA Cat 6A Channel	164 ft	3.9 dB (NEXT)	12/11/2022 01:40:51 PM
149-2-A-2	PASS	TIA Cat 6A Channel	139 ft	3.2 dB (NEXT)	12/11/2022 01:37:30 PM
149-2-B-2	PASS	TIA Cat 6A Channel	138 ft	3.3 dB (NEXT)	12/11/2022 01:38:24 PM
149-3-A-2	PASS	TIA Cat 6A Channel	187 ft	3.0 dB (NEXT)	12/11/2022 01:33:20 PM
149-3-B-2	PASS	TIA Cat 6A Channel	188 ft	2.3 dB (NEXT)	12/11/2022 01:31:27 PM
147-B	PASS	TIA Cat 6A Channel	183 ft	4.2 dB (NEXT)	12/03/2022 05:33:11 PM
147-B	PASS	TIA Cat 6A Channel	183 ft	4.2 dB (NEXT)	12/10/2022 12:53:28 PM
148-1-A	PASS	TIA Cat 6A Channel	211 ft	6.4 dB (NEXT)	12/10/2022 12:57:16 PM
148-1-B	PASS	TIA Cat 6A Channel	211 ft	4.9 dB (NEXT)	12/10/2022 12:57:48 PM
148-2-A	PASS	TIA Cat 6A Channel	229 ft	5.5 dB (NEXT)	12/10/2022 01:03:30 PM
148-2-B	PASS	TIA Cat 6A Channel	228 ft	4.2 dB (NEXT)	12/10/2022 01:02:51 PM
149-A	PASS	TIA Cat 6A Channel	103 ft	3.8 dB (NEXT)	12/17/2022 07:33:14 PM
149-B	PASS	TIA Cat 6A Channel	103 ft	3.4 dB (NEXT)	12/17/2022 07:33:35 PM
147-B	PASS	TIA Cat 6A Channel	141 ft	5.7 dB (NEXT)	12/17/2022 11:27:03 AM
149-A	PASS	TIA Cat 6A Channel	121 ft	4.5 dB (NEXT)	12/17/2022 11:29:57 AM
149-B	PASS	TIA Cat 6A Channel	121 ft	5.2 dB (NEXT)	12/17/2022 11:30:31 AM
149-B	PASS	TIA Cat 6A Channel	193 ft	2.2 dB (NEXT)	11/27/2022 04:41:49 PM
149-B-2	PASS	TIA Cat 6A Channel	235 ft	4.1 dB (NEXT)	11/27/2022 04:17:08 PM
151-A	PASS	TIA Cat 6A Channel	154 ft	3.7 dB (NEXT)	11/27/2022 04:47:32 PM
151-B	PASS	TIA Cat 6A Channel	155 ft	4.5 dB (NEXT)	11/27/2022 04:46:45 PM
14-A	PASS	TIA Cat 6A Channel	64 ft	3.6 dB (NEXT)	12/18/2022 02:19:54 PM
14-B	PASS	TIA Cat 6A Channel	64 ft	3.7 dB (NEXT)	12/18/2022 02:20:36 PM
15-1-A	PASS	TIA Cat 6A Channel	121 ft	5.2 dB (NEXT)	12/18/2022 01:49:18 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
15-1-B	PASS	TIA Cat 6A Channel	119 ft	5.0 dB (NEXT)	12/18/2022 01:49:37 PM
151-A	PASS	TIA Cat 6A Channel	130 ft	4.7 dB (NEXT)	12/17/2022 07:30:16 PM
151-B	PASS	TIA Cat 6A Channel	130 ft	2.7 dB (NEXT)	12/17/2022 07:31:38 PM
150-1-A	PASS	TIA Cat 6A Channel	252 ft	5.9 dB (NEXT)	12/10/2022 07:03:26 PM
150-1-B	PASS	TIA Cat 6A Channel	252 ft	5.9 dB (NEXT)	12/10/2022 07:03:45 PM
150-2-A	PASS	TIA Cat 6A Channel	201 ft	5.8 dB (NEXT)	12/10/2022 07:01:26 PM
150-2-B	PASS	TIA Cat 6A Channel	201 ft	6.4 dB (NEXT)	12/10/2022 07:01:46 PM
150-3-A	PASS	TIA Cat 6A Channel	162 ft	4.8 dB (NEXT)	12/10/2022 06:59:38 PM
150-3-B	PASS	TIA Cat 6A Channel	163 ft	5.9 dB (NEXT)	12/10/2022 06:59:56 PM
150-4-A	PASS	TIA Cat 6A Channel	94 ft	3.3 dB (NEXT)	12/10/2022 06:56:09 PM
150-4-B	PASS	TIA Cat 6A Channel	94 ft	5.4 dB (NEXT)	12/10/2022 06:56:29 PM
15-1-A	PASS	TIA Cat 6A Channel	172 ft	4.4 dB (NEXT)	11/22/2022 07:47:27 PM
15-1-B	PASS	TIA Cat 6A Channel	173 ft	3.5 dB (NEXT)	11/23/2022 11:34:31 AM
152-1-A	PASS	TIA Cat 6A Channel	131 ft	3.6 dB (NEXT)	12/04/2022 11:17:47 AM
152-1-B	PASS	TIA Cat 6A Channel	131 ft	3.2 dB (NEXT)	12/04/2022 11:18:15 AM
153-A	PASS	TIA Cat 6A Channel	157 ft	4.4 dB (NEXT)	12/04/2022 12:35:39 PM
153-B	PASS	TIA Cat 6A Channel	157 ft	3.0 dB (NEXT)	12/04/2022 12:41:05 PM
154-1-A	PASS	TIA Cat 6A Channel	105 ft	3.8 dB (NEXT)	12/04/2022 11:21:38 AM
154-1-B	PASS	TIA Cat 6A Channel	106 ft	5.0 dB (NEXT)	12/04/2022 11:22:01 AM
154-2-A	PASS	TIA Cat 6A Channel	82 ft	2.6 dB (NEXT)	12/04/2022 11:24:05 AM
154-2-B	PASS	TIA Cat 6A Channel	82 ft	3.2 dB (NEXT)	12/04/2022 11:25:09 AM
152-2-A	PASS	TIA Cat 6A Channel	148 ft	3.9 dB (NEXT)	12/03/2022 05:49:55 PM
152-2-B	PASS	TIA Cat 6A Channel	148 ft	3.6 dB (NEXT)	12/03/2022 05:48:07 PM
15-2-A	PASS	TIA Cat 6A Channel	131 ft	4.1 dB (NEXT)	12/18/2022 01:44:33 PM
15-2-B	PASS	TIA Cat 6A Channel	129 ft	4.7 dB (NEXT)	12/18/2022 01:45:02 PM
152-A	PASS	TIA Cat 6A Channel	161 ft	2.9 dB (NEXT)	12/17/2022 07:26:33 PM
152-B	PASS	TIA Cat 6A Channel	163 ft	3.6 dB (NEXT)	12/17/2022 07:26:52 PM
154-A	PASS	TIA Cat 6A Channel	187 ft	3.0 dB (NEXT)	12/17/2022 07:23:59 PM
15-2-A	PASS	TIA Cat 6A Channel	197 ft	2.6 dB (NEXT)	11/23/2022 11:38:03 AM
15-2-B	PASS	TIA Cat 6A Channel	198 ft	4.4 dB (NEXT)	11/23/2022 11:36:41 AM
153-A	PASS	TIA Cat 6A Channel	225 ft	3.2 dB (NEXT)	11/20/2022 07:23:45 PM
153-B	PASS	TIA Cat 6A Channel	225 ft	1.5 dB (NEXT)	11/20/2022 07:27:43 PM
154-A	PASS	TIA Cat 6A Channel	74 ft	5.1 dB (NEXT)	12/17/2022 11:33:58 AM
154-A-2	PASS	TIA Cat 6A Channel	214 ft	2.5 dB (NEXT)	12/11/2022 03:55:46 PM
154-B-2	PASS	TIA Cat 6A Channel	213 ft	4.4 dB (NEXT)	12/11/2022 03:56:09 PM
156-A-2	PASS	TIA Cat 6A Channel	241 ft	3.7 dB (NEXT)	12/11/2022 04:01:44 PM
155-1-A	PASS	TIA Cat 6A Channel	107 ft	3.5 dB (NEXT)	12/10/2022 12:32:02 PM
155-1-B	PASS	TIA Cat 6A Channel	107 ft	5.6 dB (NEXT)	12/10/2022 12:32:39 PM
155-2-A	PASS	TIA Cat 6A Channel	130 ft	5.6 dB (NEXT)	12/10/2022 12:29:28 PM
155-2-B	PASS	TIA Cat 6A Channel	130 ft	5.2 dB (NEXT)	12/10/2022 12:21:35 PM
155-3-A	PASS	TIA Cat 6A Channel	93 ft	5.0 dB (NEXT)	12/10/2022 12:38:01 PM
155-3-B	PASS	TIA Cat 6A Channel	93 ft	4.1 dB (NEXT)	12/10/2022 12:44:15 PM
155-4-A	PASS	TIA Cat 6A Channel	69 ft	4.2 dB (NEXT)	12/10/2022 12:35:17 PM
155-4-B	PASS	TIA Cat 6A Channel	69 ft	3.6 dB (NEXT)	12/10/2022 12:35:47 PM
156-A	PASS	TIA Cat 6A Channel	129 ft	3.7 dB (NEXT)	11/23/2022 05:12:42 PM
156-B	PASS	TIA Cat 6A Channel	127 ft	3.4 dB (NEXT)	11/23/2022 05:13:09 PM
154-B	PASS	TIA Cat 6A Channel	186 ft	3.7 dB (NEXT)	12/17/2022 07:24:19 PM
155-A	PASS	TIA Cat 6A Channel	219 ft	3.8 dB (NEXT)	12/17/2022 07:21:59 PM
155-B	PASS	TIA Cat 6A Channel	216 ft	2.9 dB (NEXT)	12/17/2022 07:22:17 PM
156-A	PASS	TIA Cat 6A Channel	223 ft	4.4 dB (NEXT)	12/17/2022 07:19:48 PM
154-B	PASS	TIA Cat 6A Channel	74 ft	3.4 dB (NEXT)	12/17/2022 11:34:17 AM
156-A	PASS	TIA Cat 6A Channel	121 ft	4.6 dB (NEXT)	12/17/2022 11:35:35 AM
156-B	PASS	TIA Cat 6A Channel	121 ft	5.6 dB (NEXT)	12/17/2022 11:35:59 AM
157-A	PASS	TIA Cat 6A Channel	178 ft	3.4 dB (NEXT)	12/04/2022 11:44:49 AM
157-B	PASS	TIA Cat 6A Channel	178 ft	4.7 dB (NEXT)	12/04/2022 11:45:18 AM
158-A	PASS	TIA Cat 6A Channel	207 ft	3.8 dB (NEXT)	12/04/2022 11:48:08 AM
158-B	PASS	TIA Cat 6A Channel	205 ft	4.8 dB (NEXT)	12/04/2022 11:49:51 AM
160-A	PASS	TIA Cat 6A Channel	238 ft	3.5 dB (NEXT)	12/04/2022 11:58:37 AM
156-B-2	PASS	TIA Cat 6A Channel	241 ft	2.5 dB (NEXT)	12/11/2022 04:02:15 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
157-A	PASS	TIA Cat 6A Channel	100 ft	5.1 dB (NEXT)	12/10/2022 12:47:42 PM
157-B	PASS	TIA Cat 6A Channel	99 ft	2.7 dB (NEXT)	12/10/2022 12:48:08 PM
156-B	PASS	TIA Cat 6A Channel	223 ft	4.4 dB (NEXT)	12/17/2022 07:20:06 PM
157-A	PASS	TIA Cat 6A Channel	179 ft	3.9 dB (NEXT)	12/17/2022 07:17:06 PM
157-B	PASS	TIA Cat 6A Channel	178 ft	5.0 dB (NEXT)	12/17/2022 07:17:27 PM
159-A	PASS	TIA Cat 6A Channel	144 ft	3.2 dB (NEXT)	12/17/2022 07:14:50 PM
159-B	PASS	TIA Cat 6A Channel	144 ft	3.3 dB (NEXT)	12/17/2022 07:15:11 PM
160-A	PASS	TIA Cat 6A Channel	121 ft	3.9 dB (NEXT)	12/17/2022 07:12:03 PM
157-A	PASS	TIA Cat 6A Channel	157 ft	5.1 dB (NEXT)	12/17/2022 11:36:53 AM
157-B	PASS	TIA Cat 6A Channel	157 ft	5.4 dB (NEXT)	12/17/2022 11:37:57 AM
158-A	PASS	TIA Cat 6A Channel	156 ft	4.3 dB (NEXT)	12/17/2022 11:38:57 AM
158-B	PASS	TIA Cat 6A Channel	157 ft	4.7 dB (NEXT)	12/17/2022 11:39:35 AM
159-A	PASS	TIA Cat 6A Channel	120 ft	5.1 dB (NEXT)	12/17/2022 11:41:19 AM
159-B	PASS	TIA Cat 6A Channel	120 ft	3.7 dB (NEXT)	12/17/2022 11:41:39 AM
160-B	PASS	TIA Cat 6A Channel	240 ft	3.7 dB (NEXT)	12/04/2022 11:58:59 AM
161-A	PASS	TIA Cat 6A Channel	271 ft	4.4 dB (NEXT)	12/04/2022 12:06:42 PM
161-B	PASS	TIA Cat 6A Channel	272 ft	3.8 dB (NEXT)	12/04/2022 12:08:51 PM
162-A	PASS	TIA Cat 6A Channel	269 ft	3.5 dB (NEXT)	12/04/2022 12:13:04 PM
162-B	PASS	TIA Cat 6A Channel	271 ft	4.3 dB (NEXT)	12/04/2022 12:14:22 PM
163-A	PASS	TIA Cat 6A Channel	337 ft	4.2 dB (NEXT)	12/04/2022 12:18:54 PM
163-B	PASS	TIA Cat 6A Channel	339 ft	3.6 dB (NEXT)	12/04/2022 12:19:14 PM
160-A-2	PASS	TIA Cat 6A Channel	288 ft	4.2 dB (NEXT)	12/11/2022 04:06:06 PM
160-B-2	PASS	TIA Cat 6A Channel	288 ft	4.3 dB (NEXT)	12/11/2022 04:06:26 PM
162-A-2	PASS	TIA Cat 6A Channel	321 ft	1.9 dB (NEXT)	12/11/2022 04:09:56 PM
162-B-2	PASS	TIA Cat 6A Channel	320 ft	2.8 dB (NEXT)	12/11/2022 04:12:39 PM
163-A-2	PASS	TIA Cat 6A Channel	319 ft	2.8 dB (NEXT)	12/11/2022 04:17:54 PM
163-B-2	PASS	TIA Cat 6A Channel	319 ft	3.0 dB (NEXT)	12/11/2022 04:22:06 PM
160-B	PASS	TIA Cat 6A Channel	120 ft	4.6 dB (NEXT)	12/17/2022 07:12:51 PM
162-A	PASS	TIA Cat 6A Channel	86 ft	3.3 dB (NEXT)	12/17/2022 07:00:05 PM
162-B	PASS	TIA Cat 6A Channel	85 ft	3.1 dB (NEXT)	12/17/2022 07:00:26 PM
161-A	PASS	TIA Cat 6A Channel	185 ft	3.7 dB (NEXT)	12/10/2022 04:43:48 PM
161-B	PASS	TIA Cat 6A Channel	186 ft	5.5 dB (NEXT)	12/10/2022 04:48:07 PM
161-A	PASS	TIA Cat 6A Channel	96 ft	3.6 dB (NEXT)	12/17/2022 11:43:06 AM
161-B	PASS	TIA Cat 6A Channel	95 ft	5.4 dB (NEXT)	12/17/2022 11:43:25 AM
164-A	PASS	TIA Cat 6A Channel	295 ft	5.0 dB (NEXT)	12/04/2022 12:21:48 PM
164-B	PASS	TIA Cat 6A Channel	295 ft	3.7 dB (NEXT)	12/04/2022 12:23:18 PM
165-A	PASS	TIA Cat 6A Channel	236 ft	3.1 dB (NEXT)	12/04/2022 12:24:37 PM
165-B	PASS	TIA Cat 6A Channel	236 ft	3.3 dB (NEXT)	12/04/2022 12:27:46 PM
167-A	PASS	TIA Cat 6A Channel	215 ft	1.3 dB (NEXT)	12/04/2022 12:29:01 PM
165-A-2	PASS	TIA Cat 6A Channel	290 ft	3.3 dB (NEXT)	12/11/2022 04:23:05 PM
165-B-2	PASS	TIA Cat 6A Channel	290 ft	2.5 dB (NEXT)	12/11/2022 04:29:59 PM
166-A-2	PASS	TIA Cat 6A Channel	262 ft	1.9 dB (NEXT)	12/11/2022 04:33:01 PM
166-B-2	PASS	TIA Cat 6A Channel	261 ft	1.9 dB (NEXT)	12/11/2022 04:34:22 PM
164-1-A	PASS	TIA Cat 6A Channel	165 ft	4.6 dB (NEXT)	12/17/2022 06:49:16 PM
164-1-B	PASS	TIA Cat 6A Channel	163 ft	2.6 dB (NEXT)	12/17/2022 06:48:39 PM
164-2-A	PASS	TIA Cat 6A Channel	132 ft	4.4 dB (NEXT)	12/17/2022 06:54:58 PM
164-2-B	PASS	TIA Cat 6A Channel	130 ft	3.5 dB (NEXT)	12/17/2022 06:56:00 PM
165-A	PASS	TIA Cat 6A Channel	197 ft	2.7 dB (NEXT)	12/17/2022 06:40:40 PM
165-B	PASS	TIA Cat 6A Channel	196 ft	4.0 dB (NEXT)	12/17/2022 06:40:01 PM
166-A-2	PASS	TIA Cat 6A Channel	249 ft	3.2 dB (NEXT)	12/17/2022 06:28:29 PM
166-B-2	PASS	TIA Cat 6A Channel	249 ft	5.1 dB (NEXT)	12/17/2022 06:29:08 PM
165-A	PASS	TIA Cat 6A Channel	108 ft	4.8 dB (NEXT)	12/17/2022 11:48:30 AM
165-B	PASS	TIA Cat 6A Channel	108 ft	5.1 dB (NEXT)	12/17/2022 11:45:32 AM
167-A	PASS	TIA Cat 6A Channel	144 ft	3.6 dB (NEXT)	12/17/2022 11:50:56 AM
167-B	PASS	TIA Cat 6A Channel	216 ft	3.6 dB (NEXT)	12/04/2022 12:30:38 PM
168-A	PASS	TIA Cat 6A Channel	177 ft	3.7 dB (NEXT)	12/04/2022 12:31:49 PM
168-B	PASS	TIA Cat 6A Channel	177 ft	1.8 dB (NEXT)	12/04/2022 12:34:47 PM
168-A-2	PASS	TIA Cat 6A Channel	235 ft	3.3 dB (NEXT)	12/11/2022 04:38:52 PM
168-B-2	PASS	TIA Cat 6A Channel	234 ft	3.0 dB (NEXT)	12/11/2022 04:39:14 PM

LinkWare™ Live

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
169-A-2	PASS	TIA Cat 6A Channel	210 ft	3.3 dB (NEXT)	12/11/2022 04:41:57 PM
169-B-2	PASS	TIA Cat 6A Channel	209 ft	2.5 dB (NEXT)	12/11/2022 04:42:17 PM
171-A-2	PASS	TIA Cat 6A Channel	229 ft	3.0 dB (NEXT)	12/11/2022 04:44:42 PM
170-A	PASS	TIA Cat 6A Channel	215 ft	5.3 dB (NEXT)	12/10/2022 01:37:10 PM
170-B	PASS	TIA Cat 6A Channel	161 ft	3.9 dB (NEXT)	12/10/2022 01:32:49 PM
171-A	PASS	TIA Cat 6A Channel	161 ft	4.1 dB (NEXT)	12/10/2022 01:56:11 PM
169-A-2	PASS	TIA Cat 6A Channel	301 ft	3.6 dB (NEXT)	12/17/2022 07:39:44 PM
169-B-2	PASS	TIA Cat 6A Channel	301 ft	4.9 dB (NEXT)	12/17/2022 07:40:06 PM
167-B	PASS	TIA Cat 6A Channel	147 ft	5.1 dB (NEXT)	12/17/2022 11:52:04 AM
168-A	PASS	TIA Cat 6A Channel	163 ft	4.4 dB (NEXT)	12/17/2022 11:52:34 AM
168-B	PASS	TIA Cat 6A Channel	163 ft	6.3 dB (NEXT)	12/17/2022 11:54:46 AM
170-A	PASS	TIA Cat 6A Channel	199 ft	4.2 dB (NEXT)	12/17/2022 11:57:56 AM
170-B	PASS	TIA Cat 6A Channel	200 ft	4.4 dB (NEXT)	12/17/2022 11:58:15 AM
171-A	PASS	TIA Cat 6A Channel	200 ft	4.5 dB (NEXT)	12/17/2022 12:04:14 PM
171-B	PASS	TIA Cat 6A Channel	199 ft	5.6 dB (NEXT)	12/17/2022 12:04:40 PM
201-A	PASS	TIA Cat 6A Channel	186 ft	3.6 dB (NEXT)	11/26/2022 01:15:35 PM
202-A	PASS	TIA Cat 6A Channel	204 ft	3.2 dB (NEXT)	11/26/2022 05:02:08 PM
202-B	PASS	TIA Cat 6A Channel	203 ft	3.6 dB (NEXT)	11/26/2022 05:13:07 PM
171-B-2	PASS	TIA Cat 6A Channel	228 ft	3.5 dB (NEXT)	12/11/2022 04:45:48 PM
172-A-2	PASS	TIA Cat 6A Channel	251 ft	3.8 dB (NEXT)	12/11/2022 04:46:30 PM
172-B-2	PASS	TIA Cat 6A Channel	250 ft	3.6 dB (NEXT)	12/11/2022 04:48:33 PM
171-B	PASS	TIA Cat 6A Channel	161 ft	4.1 dB (NEXT)	12/10/2022 01:56:30 PM
19-A	PASS	TIA Cat 6A Channel	114 ft	4.3 dB (NEXT)	12/18/2022 01:24:35 PM
19-B	PASS	TIA Cat 6A Channel	114 ft	3.0 dB (NEXT)	12/18/2022 01:23:23 PM
19-A	PASS	TIA Cat 6A Channel	114 ft	2.5 dB (NEXT)	12/18/2022 11:41:02 AM
19-B	PASS	TIA Cat 6A Channel	113 ft	3.1 dB (NEXT)	12/18/2022 11:41:29 AM
201-A	PASS	TIA Cat 6A Channel	249 ft	5.2 dB (NEXT)	12/10/2022 05:30:17 PM
201-B	PASS	TIA Cat 6A Channel	248 ft	4.1 dB (NEXT)	12/10/2022 05:31:06 PM
202-A	PASS	TIA Cat 6A Channel	218 ft	5.4 dB (NEXT)	12/10/2022 05:33:06 PM
173-A	PASS	TIA Cat 6A Channel	162 ft	5.1 dB (NEXT)	12/17/2022 12:07:26 PM
173-B	PASS	TIA Cat 6A Channel	163 ft	2.2 dB (NEXT)	12/17/2022 12:07:57 PM
174-A	PASS	TIA Cat 6A Channel	138 ft	4.8 dB (NEXT)	12/17/2022 12:09:27 PM
174-B	PASS	TIA Cat 6A Channel	139 ft	5.0 dB (NEXT)	12/17/2022 12:10:40 PM
176-A	PASS	TIA Cat 6A Channel	117 ft	4.8 dB (NEXT)	12/17/2022 12:13:42 PM
176-B	PASS	TIA Cat 6A Channel	117 ft	5.1 dB (NEXT)	12/17/2022 12:14:41 PM
204-A	PASS	TIA Cat 6A Channel	199 ft	4.0 dB (NEXT)	11/19/2022 06:24:28 PM
204-B	PASS	TIA Cat 6A Channel	199 ft	5.1 dB (NEXT)	11/19/2022 06:27:55 PM
206-A	PASS	TIA Cat 6A Channel	145 ft	4.7 dB (NEXT)	11/19/2022 06:36:05 PM
206-B	PASS	TIA Cat 6A Channel	145 ft	4.5 dB (NEXT)	11/19/2022 06:37:28 PM
207-A	PASS	TIA Cat 6A Channel	127 ft	3.0 dB (NEXT)	11/19/2022 06:40:35 PM
207-B	PASS	TIA Cat 6A Channel	126 ft	4.8 dB (NEXT)	11/19/2022 06:44:39 PM
214-A	PASS	TIA Cat 6A Channel	76 ft	3.4 dB (NEXT)	11/19/2022 06:52:56 PM
214-B	PASS	TIA Cat 6A Channel	76 ft	3.0 dB (NEXT)	11/19/2022 06:53:35 PM
202-B	PASS	TIA Cat 6A Channel	218 ft	4.8 dB (NEXT)	12/10/2022 05:34:08 PM
203-A	PASS	TIA Cat 6A Channel	212 ft	4.1 dB (NEXT)	12/10/2022 05:35:08 PM
203-B	PASS	TIA Cat 6A Channel	212 ft	4.4 dB (NEXT)	12/10/2022 05:36:09 PM
205-A	PASS	TIA Cat 6A Channel	158 ft	5.0 dB (NEXT)	12/10/2022 05:39:54 PM
205-B	PASS	TIA Cat 6A Channel	157 ft	5.2 dB (NEXT)	12/10/2022 05:40:47 PM
206-A	PASS	TIA Cat 6A Channel	117 ft	3.7 dB (NEXT)	12/10/2022 05:42:29 PM
206-B	PASS	TIA Cat 6A Channel	116 ft	5.6 dB (NEXT)	12/10/2022 05:48:31 PM
212-A	PASS	TIA Cat 6A Channel	189 ft	3.4 dB (NEXT)	12/10/2022 05:50:01 PM
212-B	PASS	TIA Cat 6A Channel	186 ft	5.0 dB (NEXT)	12/10/2022 05:50:33 PM
213-A	PASS	TIA Cat 6A Channel	184 ft	4.6 dB (NEXT)	12/10/2022 05:52:37 PM
213-B	PASS	TIA Cat 6A Channel	183 ft	5.4 dB (NEXT)	12/10/2022 05:52:51 PM
214-A	PASS	TIA Cat 6A Channel	107 ft	1.9 dB (NEXT)	12/10/2022 05:15:33 PM
217-A	PASS	TIA Cat 6A Channel	99 ft	3.1 dB (NEXT)	11/19/2022 06:58:22 PM
217-B	PASS	TIA Cat 6A Channel	98 ft	1.3 dB (NEXT)	11/19/2022 06:58:46 PM
218-A	PASS	TIA Cat 6A Channel	80 ft	2.4 dB (NEXT)	11/19/2022 06:59:04 PM
218-B	PASS	TIA Cat 6A Channel	79 ft	2.3 dB (NEXT)	11/19/2022 07:13:48 PM

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Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
221-A	PASS	TIA Cat 6A Channel	177 ft	5.4 dB (NEXT)	11/19/2022 07:19:15 PM
221-B	PASS	TIA Cat 6A Channel	178 ft	4.6 dB (NEXT)	11/19/2022 07:19:35 PM
21-A	PASS	TIA Cat 6A Channel	148 ft	3.2 dB (NEXT)	12/18/2022 11:43:00 AM
21-B	PASS	TIA Cat 6A Channel	148 ft	3.2 dB (NEXT)	12/18/2022 11:42:38 AM
214-B	PASS	TIA Cat 6A Channel	105 ft	4.8 dB (NEXT)	12/10/2022 05:15:53 PM
215-A	PASS	TIA Cat 6A Channel	213 ft	2.5 dB (NEXT)	12/10/2022 05:53:20 PM
215-B	PASS	TIA Cat 6A Channel	213 ft	5.0 dB (NEXT)	12/10/2022 05:54:55 PM
216-A	PASS	TIA Cat 6A Channel	165 ft	5.3 dB (NEXT)	12/10/2022 05:02:16 PM
216-B	PASS	TIA Cat 6A Channel	164 ft	5.3 dB (NEXT)	12/10/2022 05:03:14 PM
219-A	PASS	TIA Cat 6A Channel	151 ft	5.1 dB (NEXT)	12/10/2022 05:00:43 PM
219-B	PASS	TIA Cat 6A Channel	150 ft	5.1 dB (NEXT)	12/10/2022 05:01:06 PM
220-A	PASS	TIA Cat 6A Channel	132 ft	5.7 dB (NEXT)	12/10/2022 05:05:55 PM
220-B	PASS	TIA Cat 6A Channel	132 ft	5.6 dB (NEXT)	12/10/2022 05:06:18 PM
221-A	PASS	TIA Cat 6A Channel	144 ft	3.5 dB (NEXT)	12/10/2022 05:12:02 PM
221-B	PASS	TIA Cat 6A Channel	144 ft	4.8 dB (NEXT)	12/10/2022 05:10:33 PM
222-A	PASS	TIA Cat 6A Channel	66 ft	2.5 dB (NEXT)	12/10/2022 05:17:32 PM
222-A	PASS	TIA Cat 6A Channel	145 ft	4.2 dB (NEXT)	11/19/2022 07:20:49 PM
222-B	PASS	TIA Cat 6A Channel	143 ft	4.2 dB (NEXT)	11/19/2022 07:22:47 PM
223-A	PASS	TIA Cat 6A Channel	137 ft	4.7 dB (NEXT)	11/19/2022 07:26:05 PM
223-B	PASS	TIA Cat 6A Channel	137 ft	2.1 dB (NEXT)	11/19/2022 07:29:58 PM
228-A	PASS	TIA Cat 6A Channel	204 ft	2.1 dB (NEXT)	11/19/2022 07:33:11 PM
228-B	PASS	TIA Cat 6A Channel	201 ft	3.7 dB (NEXT)	11/19/2022 07:34:48 PM
229-A	PASS	TIA Cat 6A Channel	216 ft	4.4 dB (NEXT)	11/19/2022 07:41:50 PM
229-B	PASS	TIA Cat 6A Channel	215 ft	4.2 dB (NEXT)	11/19/2022 07:41:07 PM
230-A	PASS	TIA Cat 6A Channel	230 ft	2.6 dB (NEXT)	11/19/2022 07:45:48 PM
230-B	PASS	TIA Cat 6A Channel	230 ft	3.9 dB (NEXT)	11/19/2022 07:46:38 PM
248-A	PASS	TIA Cat 6A Channel	196 ft	4.7 dB (NEXT)	11/19/2022 06:49:46 PM
23-A	PASS	TIA Cat 6A Channel	66 ft	1.9 dB (NEXT)	11/23/2022 11:54:22 AM
23-B	PASS	TIA Cat 6A Channel	65 ft	2.4 dB (NEXT)	11/23/2022 11:56:14 AM
222-B	PASS	TIA Cat 6A Channel	59 ft	3.4 dB (NEXT)	12/10/2022 05:18:43 PM
230-A	PASS	TIA Cat 6A Channel	125 ft	4.5 dB (NEXT)	12/10/2022 05:21:32 PM
230-B	PASS	TIA Cat 6A Channel	125 ft	4.8 dB (NEXT)	12/10/2022 05:22:02 PM
232-A	PASS	TIA Cat 6A Channel	151 ft	5.8 dB (NEXT)	12/10/2022 05:24:00 PM
232-B	PASS	TIA Cat 6A Channel	151 ft	4.9 dB (NEXT)	12/10/2022 05:26:07 PM
237-A	PASS	TIA Cat 6A Channel	148 ft	5.7 dB (NEXT)	12/10/2022 05:36:31 PM
237-B	PASS	TIA Cat 6A Channel	147 ft	2.5 dB (NEXT)	12/10/2022 05:38:44 PM
2-A	PASS	TIA Cat 6A Channel	105 ft	4.5 dB (NEXT)	12/18/2022 01:35:06 PM
2-B	PASS	TIA Cat 6A Channel	103 ft	3.3 dB (NEXT)	12/18/2022 01:36:58 PM
5-A	PASS	TIA Cat 6A Channel	80 ft	1.5 dB (NEXT)	12/18/2022 01:58:23 PM
5-B	PASS	TIA Cat 6A Channel	78 ft	3.8 dB (NEXT)	12/18/2022 01:59:22 PM
248-B	PASS	TIA Cat 6A Channel	197 ft	4.6 dB (NEXT)	11/19/2022 06:50:11 PM
251-A	PASS	TIA Cat 6A Channel	209 ft	5.4 dB (NEXT)	11/19/2022 07:46:58 PM
251-B	PASS	TIA Cat 6A Channel	209 ft	5.0 dB (NEXT)	11/19/2022 07:49:39 PM
26-A	PASS	TIA Cat 6A Channel	200 ft	2.7 dB (NEXT)	12/18/2022 11:31:31 AM
26-B	PASS	TIA Cat 6A Channel	200 ft	1.8 dB (NEXT)	12/18/2022 11:39:11 AM
6-A	PASS	TIA Cat 6A Channel	116 ft	3.1 dB (NEXT)	12/18/2022 11:29:30 AM
6-B	PASS	TIA Cat 6A Channel	116 ft	2.6 dB (NEXT)	12/18/2022 11:29:50 AM
8-A	PASS	TIA Cat 6A Channel	85 ft	3.8 dB (NEXT)	12/18/2022 11:27:02 AM
256-1-A	PASS	TIA Cat 6A Channel	198 ft	4.8 dB (NEXT)	12/10/2022 06:00:27 PM
256-1-B	PASS	TIA Cat 6A Channel	189 ft	5.5 dB (NEXT)	12/10/2022 06:00:58 PM
256-2-A	PASS	TIA Cat 6A Channel	226 ft	4.6 dB (NEXT)	12/10/2022 05:56:07 PM
256-2-B	PASS	TIA Cat 6A Channel	225 ft	5.1 dB (NEXT)	12/10/2022 05:58:48 PM
257-1-A	PASS	TIA Cat 6A Channel	160 ft	4.2 dB (NEXT)	12/10/2022 06:04:08 PM
257-1-B	PASS	TIA Cat 6A Channel	159 ft	3.4 dB (NEXT)	12/10/2022 06:05:39 PM
257-2-A	PASS	TIA Cat 6A Channel	170 ft	4.8 dB (NEXT)	12/10/2022 06:03:36 PM
257-2-B	PASS	TIA Cat 6A Channel	174 ft	4.7 dB (NEXT)	12/10/2022 06:03:51 PM
B127-A	PASS	TIA Cat 6A Channel	182 ft	3.3 dB (NEXT)	11/25/2022 07:15:28 PM
B127-B	PASS	TIA Cat 6A Channel	180 ft	3.6 dB (NEXT)	11/25/2022 07:18:57 PM
B128-A	PASS	TIA Cat 6A Channel	181 ft	2.5 dB (NEXT)	11/25/2022 07:11:02 PM

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Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
B128-B	PASS	TIA Cat 6A Channel	183 ft	3.7 dB (NEXT)	11/25/2022 07:12:36 PM
9-A	PASS	TIA Cat 6A Channel	100 ft	4.5 dB (NEXT)	12/18/2022 02:05:54 PM
9-B	PASS	TIA Cat 6A Channel	99 ft	2.1 dB (NEXT)	12/18/2022 02:06:16 PM
B101-1-A	PASS	TIA Cat 6A Channel	252 ft	2.2 dB (NEXT)	11/21/2022 06:08:25 PM
B101-1-B	PASS	TIA Cat 6A Channel	251 ft	2.6 dB (NEXT)	11/21/2022 06:08:51 PM
B101-2-A	PASS	TIA Cat 6A Channel	210 ft	4.0 dB (NEXT)	11/21/2022 06:11:38 PM
B101-2-B	PASS	TIA Cat 6A Channel	209 ft	3.5 dB (NEXT)	11/21/2022 06:13:18 PM
B101-3-A	PASS	TIA Cat 6A Channel	202 ft	2.9 dB (NEXT)	11/21/2022 06:15:22 PM
B101-3-B	PASS	TIA Cat 6A Channel	202 ft	1.9 dB (NEXT)	11/21/2022 06:16:10 PM
B101-4-A	PASS	TIA Cat 6A Channel	218 ft	3.1 dB (NEXT)	11/21/2022 06:17:20 PM
B101-4-B	PASS	TIA Cat 6A Channel	221 ft	3.7 dB (NEXT)	11/21/2022 06:17:54 PM
B103-A	PASS	TIA Cat 6A Channel	286 ft	3.2 dB (NEXT)	11/21/2022 06:04:51 PM
B103-B	PASS	TIA Cat 6A Channel	287 ft	2.8 dB (NEXT)	11/21/2022 06:06:00 PM
8-B	PASS	TIA Cat 6A Channel	83 ft	4.1 dB (NEXT)	12/18/2022 11:28:43 AM
F105-1-A	PASS	TIA Cat 6A Channel	205 ft	4.3 dB (NEXT)	11/23/2022 03:47:26 PM
A136-A	PASS	TIA Cat 6A Channel	261 ft	3.8 dB (NEXT)	11/22/2022 03:27:14 PM
A136-B	PASS	TIA Cat 6A Channel	261 ft	4.5 dB (NEXT)	11/22/2022 03:28:17 PM
ID3-1-A	PASS	TIA Cat 6A Channel	145 ft	3.4 dB (NEXT)	11/25/2022 06:51:11 PM
IDF3-1-A	PASS	TIA Cat 6A Channel	145 ft	3.4 dB (NEXT)	11/25/2022 06:51:11 PM
IDF3-2-A	PASS	TIA Cat 6A Channel	144 ft	1.4 dB (NEXT)	11/25/2022 06:53:51 PM
IDF121-1	PASS	TIA Cat 6A Channel	319 ft	3.7 dB (NEXT)	11/27/2022 01:11:03 PM
IDF121-2	PASS	TIA Cat 6A Channel	317 ft	3.2 dB (NEXT)	11/27/2022 01:12:50 PM
F105-1-B	PASS	TIA Cat 6A Channel	205 ft	3.6 dB (NEXT)	11/23/2022 03:55:43 PM
F105-2-A	PASS	TIA Cat 6A Channel	242 ft	3.7 dB (NEXT)	11/23/2022 04:03:07 PM
F105-2-B	PASS	TIA Cat 6A Channel	242 ft	3.9 dB (NEXT)	11/23/2022 04:03:44 PM
GHALL-1-A	PASS	TIA Cat 6A Channel	82 ft	3.3 dB (NEXT)	12/18/2022 05:27:12 PM
GHALL-1-B	PASS	TIA Cat 6A Channel	81 ft	3.4 dB (NEXT)	12/18/2022 05:27:45 PM
GHALL-2-A	PASS	TIA Cat 6A Channel	49 ft	3.2 dB (NEXT)	12/18/2022 05:23:03 PM
GHALL-2-B	PASS	TIA Cat 6A Channel	50 ft	3.0 dB (NEXT)	12/18/2022 05:23:30 PM
GHALL-3-A	PASS	TIA Cat 6A Channel	73 ft	4.2 dB (NEXT)	12/18/2022 05:13:37 PM
GHALL-3-B	PASS	TIA Cat 6A Channel	73 ft	2.4 dB (NEXT)	12/18/2022 05:15:49 PM
M.HALL-A	PASS	TIA Cat 6A Channel	197 ft	4.1 dB (NEXT)	11/12/2022 03:34:03 PM
M.HALL-B	PASS	TIA Cat 6A Channel	193 ft	5.3 dB (NEXT)	11/19/2022 04:52:54 PM

LinkWare™ Live

Total Length:	177744 ft
No of Reports:	1036
No of Passing Reports:	1036
No of Failing Reports:	0
No of Warning Reports:	0
Documentation only:	0

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 12/04/2022 11:30:38 AM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	113
Prop. Delay (ns), Limit 555	[Pair 4,5]	178
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	32.6
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	3.6	6.3	5.1
Freq. (MHz)	182.0	157.0	396.0	499.0
Limit (dB)	35.5	36.6	28.9	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	4.4	4.9	8.8	6.7
Freq. (MHz)	163.5	150.5	454.0	499.0
Limit (dB)	33.4	34.0	24.3	23.3

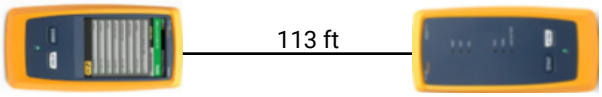
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	1,2-3,6	7,8-3,6
ACR-F (dB)	10.0	10.3	12.6	10.9
Freq. (MHz)	3.1	3.1	479.0	402.0
Limit (dB)	53.4	53.4	9.7	11.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	12.0	11.4	14.9	12.9
Freq. (MHz)	331.0	6.4	500.0	402.0
Limit (dB)	9.9	44.2	6.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	10.4	9.5	41.9	38.9
Freq. (MHz)	3.4	3.1	471.0	499.0
Limit (dB)	60.4	61.1	-20.9	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.7	10.7	43.8	39.9
Freq. (MHz)	5.6	3.1	500.0	499.0
Limit (dB)	53.2	58.3	-26.1	-26.0

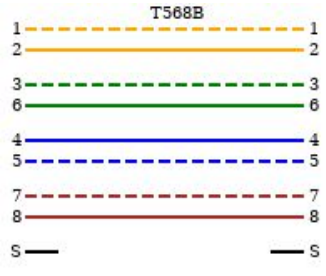
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.9	4.3	4.9	6.9
Freq. (MHz)	496.0	123.5	496.0	483.0
Limit (dB)	6.0	11.1	6.0	6.0

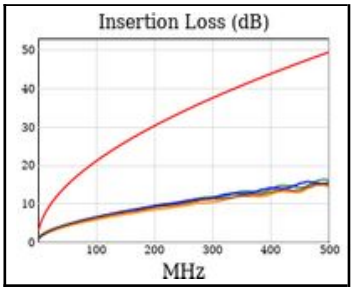
Compliant Network Standards:

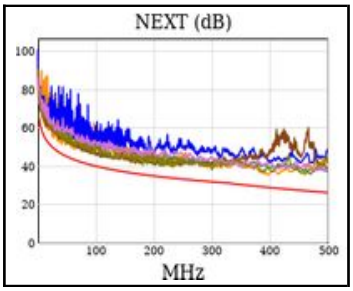
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

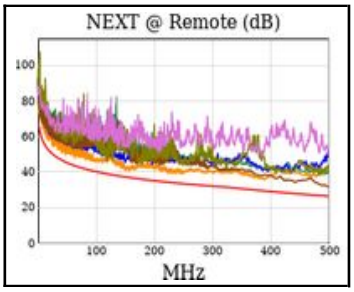


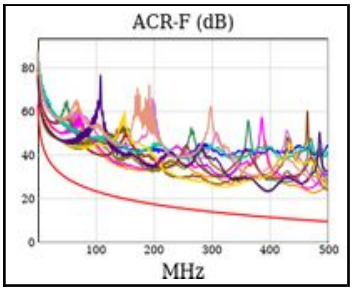
PASS

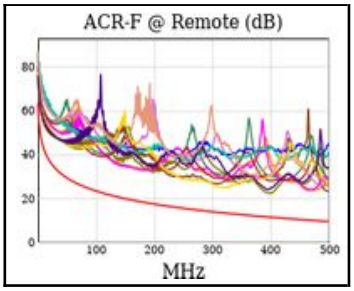


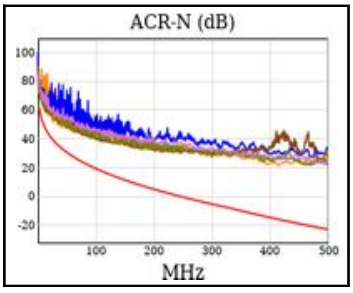


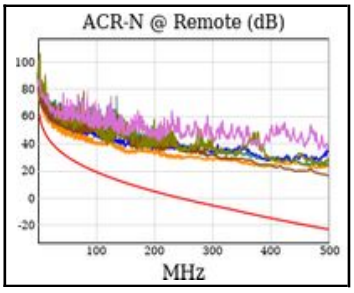


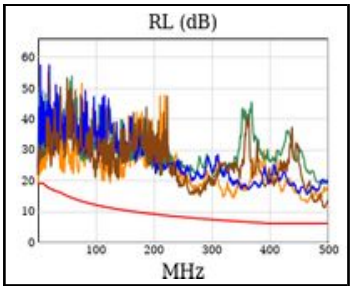


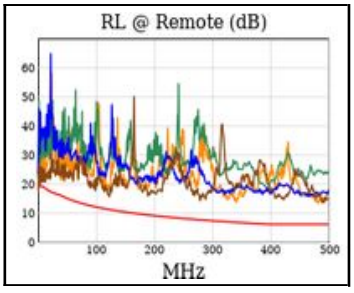












FLUKE networks

LinkWare Live

Cable ID: 101-B

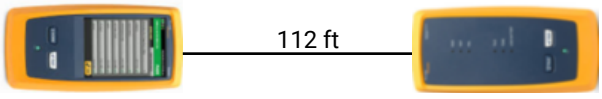
Test Summary: PASS

Date / Time: 12/04/2022 11:31:01 AM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

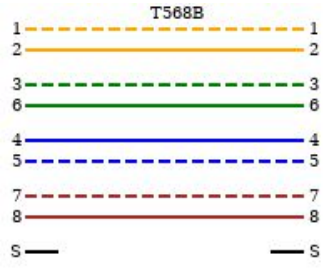
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

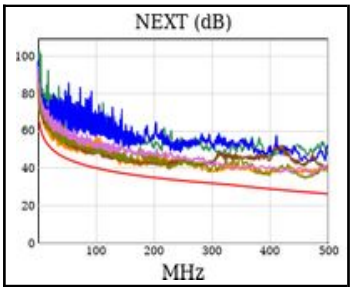
Length (ft), Limit 328	[Pair 1,2]	112
Prop. Delay (ns), Limit 555	[Pair 4,5]	178
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	32.7
Frequency (MHz)	[Pair 3,6]	487.0
Limit (dB)	[Pair 3,6]	48.6

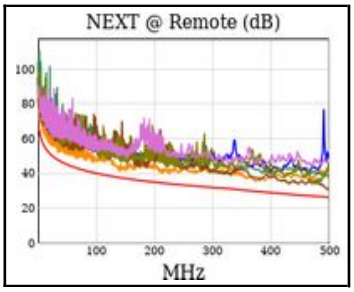


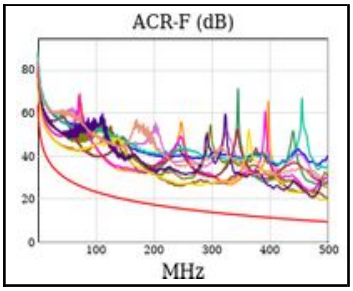
PASS

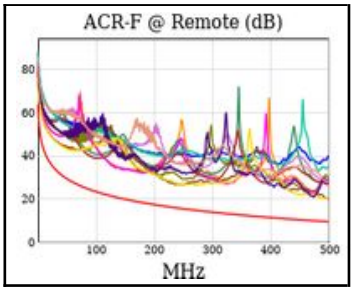


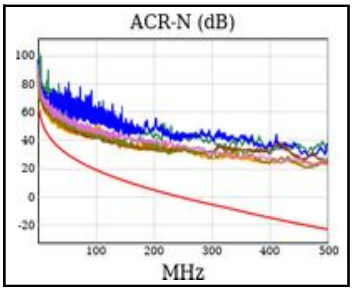


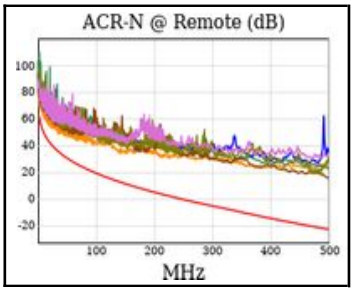


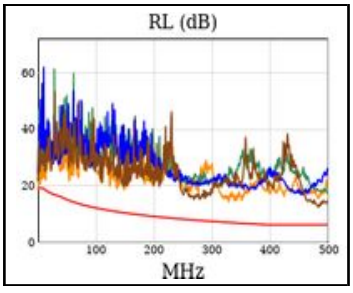


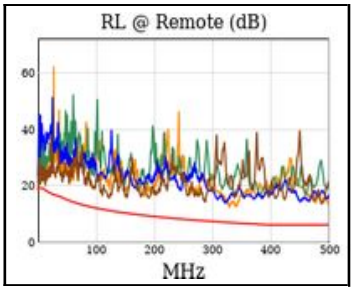












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	3.4	7.1	4.3
Freq. (MHz)	35.3	141.5	461.0	498.0
Limit (dB)	47.5	37.4	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.1	5.2	7.7	6.2
Freq. (MHz)	141.5	141.5	461.0	499.0
Limit (dB)	34.5	34.5	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.3	9.8	10.3
Freq. (MHz)	499.0	500.0	499.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	11.0	9.8	11.0
Freq. (MHz)	475.0	471.0	475.0	471.0
Limit (dB)	6.7	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.2	8.3	41.3	38.2
Freq. (MHz)	3.4	3.4	474.0	498.0
Limit (dB)	60.4	60.4	-21.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	9.8	42.0	39.7
Freq. (MHz)	3.0	3.4	481.0	499.0
Limit (dB)	58.4	57.9	-24.6	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.0	4.3	6.0	5.0
Freq. (MHz)	485.0	123.5	485.0	330.0
Limit (dB)	6.0	11.1	6.0	6.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 12/17/2022 03:26:32 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	62
Prop. Delay (ns), Limit 555	[Pair 4,5]	98
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 1,2]	38.9
Frequency (MHz)	[Pair 1,2]	493.0
Limit (dB)	[Pair 1,2]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	3.5	3.9	4.6	4.4
Freq. (MHz)	308.0	306.0	480.0	400.0
Limit (dB)	31.5	31.6	26.6	28.7
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.8	4.0	5.4	5.5
Freq. (MHz)	62.5	288.0	481.0	400.0
Limit (dB)	40.6	29.1	23.7	25.8

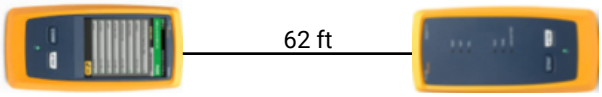
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	12.0	12.4	12.9	13.1
Freq. (MHz)	187.0	187.0	498.0	498.0
Limit (dB)	17.8	17.8	9.3	9.3
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	12.8	13.3	14.1	15.2
Freq. (MHz)	51.3	1.3	500.0	498.0
Limit (dB)	26.1	58.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	4,5-7,8
ACR-N (dB)	9.8	10.5	44.2	46.5
Freq. (MHz)	5.6	5.0	480.0	485.0
Limit (dB)	55.8	56.9	-21.6	-22.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.1	9.7	45.1	41.2
Freq. (MHz)	5.9	5.4	481.0	400.0
Limit (dB)	52.8	53.7	-24.6	-17.9

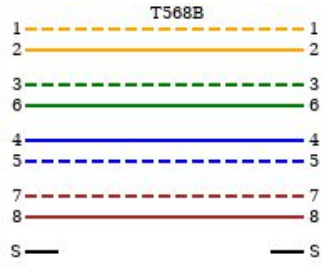
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.7	4.2	4.7	4.2
Freq. (MHz)	498.0	493.0	498.0	493.0
Limit (dB)	6.0	6.0	6.0	6.0

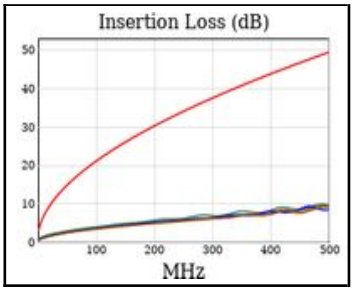
Compliant Network Standards:

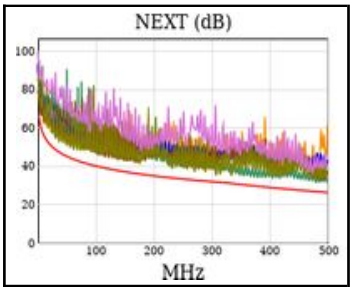
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

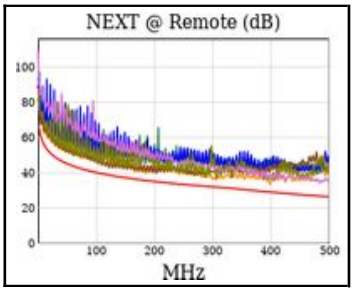


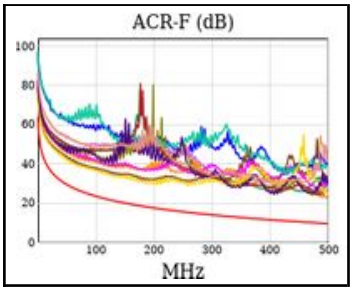
PASS

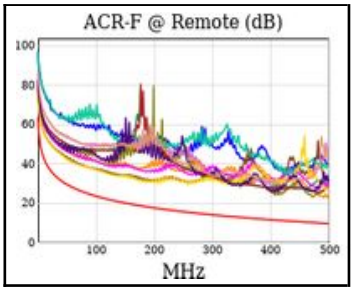


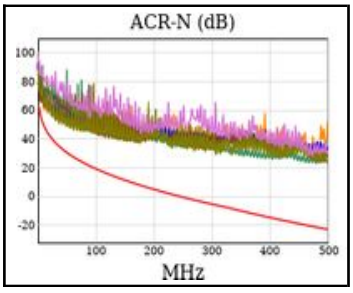


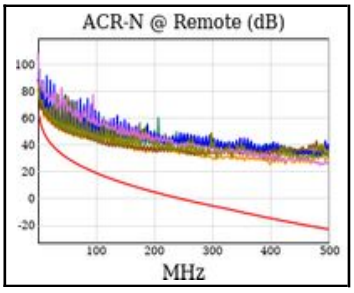


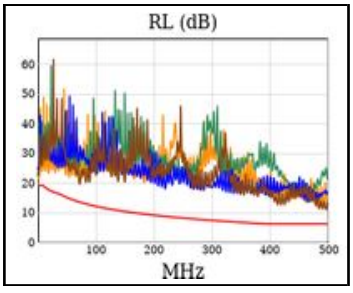


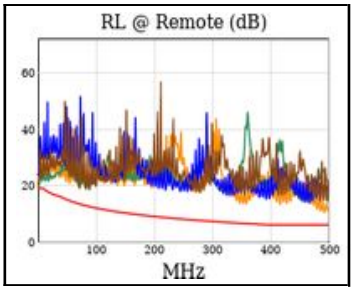












FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 12/19/2022 03:19:15 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	91
Prop. Delay (ns), Limit 555	[Pair 4,5]	143
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	35.2
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.0	6.1	8.4	7.2
Freq. (MHz)	227.0	297.0	467.0	497.0
Limit (dB)	33.8	31.8	26.9	26.2
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	4.1	7.5	9.3	7.8
Freq. (MHz)	227.0	297.0	466.0	492.0
Limit (dB)	30.9	28.8	24.0	23.4

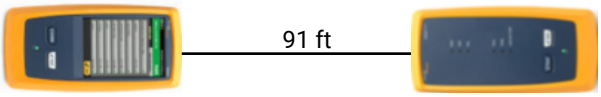
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.8	11.4	11.8	11.6
Freq. (MHz)	500.0	452.0	500.0	500.0
Limit (dB)	9.3	10.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.7	12.1	12.5
Freq. (MHz)	5.3	1.1	500.0	500.0
Limit (dB)	45.9	59.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.3	10.3	45.3	44.0
Freq. (MHz)	3.5	3.6	495.0	497.0
Limit (dB)	60.1	59.8	-22.8	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	10.8	44.2	44.0
Freq. (MHz)	3.5	3.6	466.0	497.0
Limit (dB)	57.6	57.3	-23.4	-25.8

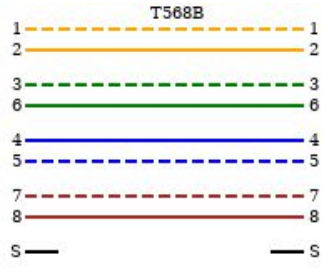
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	7.4	5.3	7.4	5.5
Freq. (MHz)	499.0	58.0	499.0	479.0
Limit (dB)	6.0	14.4	6.0	6.0

Compliant Network Standards:

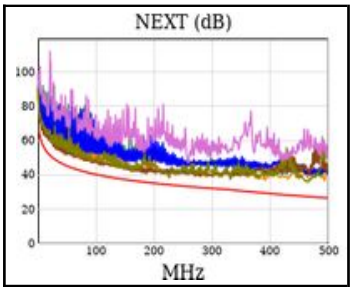
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

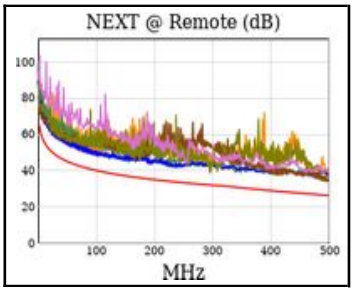


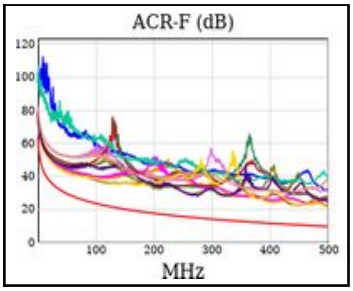
PASS

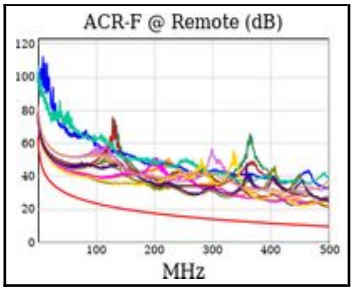


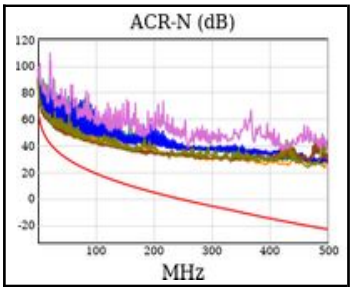


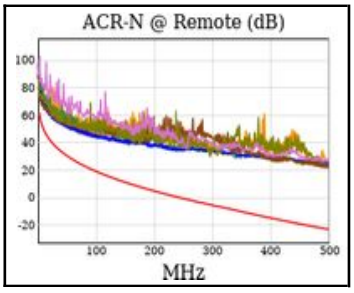


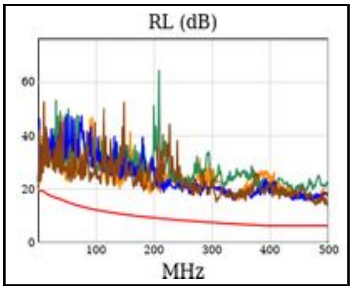


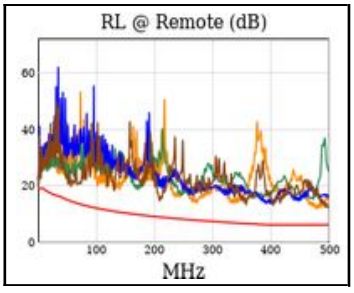












FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 11/26/2022 02:17:01 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	130
Prop. Delay (ns), Limit 555	[Pair 3,6]	202
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	4.9	5.3	5.3
Freq. (MHz)	247.0	161.5	464.0	498.0
Limit (dB)	33.2	36.4	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	6.7	8.1	7.0
Freq. (MHz)	246.5	227.5	500.0	496.0
Limit (dB)	30.3	30.9	23.2	23.3

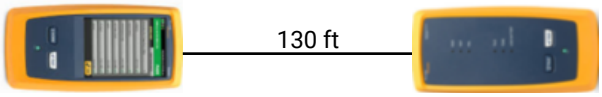
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.2	10.9	10.2
Freq. (MHz)	375.0	381.0	381.0	381.0
Limit (dB)	11.8	11.6	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.6	11.8	12.4
Freq. (MHz)	327.0	1.0	399.0	394.0
Limit (dB)	10.0	60.3	8.2	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	9.5	37.5	36.6
Freq. (MHz)	5.4	5.3	489.0	498.0
Limit (dB)	56.2	56.4	-22.3	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	11.1	38.9	37.5
Freq. (MHz)	5.1	5.3	500.0	496.0
Limit (dB)	54.1	53.9	-26.1	-25.8

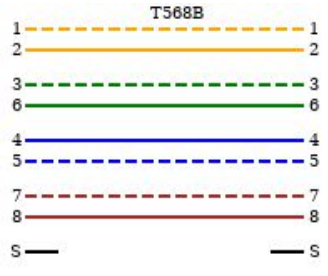
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	3.0	4.1	3.0	7.6
Freq. (MHz)	283.0	24.3	283.0	489.0
Limit (dB)	7.5	17.1	7.5	6.0

Compliant Network Standards:

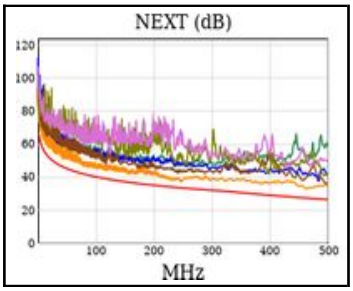
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

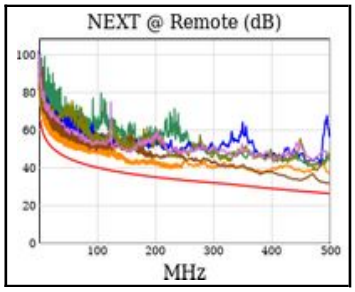


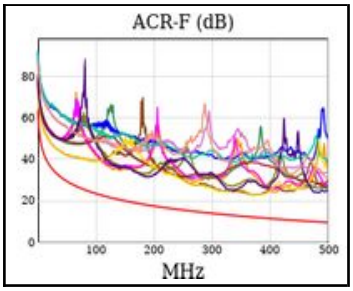
PASS

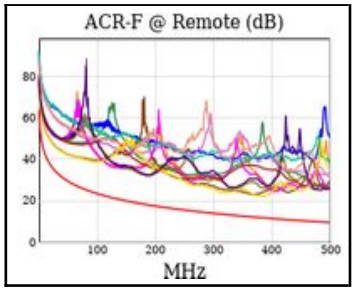


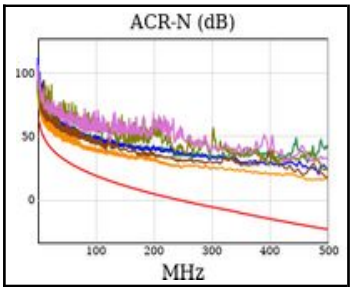


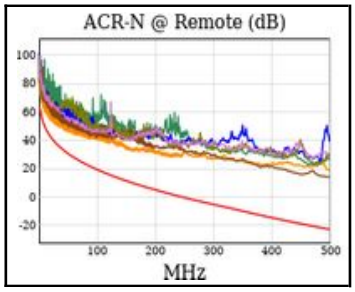


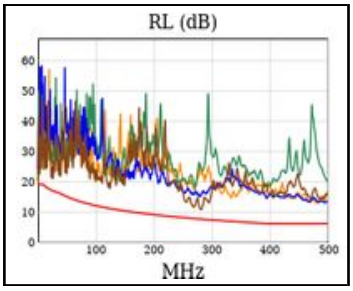


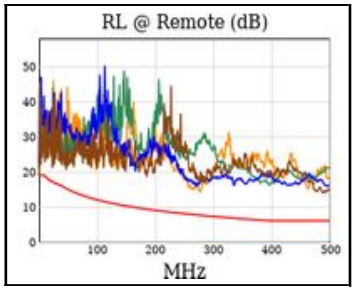












FLUKE networks

LinkWare Live

Cable ID: 101-A

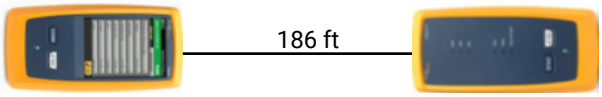
Test Summary: PASS

Date / Time: 11/26/2022 01:24:31 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

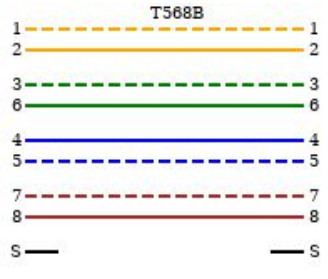
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

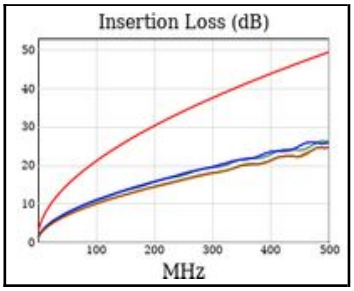
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

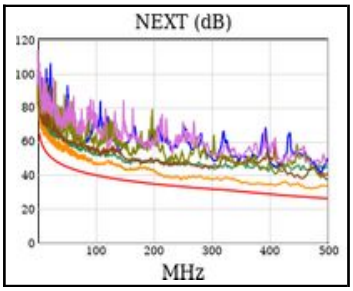
Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 3,6]	287
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	23.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

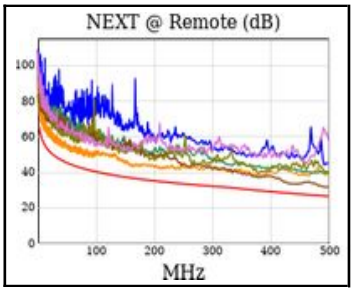


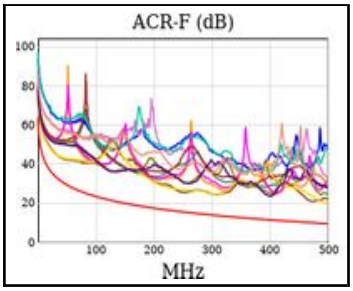
PASS

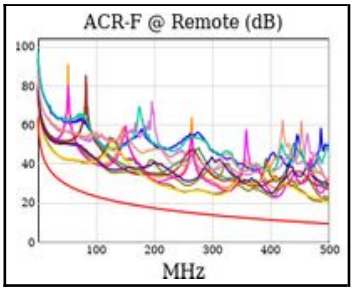


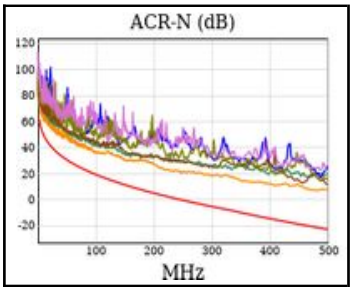


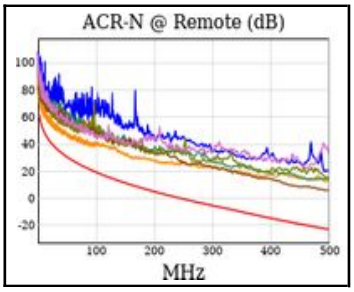


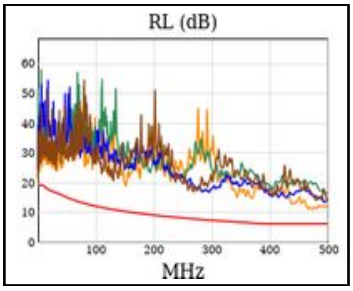


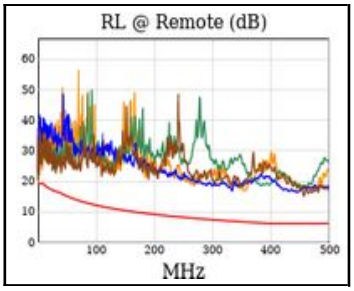












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	5.0	5.2	5.1
Freq. (MHz)	247.5	497.0	472.0	500.0
Limit (dB)	33.2	26.2	26.8	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.4	6.5	8.2	6.7
Freq. (MHz)	247.5	494.0	500.0	500.0
Limit (dB)	30.2	23.4	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.2	10.4	10.7
Freq. (MHz)	254.0	254.0	500.0	500.0
Limit (dB)	15.2	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.2	12.4	11.2
Freq. (MHz)	8.1	489.0	500.0	489.0
Limit (dB)	42.1	6.5	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	9.6	28.2	28.6
Freq. (MHz)	5.6	5.5	479.0	500.0
Limit (dB)	55.8	56.0	-21.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	11.0	31.4	29.9
Freq. (MHz)	5.4	3.8	500.0	500.0
Limit (dB)	53.7	57.0	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.9	5.9	4.9	8.7
Freq. (MHz)	473.0	31.5	473.0	458.0
Limit (dB)	6.0	16.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 12/04/2022 01:56:21 PM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	112
Prop. Delay (ns), Limit 555	[Pair 4,5]	178
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	6.6
Insertion Loss Margin (dB)	[Pair 4,5]	33.0
Frequency (MHz)	[Pair 4,5]	493.0
Limit (dB)	[Pair 4,5]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	1.8	7.6	5.4
Freq. (MHz)	3.0	223.5	465.0	499.0
Limit (dB)	65.0	34.0	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.5	2.7	7.6	5.2
Freq. (MHz)	6.0	201.0	465.0	491.0
Limit (dB)	57.7	31.8	24.1	23.4

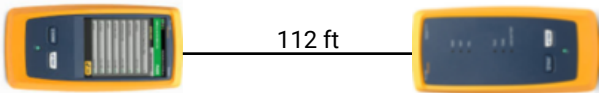
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	12.1	11.3	12.2	11.3
Freq. (MHz)	484.0	484.0	500.0	484.0
Limit (dB)	9.6	9.6	9.3	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	12.0	11.6	12.0
Freq. (MHz)	485.0	469.0	485.0	469.0
Limit (dB)	6.5	6.8	6.5	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	6.7	7.0	41.7	38.9
Freq. (MHz)	3.0	3.0	468.0	499.0
Limit (dB)	61.4	61.4	-20.7	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.4	7.7	40.5	38.1
Freq. (MHz)	3.0	3.1	465.0	491.0
Limit (dB)	58.4	58.3	-23.3	-25.4

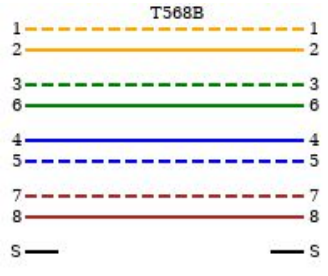
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.1	5.2	5.1	8.0
Freq. (MHz)	498.0	37.3	498.0	491.0
Limit (dB)	6.0	16.1	6.0	6.0

Compliant Network Standards:

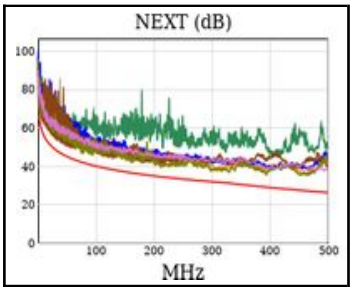
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

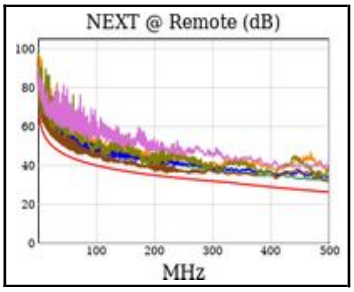


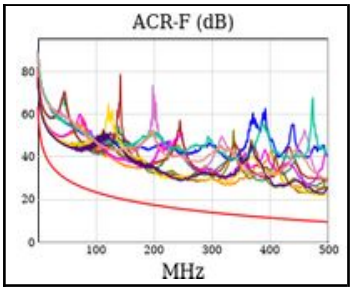
PASS

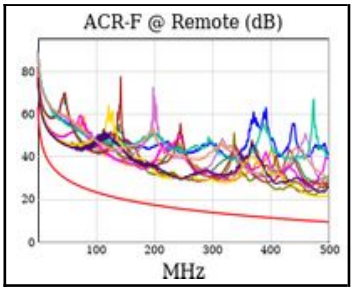


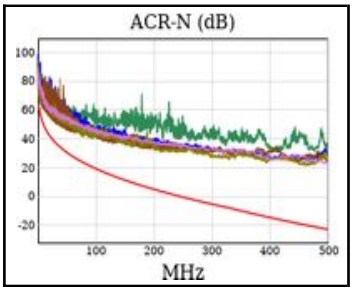


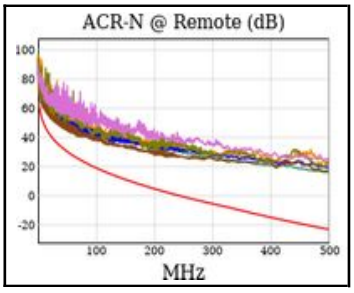


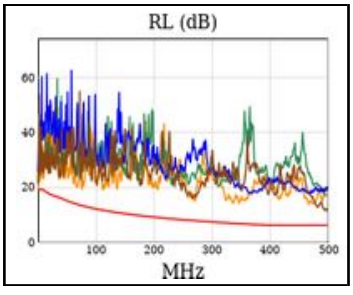


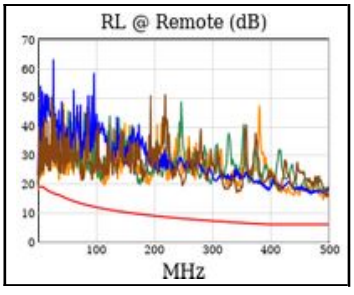












FLUKE networks

LinkWare Live

Cable ID: 101-A

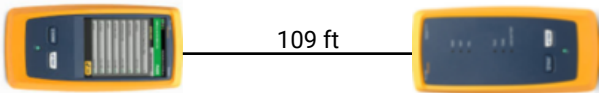
Test Summary: PASS

Date / Time: 11/27/2022 11:23:57 AM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

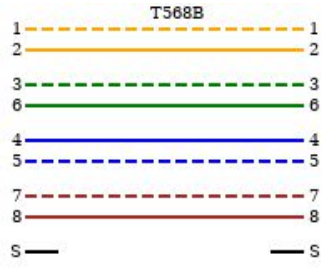
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

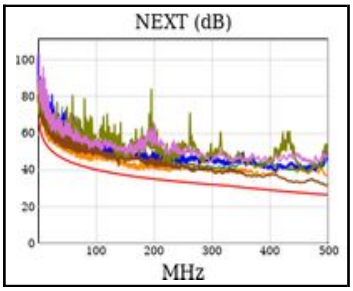
Length (ft), Limit 328	[Pair 1,2]	109
Prop. Delay (ns), Limit 555	[Pair 4,5]	173
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	6.0
Insertion Loss Margin (dB)	[Pair 3,6]	33.1
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

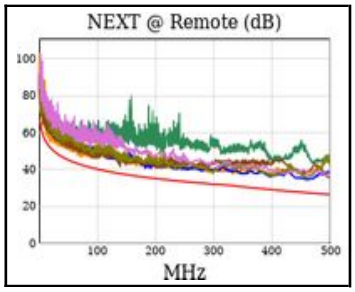


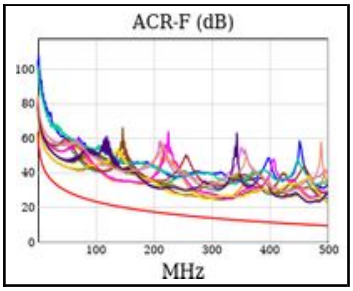
PASS

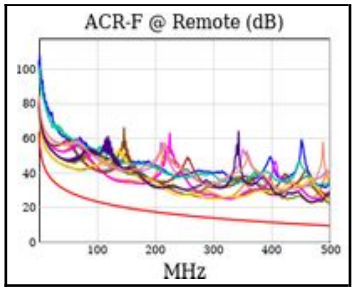


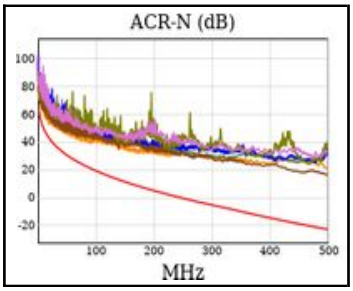


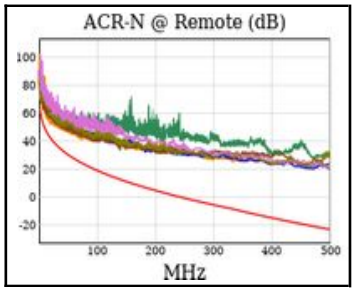


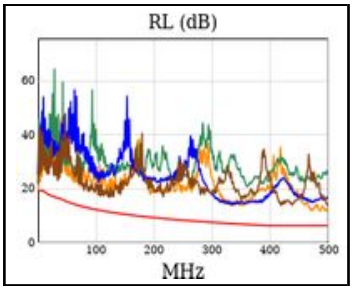


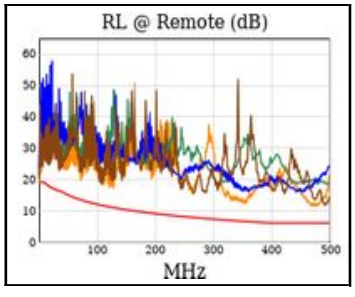












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-7,8
NEXT (dB)	3.2	2.9	4.7	7.0
Freq. (MHz)	19.9	19.9	497.0	462.0
Limit (dB)	51.7	51.7	26.2	27.0
Worst Pair	1,2	3,6	3,6	7,8
PS NEXT (dB)	4.3	4.1	6.4	6.9
Freq. (MHz)	19.9	140.0	497.0	463.0
Limit (dB)	49.0	34.5	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	10.6	10.9	12.8	13.0
Freq. (MHz)	291.0	291.0	471.0	498.0
Limit (dB)	14.0	14.0	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.3	13.7	13.3
Freq. (MHz)	300.0	291.0	471.0	487.0
Limit (dB)	10.7	11.0	6.8	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-7,8
ACR-N (dB)	7.9	7.9	38.8	40.8
Freq. (MHz)	6.5	6.5	497.0	472.0
Limit (dB)	54.4	54.4	-23.0	-21.0
Worst Pair	1,2	1,2	3,6	7,8
PS ACR-N (dB)	9.0	9.2	39.7	40.5
Freq. (MHz)	6.6	6.6	497.0	470.0
Limit (dB)	51.7	51.7	-25.8	-23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.1	5.2	5.1	5.2
Freq. (MHz)	498.0	478.0	498.0	478.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

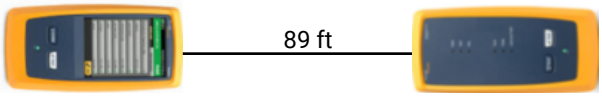
Test Summary: PASS

Date / Time: 12/11/2022 11:25:55 AM
Headroom: 2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

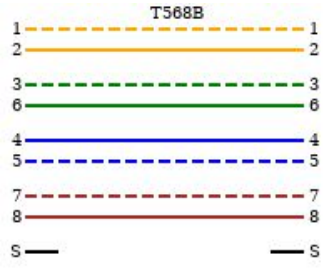
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

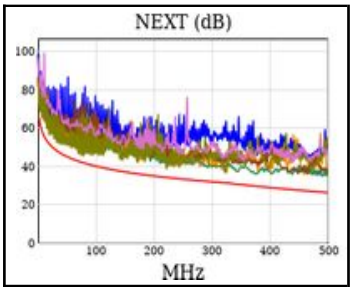
Length (ft), Limit 328	[Pair 7,8]	89
Prop. Delay (ns), Limit 555	[Pair 4,5]	139
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.7
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

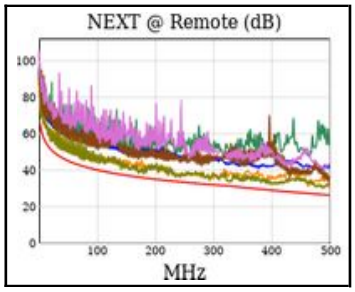


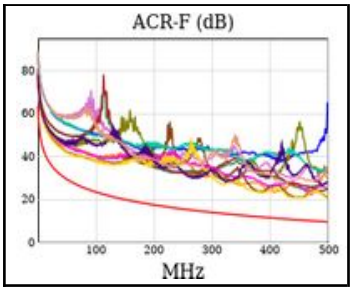
PASS

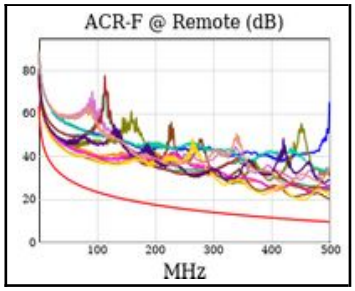


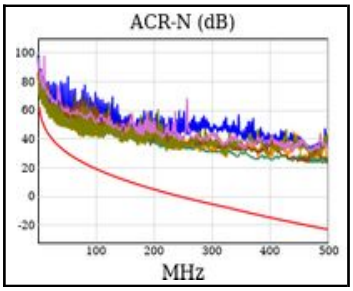


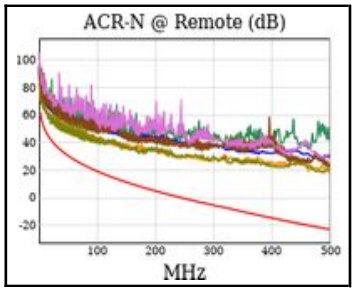


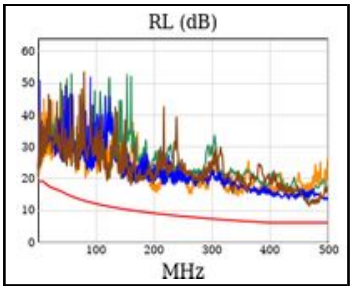


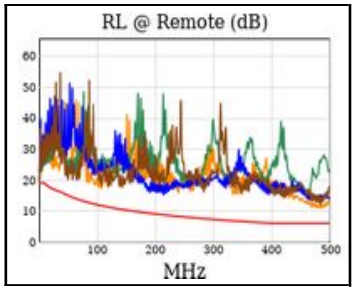












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-4,5	1,2-3,6
NEXT (dB)	3.5	2.0	8.2	3.6
Freq. (MHz)	75.5	294.0	498.0	500.0
Limit (dB)	42.0	31.9	26.1	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.6	2.5	8.8	3.8
Freq. (MHz)	70.8	243.0	498.0	500.0
Limit (dB)	39.7	30.4	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.4	10.3	9.5
Freq. (MHz)	440.0	457.0	449.0	461.0
Limit (dB)	10.4	10.1	10.2	10.0
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.5	10.9	11.8	10.9
Freq. (MHz)	1.4	453.0	464.0	453.0
Limit (dB)	57.5	7.1	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-4,5	1,2-3,6
ACR-N (dB)	9.1	9.4	45.5	40.2
Freq. (MHz)	3.9	3.8	498.0	500.0
Limit (dB)	59.2	59.5	-23.1	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.0	9.0	46.1	40.4
Freq. (MHz)	3.9	3.8	498.0	500.0
Limit (dB)	56.7	57.0	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.1	4.7	5.1	4.7
Freq. (MHz)	469.0	486.0	469.0	486.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 100-A

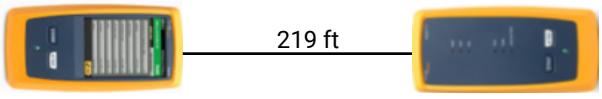
Test Summary: PASS

Date / Time: 12/10/2022 01:08:14 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

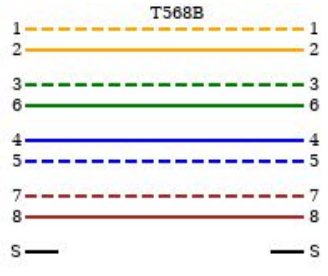
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

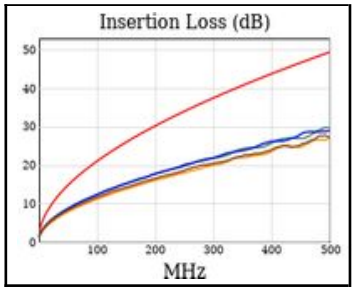
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	346
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 7,8]	18.7
Insertion Loss Margin (dB)	[Pair 3,6]	19.3
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

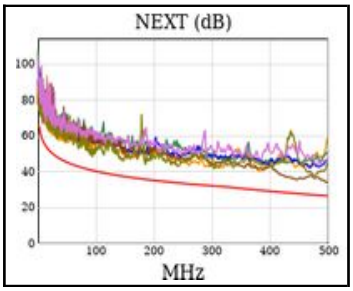


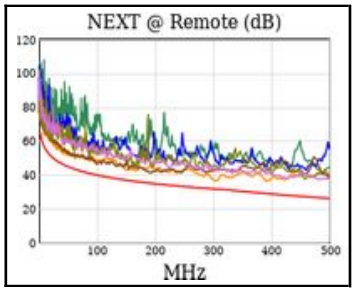
PASS



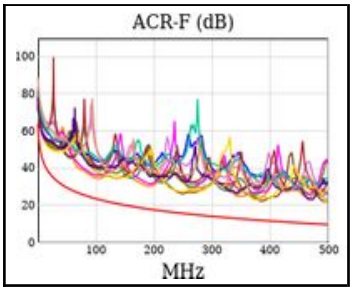


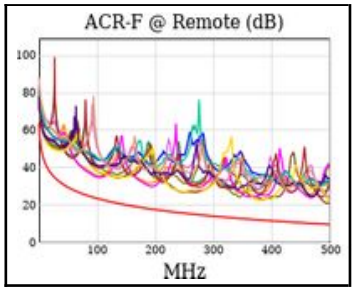
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.5	4.8	7.6	7.3
Freq. (MHz)	94.8	303.0	500.0	392.0
Limit (dB)	40.3	31.7	26.1	29.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.4	5.9	9.7	10.9
Freq. (MHz)	9.3	165.5	496.0	500.0
Limit (dB)	54.6	33.3	23.3	23.2



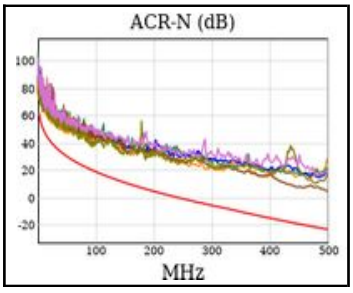


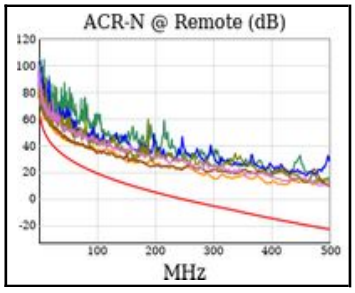
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.3	11.2	11.2
Freq. (MHz)	387.0	379.0	500.0	500.0
Limit (dB)	11.5	11.7	9.3	9.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.7	11.0	11.8	12.6
Freq. (MHz)	1.8	3.3	500.0	500.0
Limit (dB)	55.4	50.0	6.3	6.3



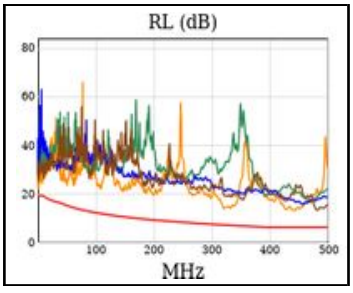


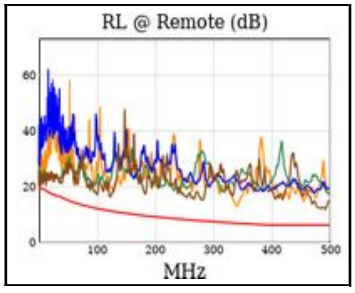
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	8.6	27.9	32.1
Freq. (MHz)	3.0	2.9	500.0	498.0
Limit (dB)	61.4	61.4	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	7.9	29.0	30.5
Freq. (MHz)	2.9	3.0	496.0	500.0
Limit (dB)	58.4	58.4	-25.8	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.0	1.9	7.0	5.6
Freq. (MHz)	8.5	8.4	445.0	493.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 100-B

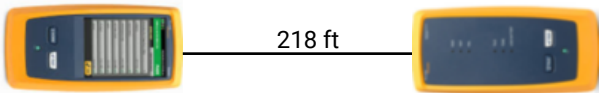
Test Summary: PASS

Date / Time: 12/10/2022 01:08:42 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

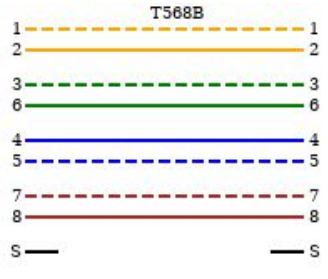
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

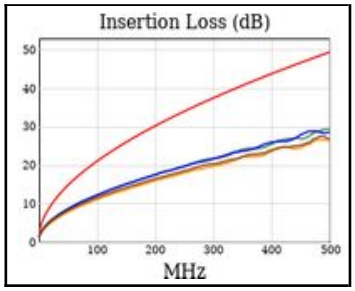
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

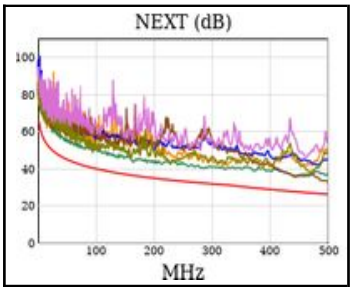
Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	343
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	17.9
Insertion Loss Margin (dB)	[Pair 3,6]	20.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

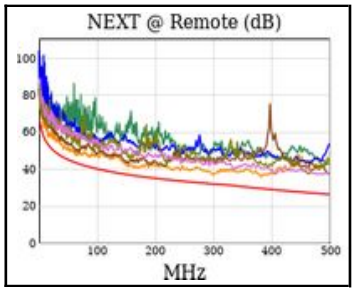


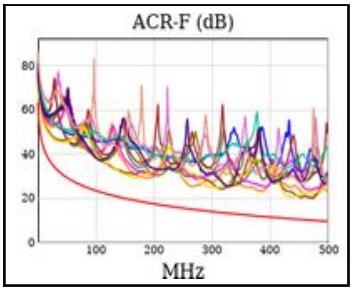
PASS

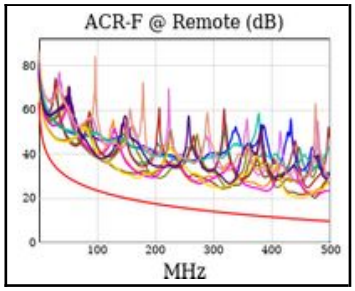


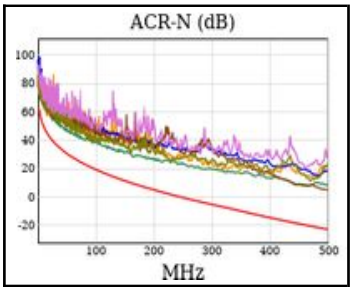


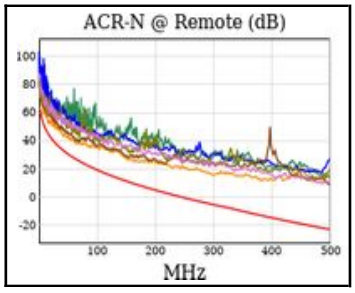


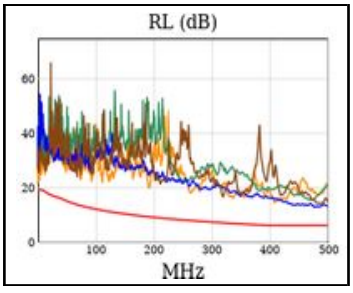


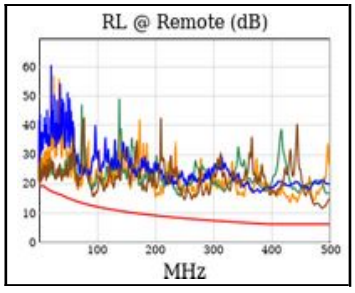












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.7	4.0	6.7	6.3
Freq. (MHz)	500.0	66.3	500.0	383.0
Limit (dB)	26.1	43.0	26.1	29.2
Worst Pair	4,5	3,6	4,5	4,5
PS NEXT (dB)	8.0	4.3	8.3	10.3
Freq. (MHz)	445.0	154.0	500.0	500.0
Limit (dB)	24.6	33.8	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.8	9.9	10.2
Freq. (MHz)	475.0	452.0	475.0	475.0
Limit (dB)	9.7	10.2	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.8	11.1	10.8
Freq. (MHz)	462.0	475.0	470.0	475.0
Limit (dB)	7.0	6.7	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.3	7.3	27.4	31.6
Freq. (MHz)	2.8	16.4	500.0	500.0
Limit (dB)	61.5	44.8	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.8	7.9	29.0	31.0
Freq. (MHz)	4.5	4.4	500.0	500.0
Limit (dB)	55.3	55.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	6.3	2.5	6.7	5.5
Freq. (MHz)	13.3	6.9	478.0	488.0
Limit (dB)	18.4	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 11/21/2022 05:34:44 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	187
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	8.8
Insertion Loss Margin (dB)	[Pair 3,6]	22.9
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.8	3.5	3.8	5.9
Freq. (MHz)	490.0	239.0	490.0	500.0
Limit (dB)	26.3	33.5	26.3	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	4.7	5.9	7.2
Freq. (MHz)	214.5	239.0	490.0	500.0
Limit (dB)	31.3	30.5	23.5	23.2

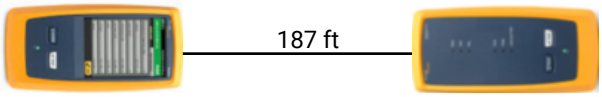
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.0	8.5	10.1	8.7
Freq. (MHz)	254.0	254.0	494.0	494.0
Limit (dB)	15.2	15.2	9.4	9.4
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	10.5	10.7	11.3	10.9
Freq. (MHz)	258.0	254.0	460.0	494.0
Limit (dB)	12.0	12.2	7.0	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.1	10.2	27.9	29.8
Freq. (MHz)	9.0	13.0	490.0	500.0
Limit (dB)	51.2	47.3	-22.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	10.5	29.0	31.1
Freq. (MHz)	7.3	5.3	493.0	500.0
Limit (dB)	50.8	53.9	-25.5	-26.1

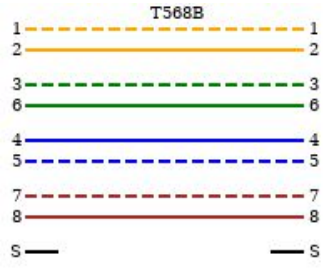
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	3.2	2.8	3.2	5.1
Freq. (MHz)	488.0	71.3	488.0	472.0
Limit (dB)	6.0	13.5	6.0	6.0

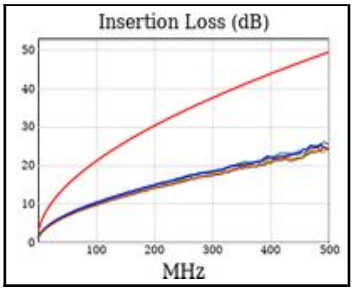
Compliant Network Standards:

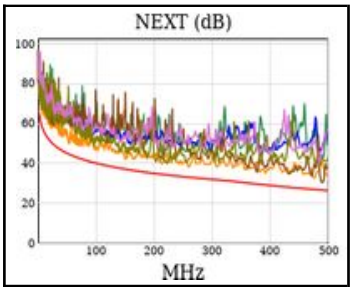
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

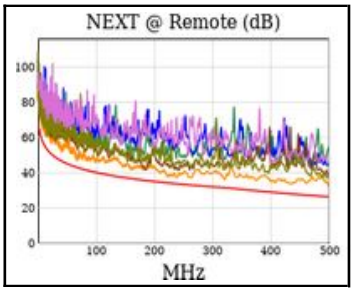


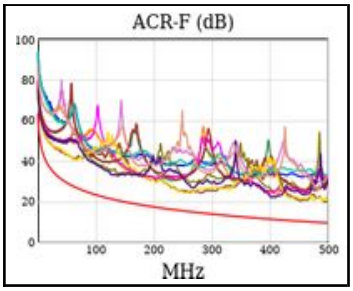
PASS

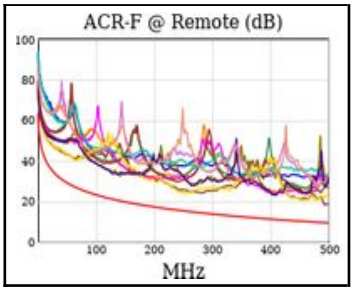


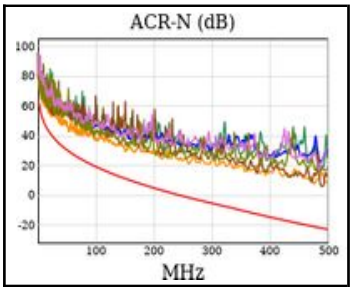


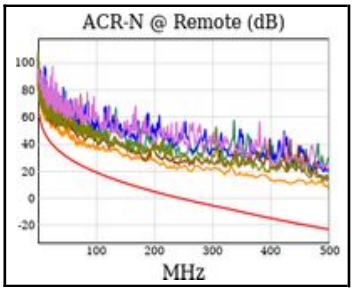


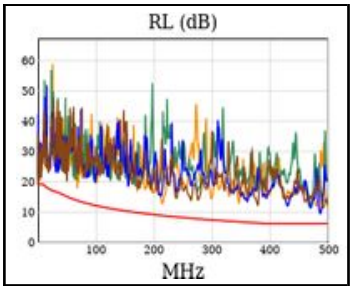


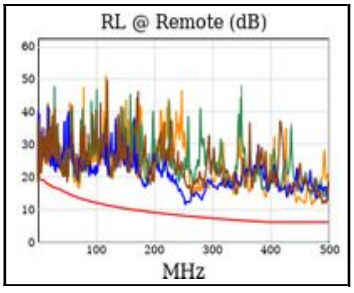












FLUKE networks

LinkWare Live

Cable ID: 101-B

Test Summary: PASS

Date / Time: 11/21/2022 05:35:09 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	295
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.9
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	4.1	4.0	4.2
Freq. (MHz)	438.0	457.0	500.0	458.0
Limit (dB)	27.7	27.2	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	5.9	6.4	5.9
Freq. (MHz)	442.0	458.0	500.0	458.0
Limit (dB)	24.6	24.2	23.2	24.2

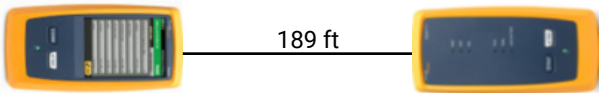
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	9.8	9.9	9.9
Freq. (MHz)	446.0	495.0	493.0	498.0
Limit (dB)	10.3	9.4	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.8	11.1	12.1
Freq. (MHz)	5.8	6.0	493.0	499.0
Limit (dB)	45.1	44.7	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.6	9.9	28.4	29.6
Freq. (MHz)	5.3	9.0	500.0	493.0
Limit (dB)	56.4	51.2	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.6	29.8	30.4
Freq. (MHz)	5.3	3.5	500.0	493.0
Limit (dB)	53.9	57.6	-26.1	-25.5

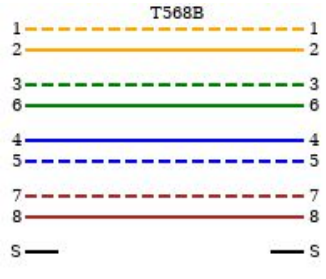
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	3,6
RL (dB)	6.2	5.1	7.0	7.8
Freq. (MHz)	92.0	50.3	437.0	500.0
Limit (dB)	12.4	15.0	6.0	6.0

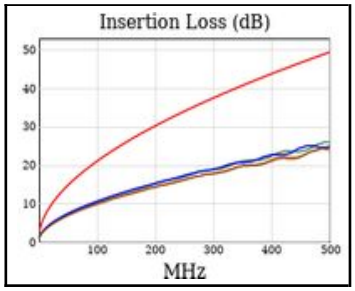
Compliant Network Standards:

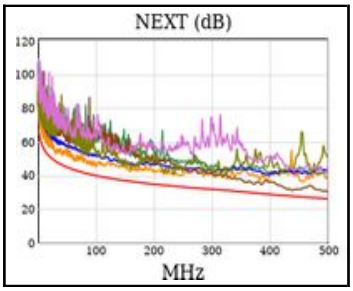
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

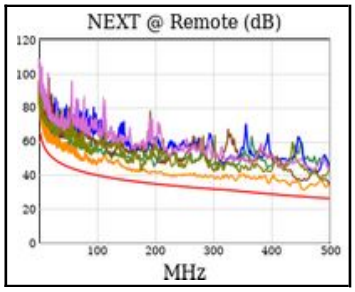


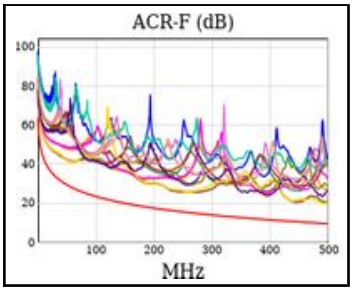
PASS

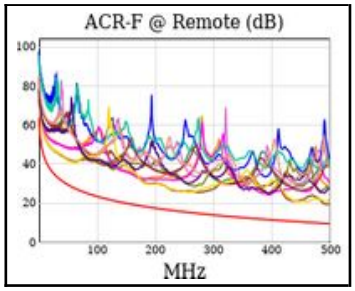


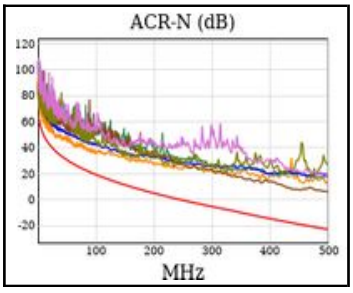


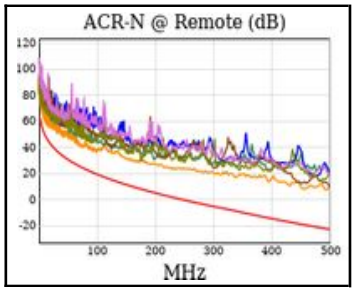


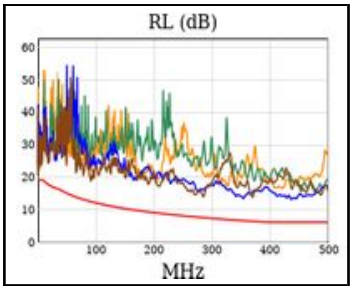


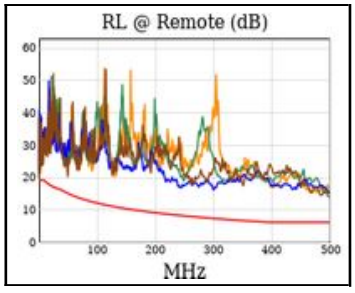












FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 11/22/2022 04:33:53 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	101
Prop. Delay (ns), Limit 555	[Pair 3,6]	157
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.2
Insertion Loss Margin (dB)	[Pair 3,6]	33.9
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.5	3.5	8.0	6.3
Freq. (MHz)	97.0	86.3	465.0	389.0
Limit (dB)	40.2	41.0	27.0	29.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	3.0	8.9	6.1
Freq. (MHz)	86.0	115.0	457.0	382.0
Limit (dB)	38.2	36.0	24.3	26.3

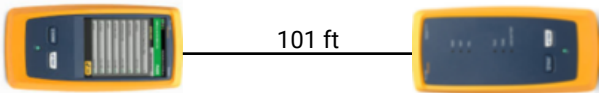
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.8	10.1	9.9
Freq. (MHz)	468.0	455.0	468.0	461.0
Limit (dB)	9.9	10.1	9.9	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.1	12.1	11.3
Freq. (MHz)	1.4	1.1	496.0	469.0
Limit (dB)	57.5	59.2	6.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	8.7	44.7	38.7
Freq. (MHz)	3.5	3.4	500.0	422.0
Limit (dB)	60.1	60.4	-23.2	-16.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	7.7	45.0	42.3
Freq. (MHz)	3.4	3.3	500.0	465.0
Limit (dB)	57.9	58.2	-26.1	-23.3

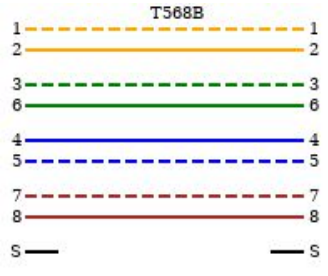
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.5	5.4	6.0	5.8
Freq. (MHz)	124.0	124.0	405.0	423.0
Limit (dB)	11.1	11.1	6.0	6.0

Compliant Network Standards:

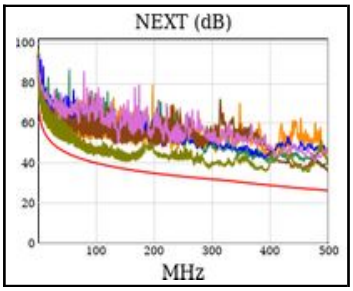
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

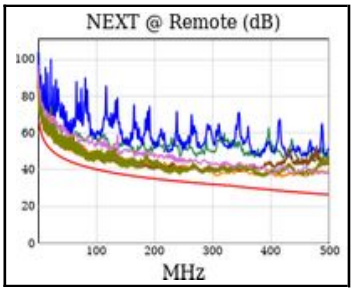


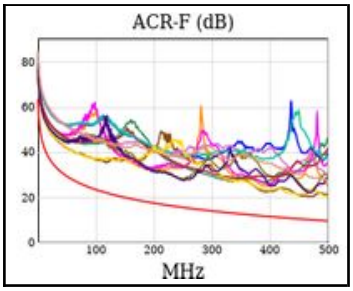
PASS

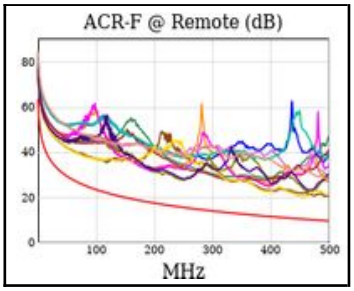


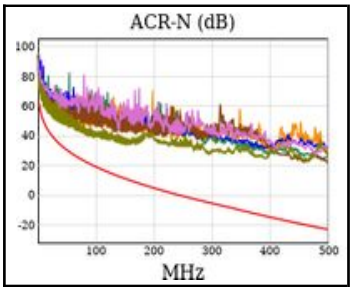


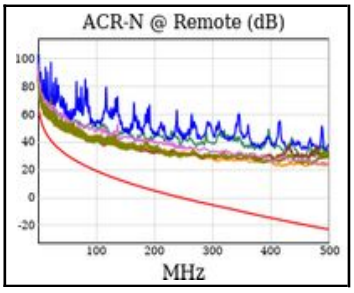


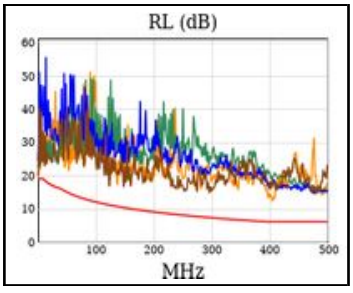


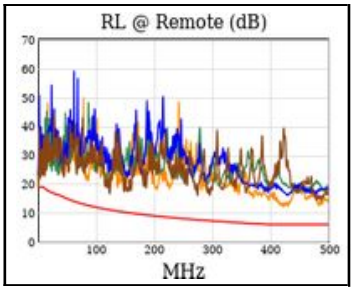












FLUKE networks

LinkWare Live

Cable ID: 101-B

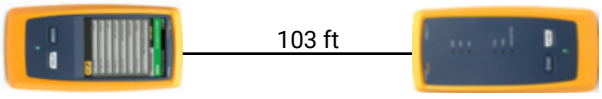
Test Summary: PASS

Date / Time: 11/22/2022 04:34:22 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

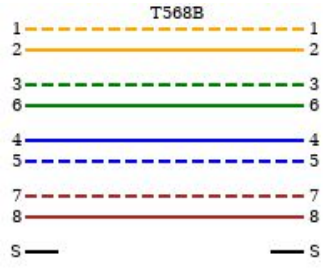
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

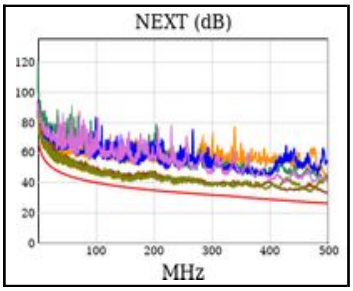
Length (ft), Limit 328	[Pair 1,2]	103
Prop. Delay (ns), Limit 555	[Pair 3,6]	158
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	5.2
Insertion Loss Margin (dB)	[Pair 3,6]	33.4
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

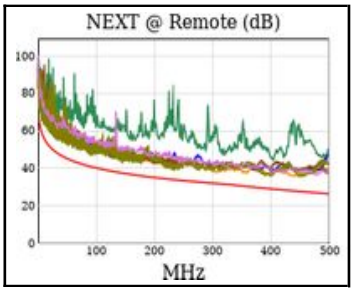


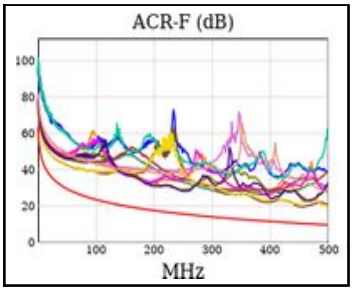
PASS

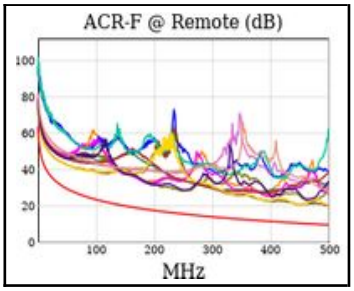


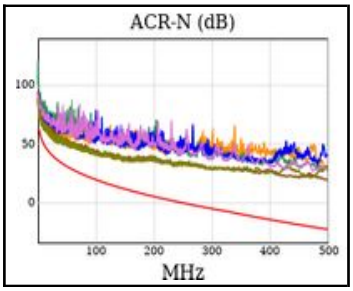


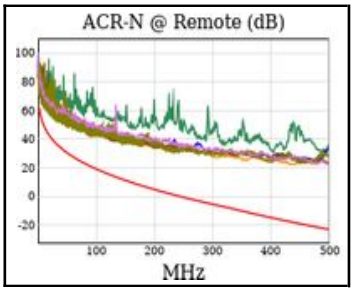


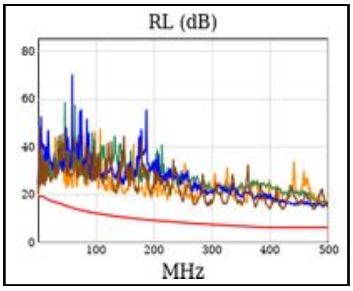


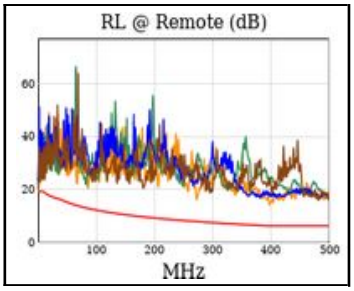












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	3.8	5.0	6.7	7.6
Freq. (MHz)	149.5	235.0	498.0	453.0
Limit (dB)	37.0	33.6	26.1	27.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.6	4.9	8.7	7.1
Freq. (MHz)	145.5	92.3	498.0	449.0
Limit (dB)	34.3	37.7	23.3	24.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.9	9.1	10.6
Freq. (MHz)	458.0	451.0	458.0	499.0
Limit (dB)	10.0	10.2	10.0	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	12.0	11.4
Freq. (MHz)	402.0	471.0	499.0	471.0
Limit (dB)	8.2	6.8	6.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	8.5	41.5	40.3
Freq. (MHz)	3.1	3.3	498.0	443.0
Limit (dB)	61.1	60.7	-23.1	-18.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	7.9	43.0	40.2
Freq. (MHz)	3.4	3.3	498.0	449.0
Limit (dB)	57.9	58.2	-25.9	-22.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.3	7.6	7.4	7.7
Freq. (MHz)	293.0	86.8	476.0	399.0
Limit (dB)	7.3	12.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 12/10/2022 04:29:01 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	239
Prop. Delay (ns), Limit 555	[Pair 4,5]	378
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 4,5]	10.8
Insertion Loss Margin (dB)	[Pair 4,5]	17.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	8.5	5.3	9.5	7.1
Freq. (MHz)	150.5	161.5	487.0	463.0
Limit (dB)	36.9	36.4	26.4	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.3	5.5	10.1	8.0
Freq. (MHz)	4.1	161.5	486.0	464.0
Limit (dB)	60.3	33.5	23.6	24.1

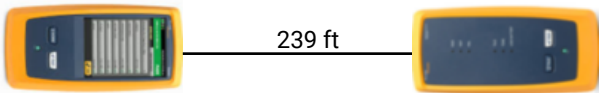
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.7	10.6	10.9
Freq. (MHz)	415.0	393.0	415.0	417.0
Limit (dB)	10.9	11.4	10.9	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.5	11.4	11.5
Freq. (MHz)	393.0	417.0	400.0	417.0
Limit (dB)	8.4	7.9	8.2	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.8	9.0	26.7	27.7
Freq. (MHz)	4.3	2.6	487.0	500.0
Limit (dB)	58.3	61.6	-22.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.0	9.7	27.6	27.1
Freq. (MHz)	4.1	4.0	486.0	500.0
Limit (dB)	56.1	56.4	-25.0	-26.1

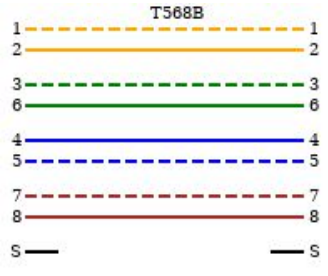
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	7,8
RL (dB)	5.1	4.1	7.2	6.5
Freq. (MHz)	7.6	7.8	475.0	496.0
Limit (dB)	19.0	19.0	6.0	6.0

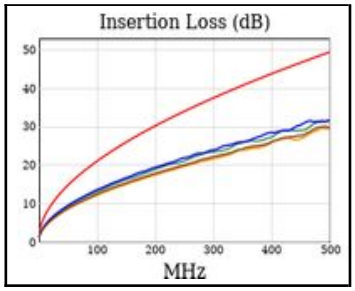
Compliant Network Standards:

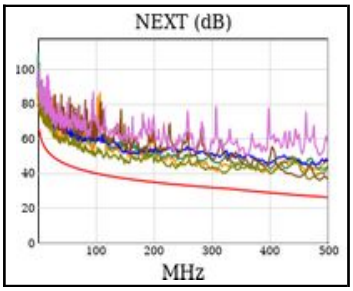
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

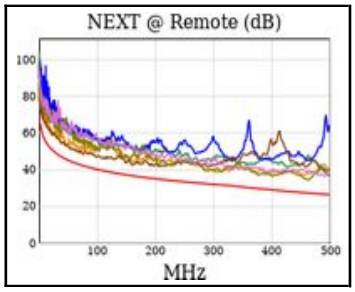


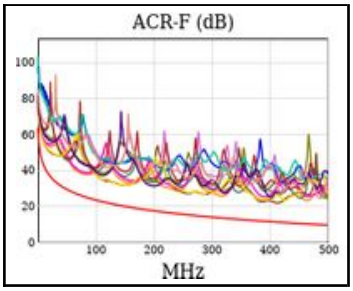
PASS

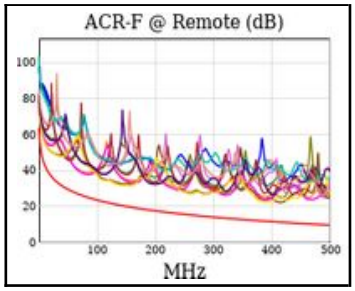


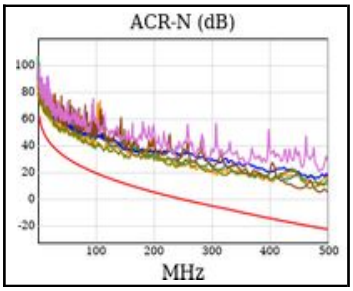


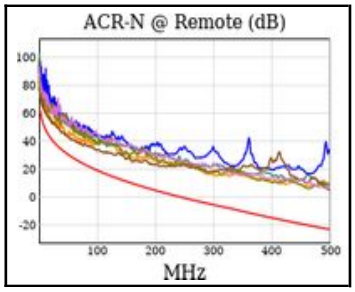


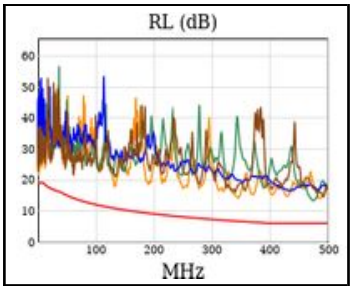


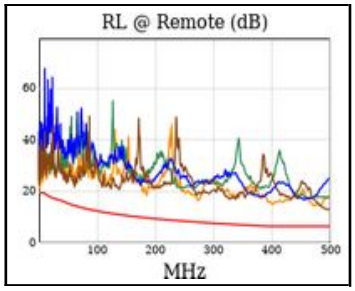












FLUKE networks

LinkWare Live

Cable ID: 101-A

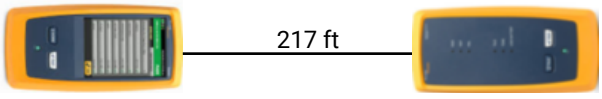
Test Summary: PASS

Date / Time: 11/22/2022 11:31:23 AM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

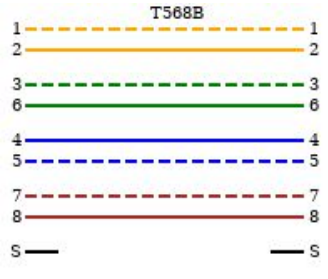
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

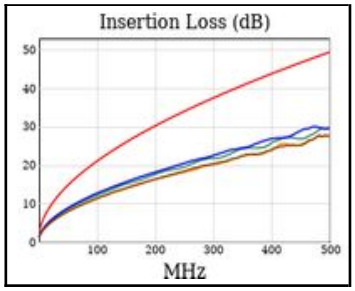
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

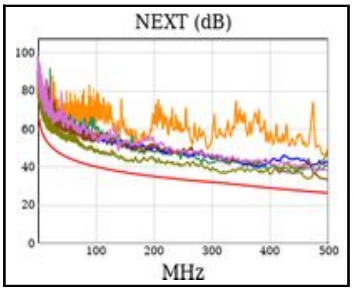
Length (ft), Limit 328	[Pair 1,2]	217
Prop. Delay (ns), Limit 555	[Pair 3,6]	336
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 4,5]	18.3
Frequency (MHz)	[Pair 4,5]	479.0
Limit (dB)	[Pair 4,5]	48.2

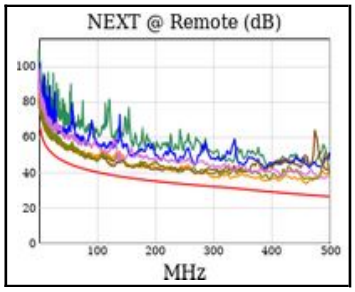


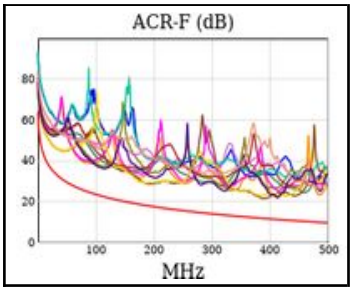
PASS

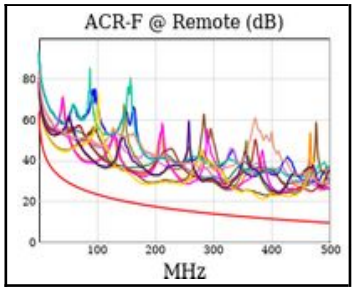


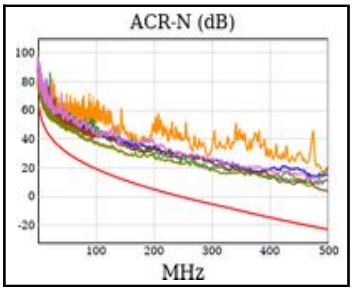


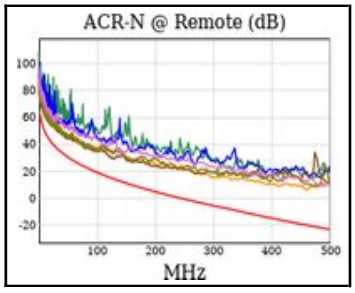


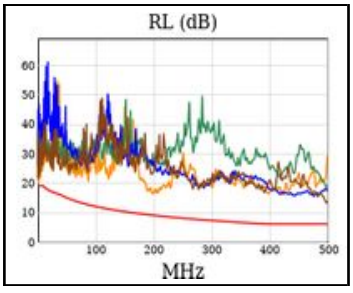


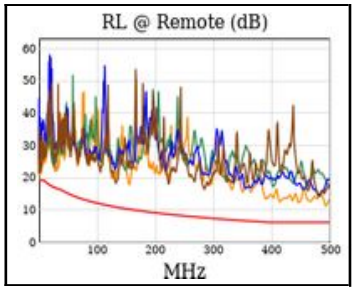












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.1	4.9	6.7	6.3
Freq. (MHz)	318.0	124.5	500.0	460.0
Limit (dB)	31.3	38.3	26.1	27.1
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	6.8	4.4	7.8	7.3
Freq. (MHz)	325.0	160.5	500.0	459.0
Limit (dB)	28.2	33.5	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.5	9.7	9.6
Freq. (MHz)	391.0	384.0	391.0	385.0
Limit (dB)	11.4	11.6	11.4	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.4	11.3	9.4	11.3
Freq. (MHz)	414.0	411.0	414.0	411.0
Limit (dB)	7.9	8.0	7.9	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.8	8.8	26.4	26.4
Freq. (MHz)	3.0	3.0	500.0	461.0
Limit (dB)	61.4	61.4	-23.2	-20.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.0	8.2	27.5	27.5
Freq. (MHz)	3.0	4.5	500.0	461.0
Limit (dB)	58.4	55.3	-26.1	-23.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.0	4.9	7.1	5.1
Freq. (MHz)	8.6	8.6	498.0	494.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

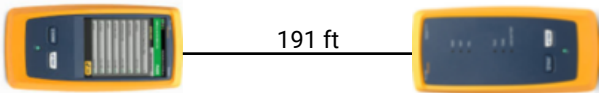
Test Summary: PASS

Date / Time: 11/19/2022 04:57:31 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

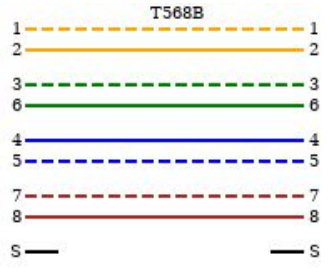
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

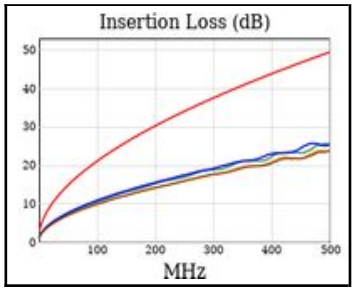
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

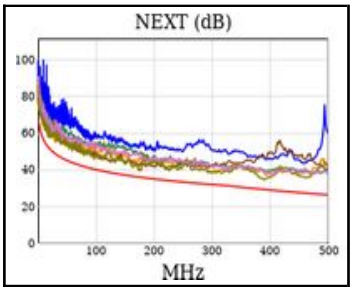
Length (ft), Limit 328	[Pair 1,2]	191
Prop. Delay (ns), Limit 555	[Pair 4,5]	300
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

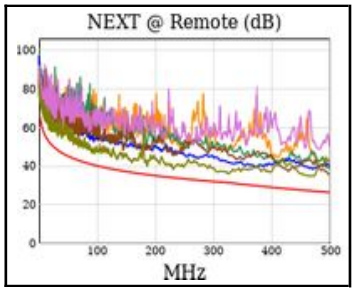


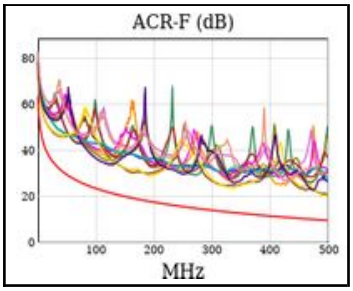
PASS

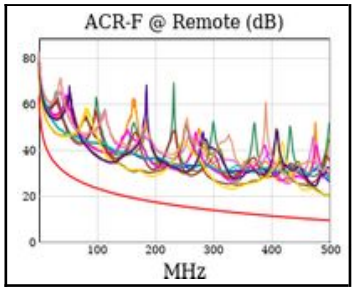


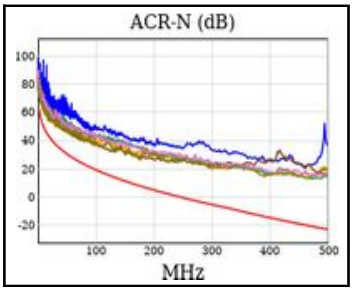


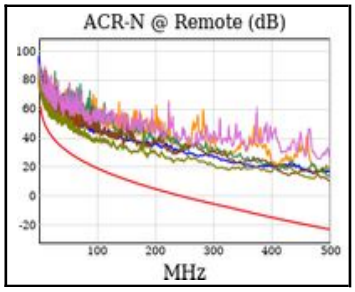


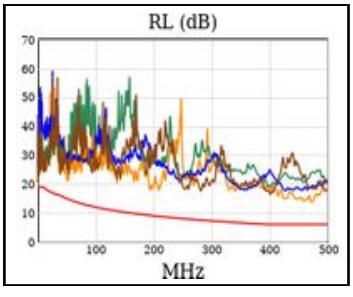


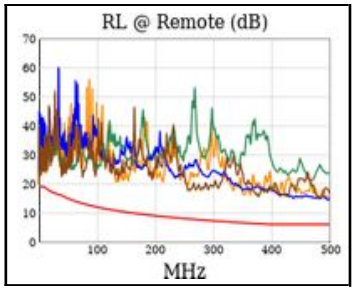












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.4	4.2	5.2	7.3
Freq. (MHz)	177.5	232.0	390.0	465.0
Limit (dB)	35.7	33.7	29.0	27.0
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	3.7	6.4	6.4	9.0
Freq. (MHz)	177.5	232.0	392.0	472.0
Limit (dB)	32.8	30.7	26.0	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.2	10.6	10.9
Freq. (MHz)	496.0	335.0	496.0	500.0
Limit (dB)	9.3	12.8	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	11.3	12.3	13.3
Freq. (MHz)	338.0	339.0	493.0	498.0
Limit (dB)	9.7	9.7	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-4,5	3,6-4,5
ACR-N (dB)	9.7	9.6	33.6	33.4
Freq. (MHz)	8.5	3.6	472.0	500.0
Limit (dB)	51.8	59.8	-21.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	9.1	32.7	34.5
Freq. (MHz)	3.4	3.5	470.0	500.0
Limit (dB)	57.9	57.6	-23.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	5.4	5.1	7.6	8.4
Freq. (MHz)	11.5	11.5	472.0	497.0
Limit (dB)	18.7	18.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

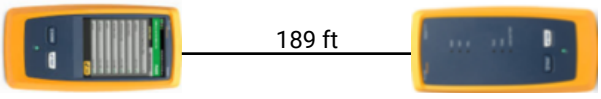
Test Summary: PASS

Date / Time: 11/19/2022 04:58:06 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

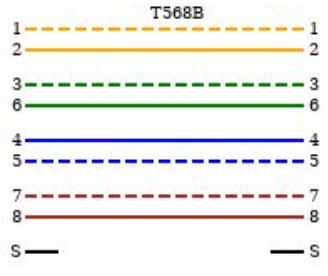
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

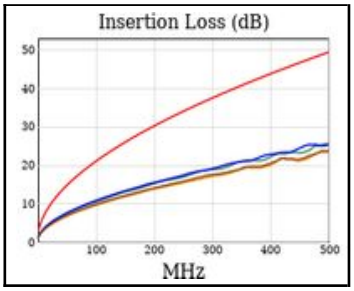
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	299
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

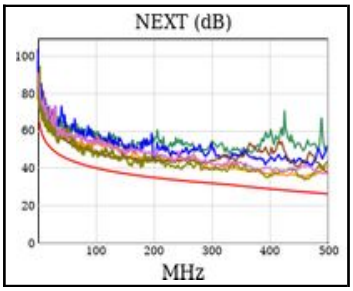


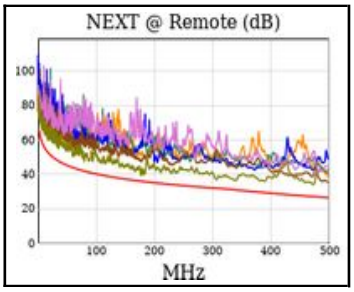
PASS



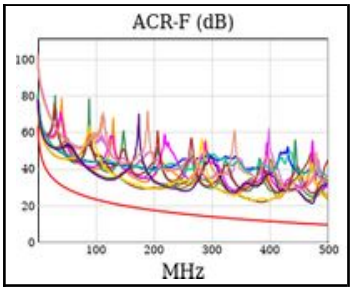


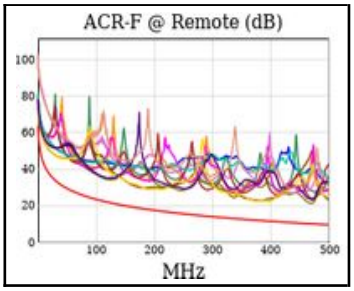
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.1	3.2	6.4	7.0
Freq. (MHz)	178.0	178.0	461.0	474.0
Limit (dB)	35.7	35.7	27.1	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	5.5	6.6	8.5
Freq. (MHz)	157.5	178.0	461.0	474.0
Limit (dB)	33.7	32.7	24.2	23.8



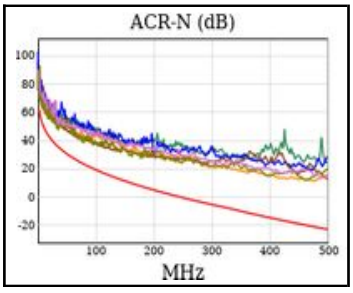


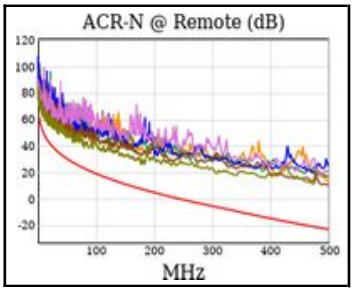
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.1	10.4	11.3	11.2
Freq. (MHz)	387.0	376.0	474.0	471.0
Limit (dB)	11.5	11.8	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	10.9	12.9	10.9
Freq. (MHz)	339.0	339.0	418.0	339.0
Limit (dB)	9.7	9.7	7.8	9.7



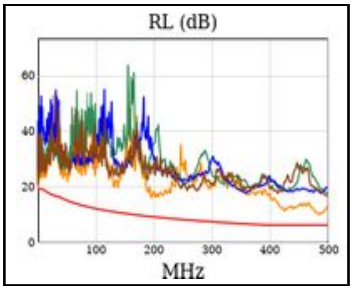


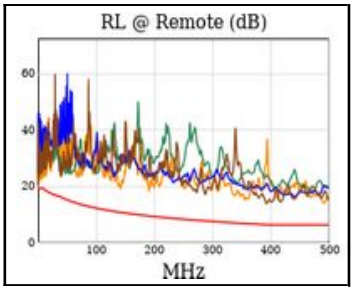
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	8.9	9.1	32.2	33.3
Freq. (MHz)	3.5	3.6	476.0	500.0
Limit (dB)	60.1	59.8	-21.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.5	8.8	30.4	33.2
Freq. (MHz)	3.5	3.5	461.0	500.0
Limit (dB)	57.6	57.6	-23.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.8	4.9	3.8	7.6
Freq. (MHz)	487.0	11.8	487.0	394.0
Limit (dB)	6.0	18.6	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-A

Test Summary: PASS

Date / Time: 11/27/2022 05:29:34 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 4,5]	230
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	4.7	6.4	6.7
Freq. (MHz)	167.0	175.0	464.0	500.0
Limit (dB)	36.1	35.8	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.7	6.8	7.6	8.0
Freq. (MHz)	167.0	175.0	464.0	500.0
Limit (dB)	33.2	32.9	24.1	23.2

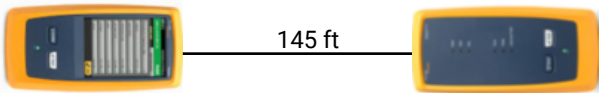
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.7	9.7	9.7
Freq. (MHz)	457.0	464.0	457.0	464.0
Limit (dB)	10.1	9.9	10.1	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.8	10.7	11.4
Freq. (MHz)	466.0	2.8	466.0	466.0
Limit (dB)	6.9	51.5	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.2	11.1	36.1	36.2
Freq. (MHz)	6.8	4.4	464.0	500.0
Limit (dB)	54.0	58.1	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.7	10.1	37.8	37.5
Freq. (MHz)	4.4	4.6	493.0	500.0
Limit (dB)	55.6	55.1	-25.5	-26.1

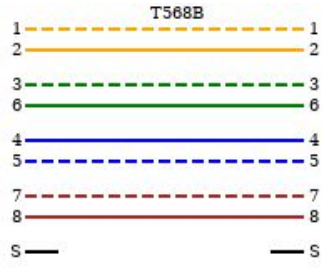
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	6.0	3.7	6.6	4.4
Freq. (MHz)	38.0	121.0	477.0	338.0
Limit (dB)	16.1	11.2	6.0	6.7

Compliant Network Standards:

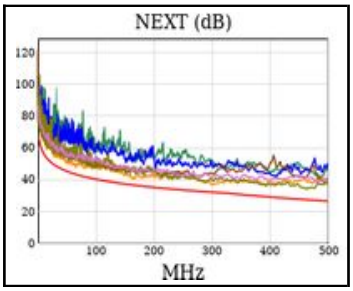
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

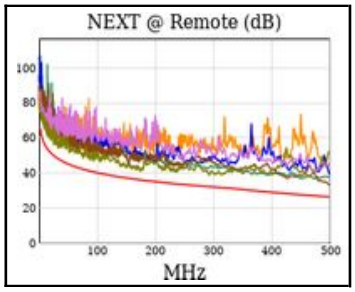


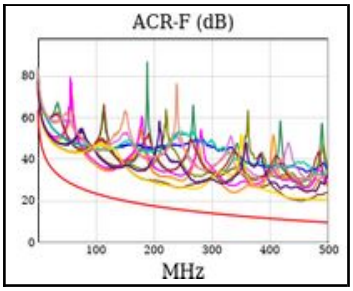
PASS

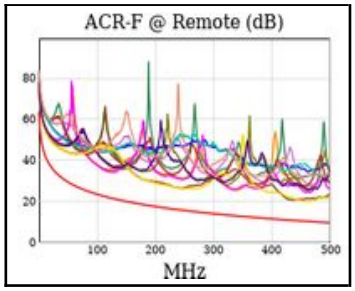


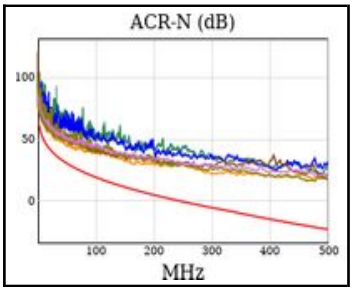


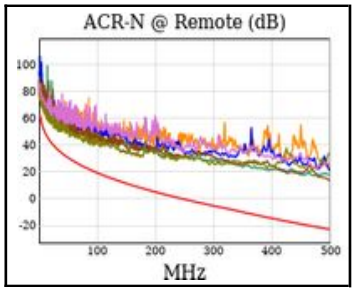


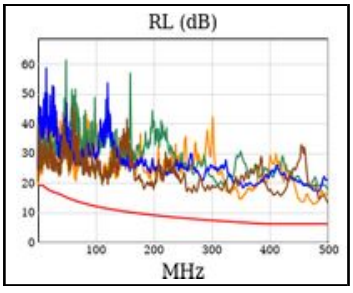


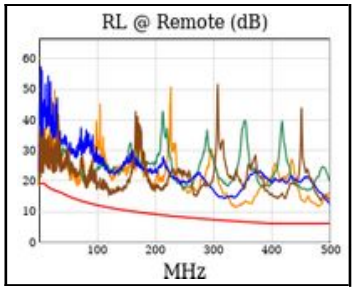












FLUKE networks

LinkWare Live

Cable ID: 101-B

Test Summary: PASS

Date / Time: 12/17/2022 03:26:50 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	62
Prop. Delay (ns), Limit 555	[Pair 4,5]	98
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	11.4
Insertion Loss Margin (dB)	[Pair 1,2]	39.0
Frequency (MHz)	[Pair 1,2]	493.0
Limit (dB)	[Pair 1,2]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	5.0	5.0	9.6	7.2
Freq. (MHz)	12.1	129.0	492.0	449.0
Limit (dB)	55.2	38.0	26.3	27.4
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	5.1	4.6	9.7	7.9
Freq. (MHz)	87.0	68.3	493.0	448.0
Limit (dB)	38.1	39.9	23.4	24.5

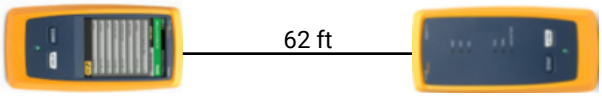
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	7,8-3,6	1,2-3,6
ACR-F (dB)	11.5	12.0	14.4	15.4
Freq. (MHz)	70.0	70.0	477.0	497.0
Limit (dB)	26.4	26.4	9.7	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.3	14.3	16.0
Freq. (MHz)	56.8	70.8	496.0	497.0
Limit (dB)	25.2	23.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	9.9	10.2	48.7	45.3
Freq. (MHz)	5.8	5.6	492.0	449.0
Limit (dB)	55.6	55.8	-22.6	-19.1
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.3	10.2	48.9	47.2
Freq. (MHz)	5.8	5.6	493.0	459.0
Limit (dB)	53.0	53.2	-25.5	-22.8

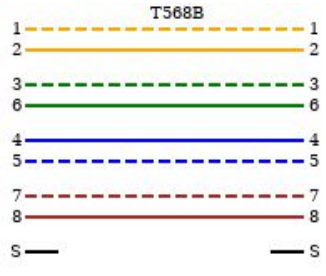
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	5.3	5.2	5.3	5.2
Freq. (MHz)	472.0	493.0	472.0	493.0
Limit (dB)	6.0	6.0	6.0	6.0

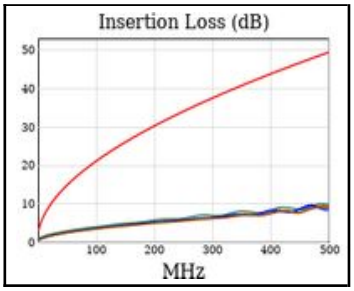
Compliant Network Standards:

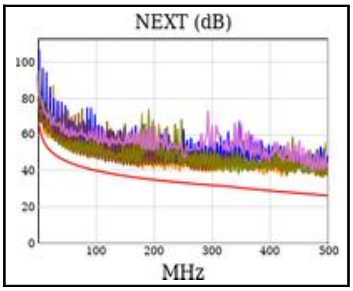
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

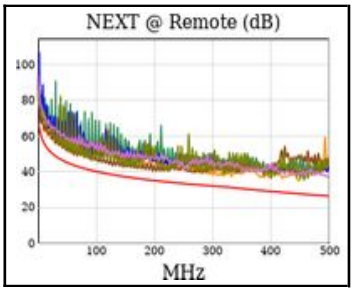


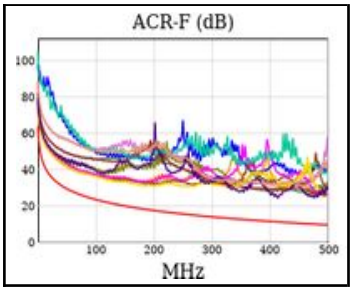
PASS

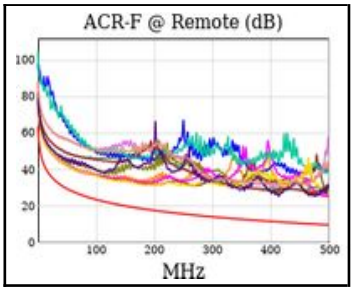


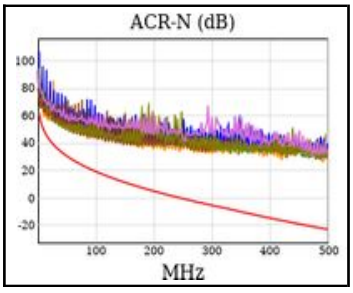


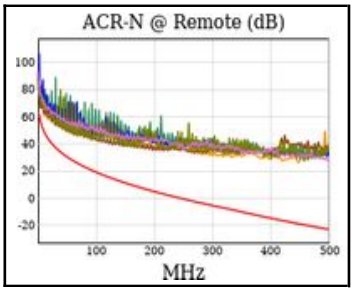


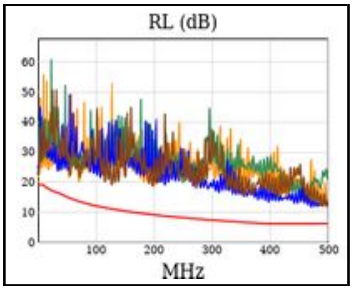


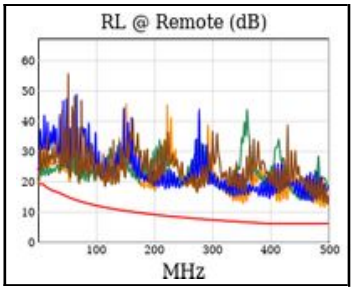












FLUKE networks

LinkWare Live

Cable ID: 101-B

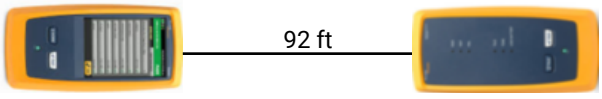
Test Summary: PASS

Date / Time: 12/19/2022 03:21:21 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

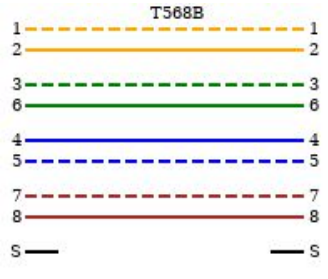
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	92
Prop. Delay (ns), Limit 555	[Pair 4,5]	143
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	35.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

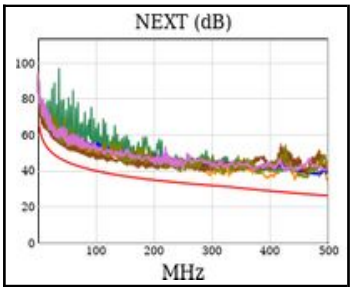


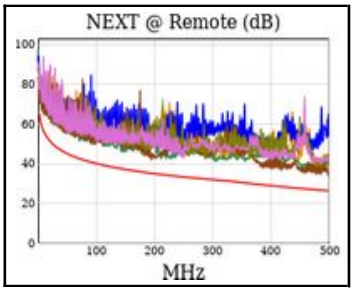
PASS



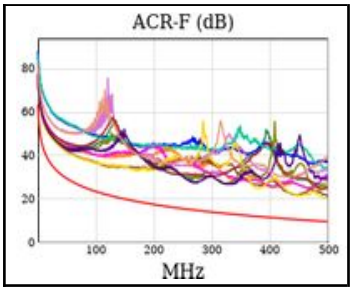


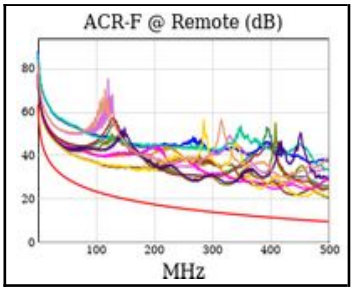
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.1	6.6	8.0	7.7
Freq. (MHz)	298.0	3.5	500.0	499.0
Limit (dB)	31.8	64.0	26.1	26.1
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	5.8	7.7	9.1	8.5
Freq. (MHz)	299.0	3.5	500.0	487.0
Limit (dB)	28.8	61.5	23.2	23.5



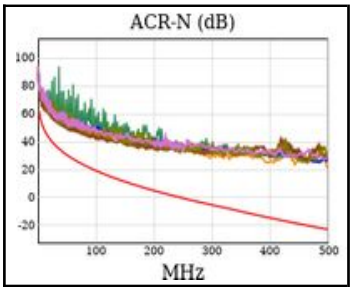


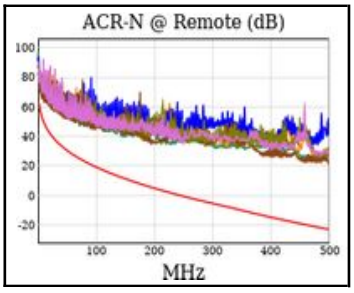
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	10.6	10.7	10.8
Freq. (MHz)	500.0	451.0	500.0	500.0
Limit (dB)	9.3	10.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	12.5	12.1
Freq. (MHz)	5.3	5.3	500.0	500.0
Limit (dB)	45.9	45.9	6.3	6.3



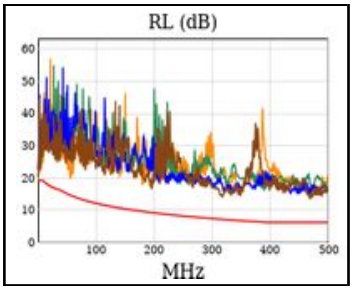


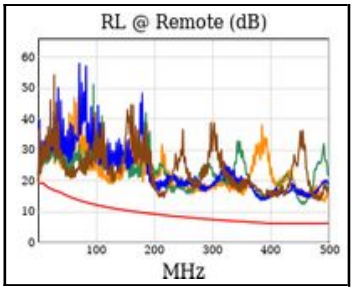
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.1	9.6	43.9	44.3
Freq. (MHz)	3.5	3.5	500.0	499.0
Limit (dB)	60.1	60.1	-23.2	-23.1
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-N (dB)	10.2	10.7	45.5	43.2
Freq. (MHz)	3.5	3.5	500.0	479.0
Limit (dB)	57.6	57.6	-26.1	-24.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	3,6
RL (dB)	5.2	5.7	7.1	6.1
Freq. (MHz)	56.8	217.5	470.0	459.0
Limit (dB)	14.5	8.6	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

Test Summary: PASS

Date / Time: 11/26/2022 02:17:22 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	129
Prop. Delay (ns), Limit 555	[Pair 4,5]	200
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 4,5]	30.0
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	5.0	4.4	5.7
Freq. (MHz)	91.5	16.6	451.0	498.0
Limit (dB)	40.6	53.0	27.3	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	4.3	6.8	6.3	7.3
Freq. (MHz)	241.5	214.5	451.0	495.0
Limit (dB)	30.4	31.3	24.4	23.3

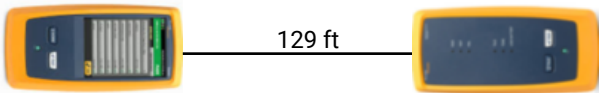
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.4	9.6	10.5	9.6
Freq. (MHz)	402.0	402.0	468.0	402.0
Limit (dB)	11.2	11.2	9.9	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	9.6	10.7	9.6
Freq. (MHz)	406.0	406.0	406.0	406.0
Limit (dB)	8.1	8.1	8.1	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	9.0	38.1	37.1
Freq. (MHz)	3.0	3.0	500.0	487.0
Limit (dB)	61.4	61.4	-23.2	-22.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.5	39.2	38.7
Freq. (MHz)	5.4	3.1	496.0	495.0
Limit (dB)	53.7	58.3	-25.8	-25.7

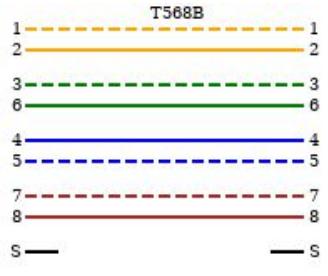
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	7,8
RL (dB)	4.2	3.9	4.2	5.8
Freq. (MHz)	498.0	25.0	498.0	498.0
Limit (dB)	6.0	17.0	6.0	6.0

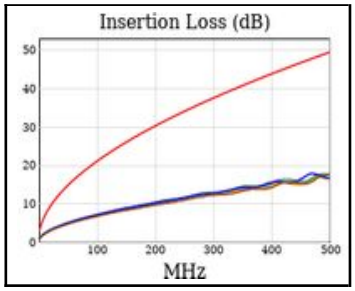
Compliant Network Standards:

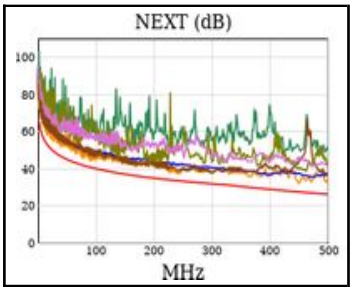
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

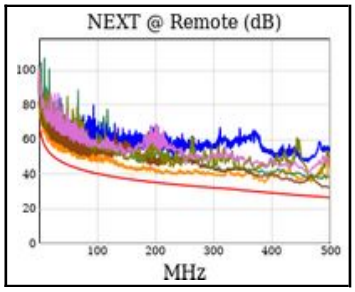


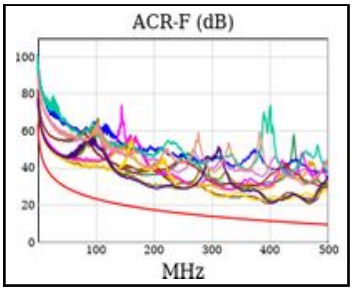
PASS

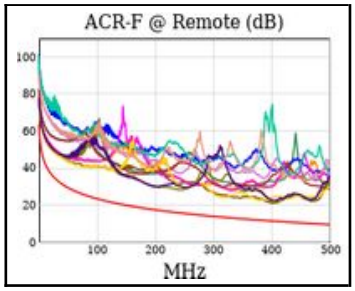


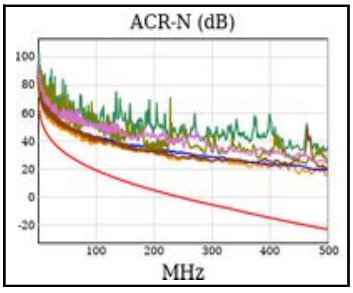


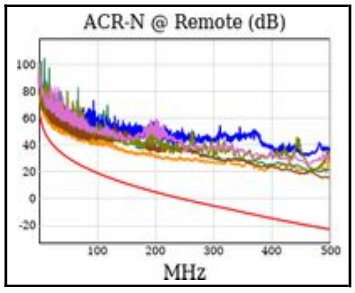


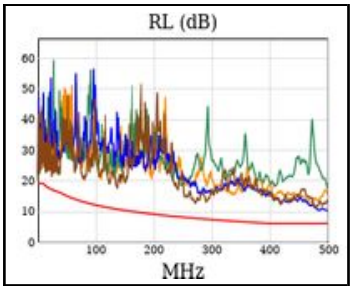


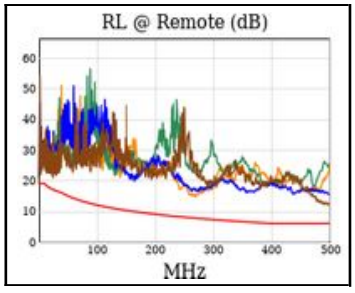












FLUKE networks

LinkWare Live

Cable ID: 102-A

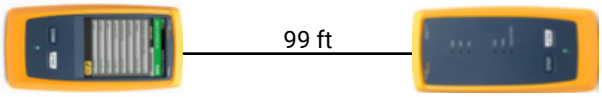
Test Summary: PASS

Date / Time: 11/26/2022 04:41:13 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

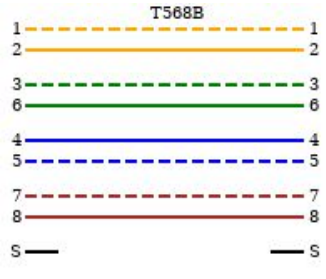
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

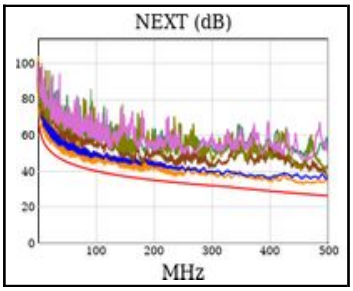
Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 3,6]	152
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	34.0
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

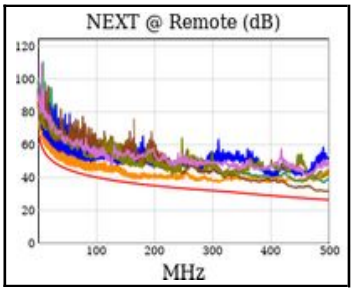


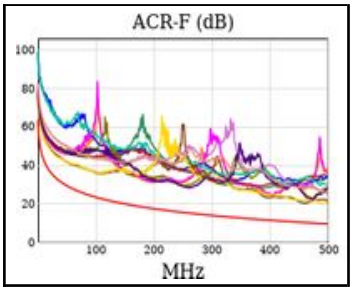
PASS

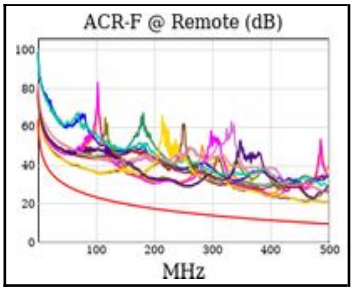


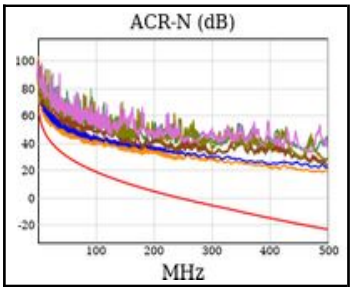


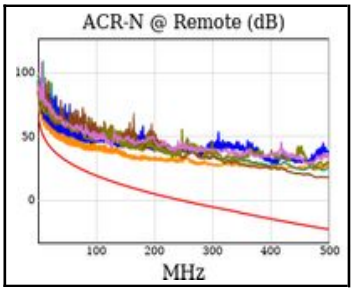


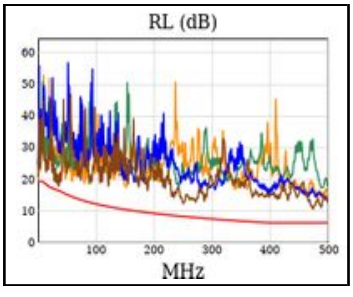


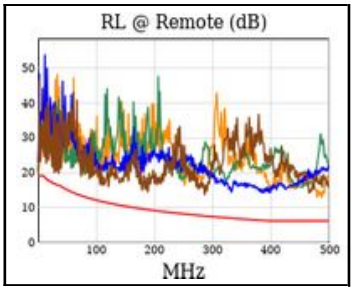












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	2.5	5.6	5.1
Freq. (MHz)	82.0	52.3	461.0	498.0
Limit (dB)	41.4	44.7	27.1	26.1
Worst Pair	1,2	1,2	1,2	3,6
PS NEXT (dB)	4.7	4.6	6.5	6.4
Freq. (MHz)	236.0	48.5	457.0	480.0
Limit (dB)	30.6	42.5	24.3	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	10.2	10.3	10.2
Freq. (MHz)	460.0	460.0	491.0	460.0
Limit (dB)	10.0	10.0	9.4	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.6	11.6	11.6
Freq. (MHz)	1.0	473.0	474.0	473.0
Limit (dB)	60.3	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.1	7.6	41.1	38.8
Freq. (MHz)	3.6	3.5	492.0	480.0
Limit (dB)	59.8	60.1	-22.6	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.1	42.5	40.9
Freq. (MHz)	3.5	3.5	491.0	491.0
Limit (dB)	57.6	57.6	-25.4	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	1.3	3.4	4.1	6.5
Freq. (MHz)	36.5	36.5	475.0	481.0
Limit (dB)	16.2	16.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

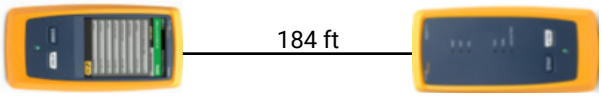
Test Summary: PASS

Date / Time: 11/26/2022 01:20:02 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

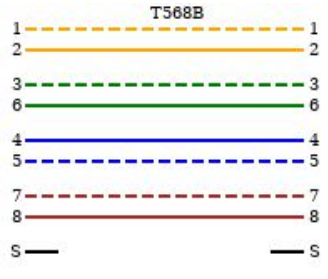
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

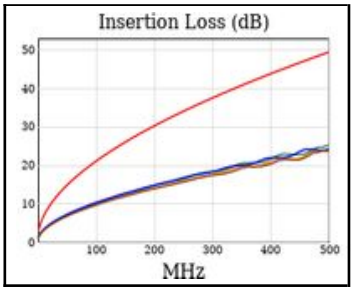
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

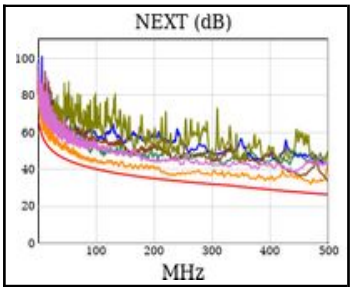
Length (ft), Limit 328	[Pair 7,8]	184
Prop. Delay (ns), Limit 555	[Pair 4,5]	285
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

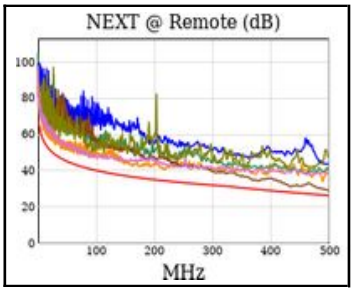


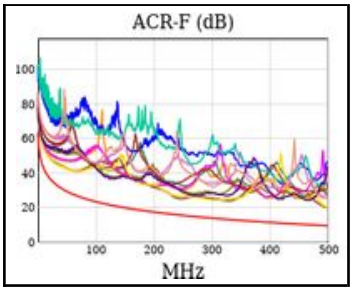
PASS

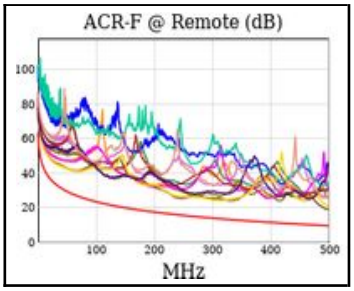


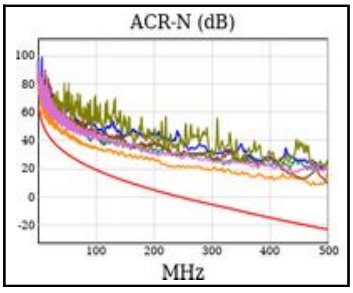


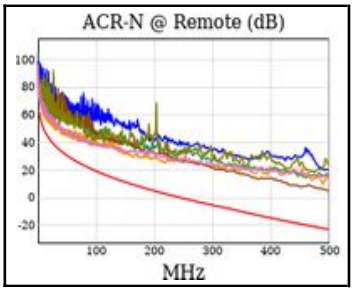


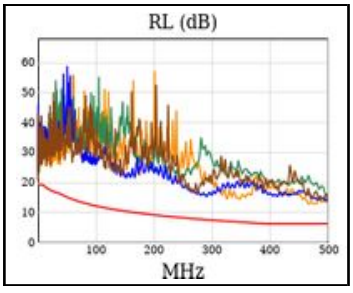


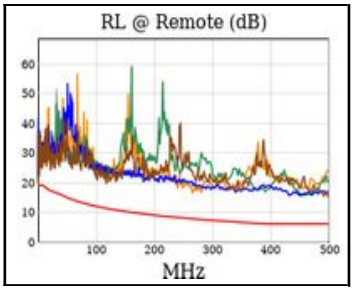












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.8	2.6	4.8	2.6
Freq. (MHz)	228.5	500.0	471.0	500.0
Limit (dB)	33.8	26.1	26.8	26.1
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	4.7	4.6	6.9	4.8
Freq. (MHz)	91.3	490.0	471.0	500.0
Limit (dB)	37.8	23.5	23.9	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.4	9.5	10.0	9.5
Freq. (MHz)	248.5	500.0	500.0	500.0
Limit (dB)	15.4	9.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.9	10.4	12.0	11.4
Freq. (MHz)	260.0	248.0	500.0	500.0
Limit (dB)	12.0	12.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.2	8.4	28.6	27.7
Freq. (MHz)	9.4	9.4	471.0	500.0
Limit (dB)	50.8	50.8	-20.9	-23.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.2	32.4	29.3
Freq. (MHz)	9.4	3.5	495.0	500.0
Limit (dB)	48.2	57.6	-25.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	6.6	7.0	6.6	9.3
Freq. (MHz)	478.0	22.9	478.0	451.0
Limit (dB)	6.0	17.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

Test Summary: PASS

Date / Time: 12/04/2022 02:18:22 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	112
Prop. Delay (ns), Limit 555	[Pair 4,5]	178
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 4,5]	33.0
Frequency (MHz)	[Pair 4,5]	493.0
Limit (dB)	[Pair 4,5]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	3.9	1.4	7.6	5.5
Freq. (MHz)	3.0	201.0	465.0	491.0
Limit (dB)	65.0	34.7	27.0	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.4	2.5	7.7	5.2
Freq. (MHz)	5.9	201.0	465.0	491.0
Limit (dB)	57.8	31.8	24.1	23.4

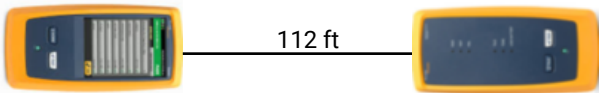
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.7	11.1	11.9	11.2
Freq. (MHz)	478.0	478.0	487.0	481.0
Limit (dB)	9.7	9.7	9.5	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	12.1	11.4	12.1
Freq. (MHz)	490.0	469.0	490.0	469.0
Limit (dB)	6.5	6.8	6.5	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-4,5
ACR-N (dB)	6.4	6.6	41.5	38.4
Freq. (MHz)	3.0	3.1	468.0	491.0
Limit (dB)	61.4	61.1	-20.7	-22.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.9	7.3	40.4	38.1
Freq. (MHz)	3.0	3.1	465.0	491.0
Limit (dB)	58.4	58.3	-23.3	-25.4

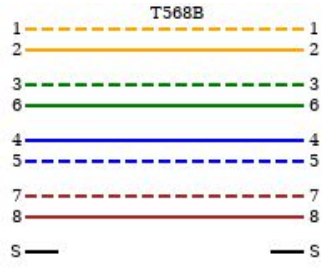
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.9	4.9	4.9	8.9
Freq. (MHz)	498.0	37.0	498.0	491.0
Limit (dB)	6.0	16.2	6.0	6.0

Compliant Network Standards:

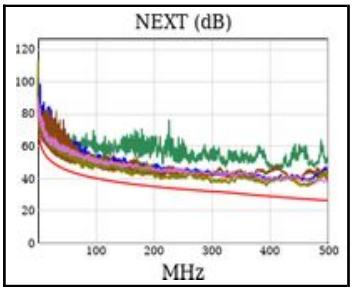
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

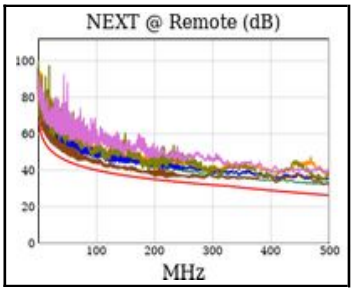


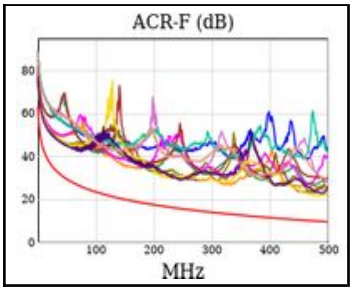
PASS

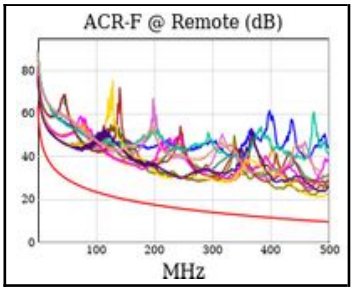


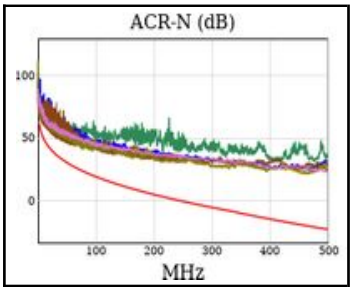


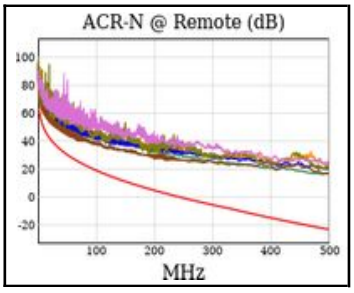


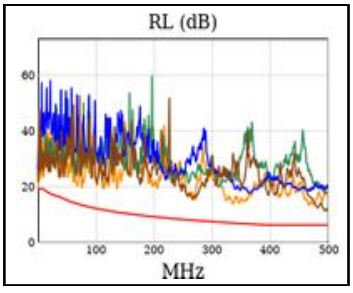


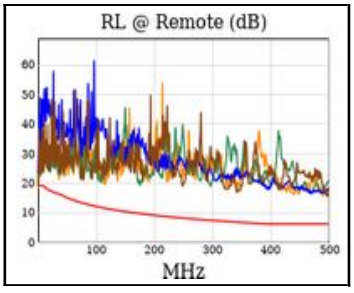












FLUKE networks

LinkWare Live

Cable ID: 102-A

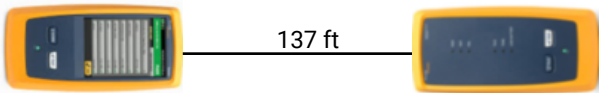
Test Summary: PASS

Date / Time: 12/04/2022 02:26:43 PM
Headroom: 1.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

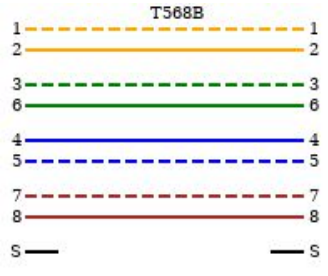
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

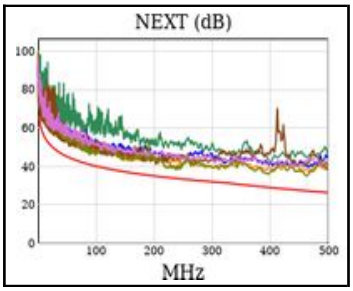


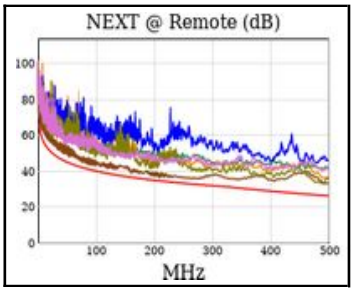
PASS



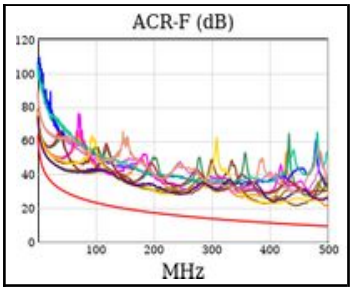


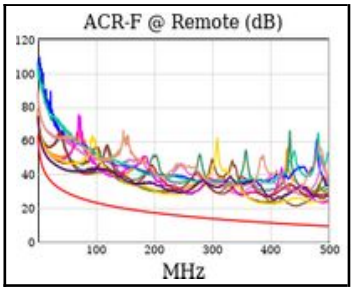
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	1.5	7.5	6.6
Freq. (MHz)	4.8	209.0	464.0	494.0
Limit (dB)	61.8	34.5	27.0	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	3.2	8.3	5.7
Freq. (MHz)	89.3	196.0	464.0	494.0
Limit (dB)	37.9	32.0	24.1	23.4



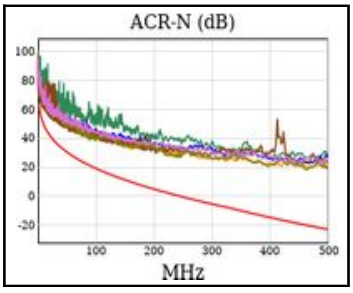


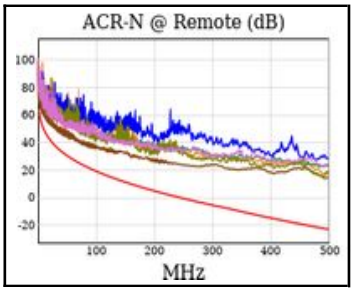
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.9	10.8	11.9	11.0
Freq. (MHz)	10.0	10.0	500.0	446.0
Limit (dB)	43.3	43.3	9.3	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.1	12.7	11.6
Freq. (MHz)	1.4	10.0	500.0	401.0
Limit (dB)	57.5	40.3	6.3	8.2



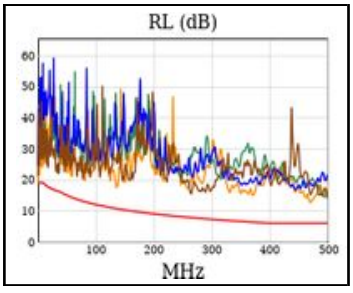


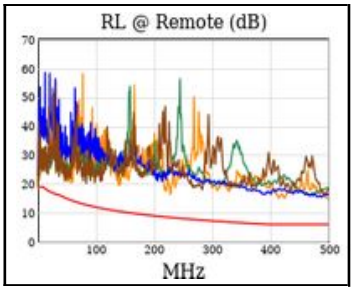
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	6.6	6.5	38.1	36.4
Freq. (MHz)	4.6	4.8	464.0	494.0
Limit (dB)	57.6	57.3	-20.4	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.1	7.5	37.6	35.6
Freq. (MHz)	4.8	4.8	464.0	494.0
Limit (dB)	54.8	54.8	-23.2	-25.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.7	5.5	6.5	8.6
Freq. (MHz)	37.0	47.0	471.0	499.0
Limit (dB)	16.2	15.3	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

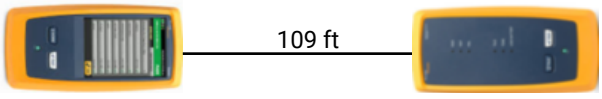
Test Summary: PASS

Date / Time: 11/27/2022 11:24:18 AM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

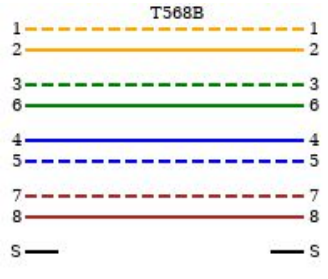
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	109
Prop. Delay (ns), Limit 555	[Pair 4,5]	174
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	5.4
Insertion Loss Margin (dB)	[Pair 3,6]	33.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

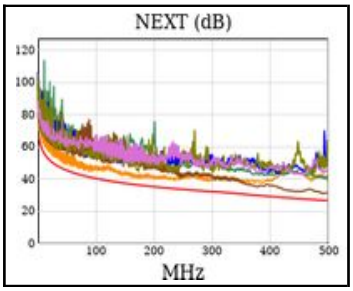


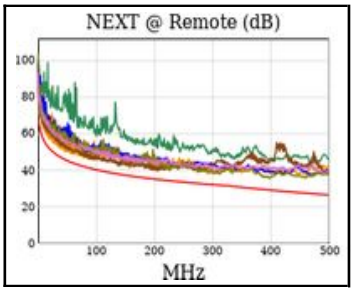
PASS



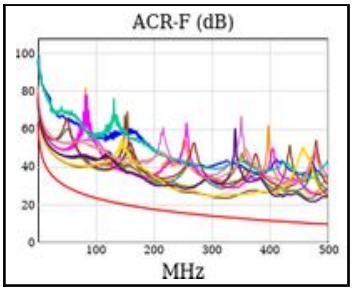


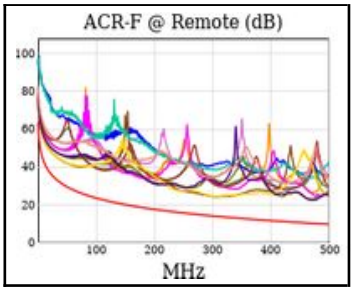
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	3.3	4.3	4.2	7.9
Freq. (MHz)	46.3	46.3	494.0	461.0
Limit (dB)	45.6	45.6	26.2	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.0	4.3	6.3	8.1
Freq. (MHz)	46.0	159.0	494.0	461.0
Limit (dB)	42.9	33.6	23.4	24.2



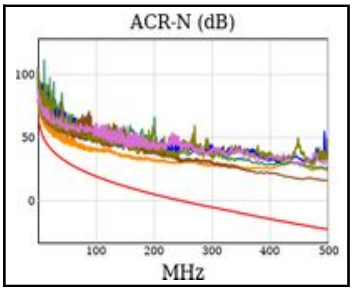


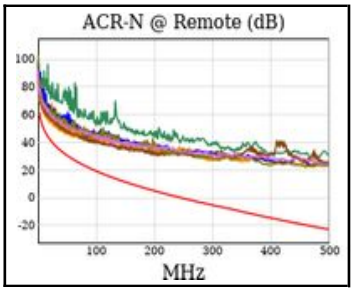
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	3,6-7,8
ACR-F (dB)	9.8	10.2	11.6	12.2
Freq. (MHz)	307.0	307.0	478.0	471.0
Limit (dB)	13.5	13.5	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.9	13.2	13.8
Freq. (MHz)	1.0	1.0	480.0	489.0
Limit (dB)	60.3	60.3	6.6	6.5



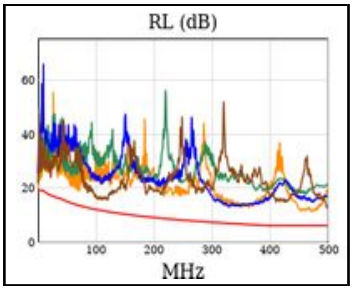


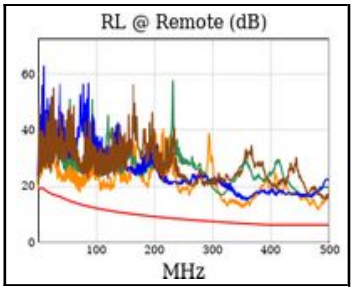
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	7.6	8.3	38.1	41.5
Freq. (MHz)	3.1	3.5	494.0	461.0
Limit (dB)	61.1	60.1	-22.7	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	8.2	39.6	43.4
Freq. (MHz)	3.3	3.4	494.0	497.0
Limit (dB)	58.2	57.9	-25.6	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	3.9	4.2	5.1	5.3
Freq. (MHz)	105.5	72.8	474.0	484.0
Limit (dB)	11.8	13.4	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

Test Summary: PASS

Date / Time: 12/11/2022 11:29:29 AM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	118
Prop. Delay (ns), Limit 555	[Pair 4,5]	184
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 1,2]	31.9
Frequency (MHz)	[Pair 1,2]	484.0
Limit (dB)	[Pair 1,2]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.2	2.5	8.0	3.0
Freq. (MHz)	303.0	388.0	500.0	461.0
Limit (dB)	31.7	29.1	26.1	27.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	7.0	4.9	8.4	4.9
Freq. (MHz)	303.0	388.0	468.0	461.0
Limit (dB)	28.7	26.1	24.0	24.2

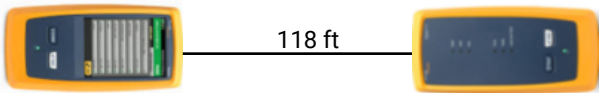
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.7	9.2	9.7	9.2
Freq. (MHz)	338.0	383.0	383.0	383.0
Limit (dB)	12.7	11.6	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.7	10.8	12.6
Freq. (MHz)	38.3	40.8	391.0	474.0
Limit (dB)	28.6	28.1	8.4	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.2	14.0	41.9	35.5
Freq. (MHz)	8.0	2.9	500.0	461.0
Limit (dB)	52.4	61.4	-23.2	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	14.1	41.7	37.5
Freq. (MHz)	5.3	5.0	491.0	462.0
Limit (dB)	53.9	54.3	-25.4	-23.1

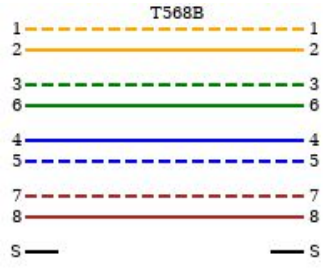
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.7	3.4	5.7	3.4
Freq. (MHz)	488.0	484.0	488.0	484.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

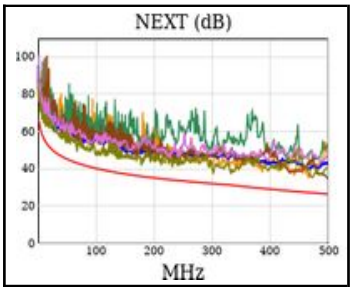
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

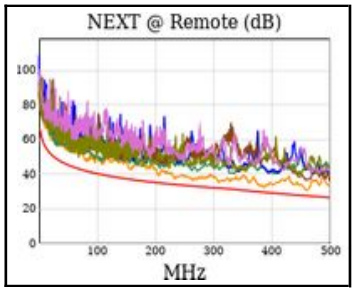


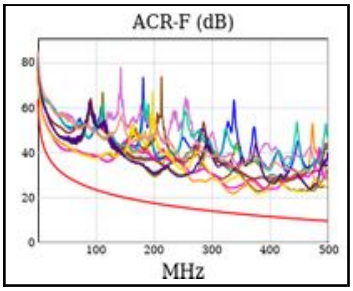
PASS

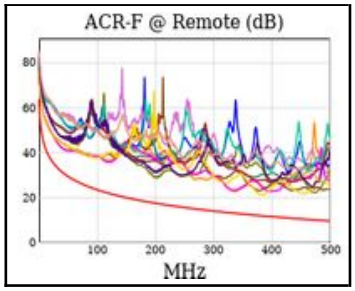


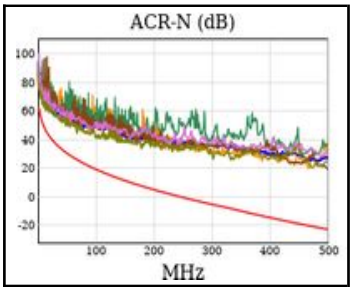


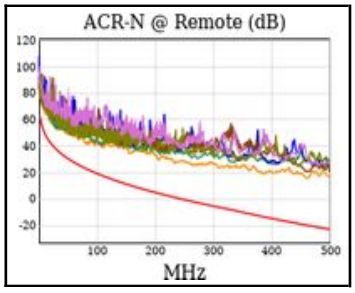


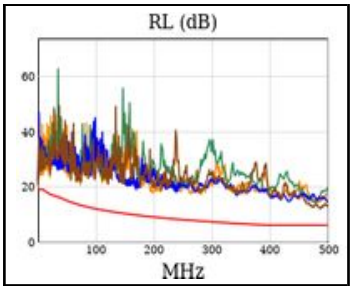


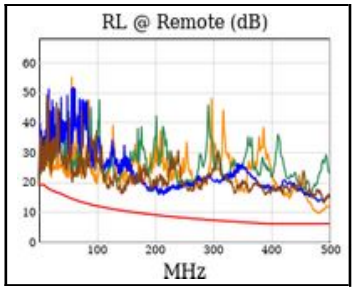












FLUKE networks

LinkWare Live

Cable ID: 101-B

Test Summary: PASS

Date / Time: 11/22/2022 04:34:22 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	103
Prop. Delay (ns), Limit 555	[Pair 3,6]	158
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	5.2
Insertion Loss Margin (dB)	[Pair 3,6]	33.4
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	3.8	5.0	6.7	7.6
Freq. (MHz)	149.5	235.0	498.0	453.0
Limit (dB)	37.0	33.6	26.1	27.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.6	4.9	8.7	7.1
Freq. (MHz)	145.5	92.3	498.0	449.0
Limit (dB)	34.3	37.7	23.3	24.5

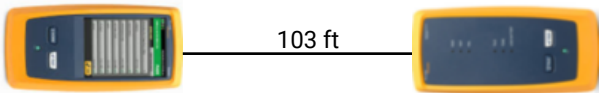
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.9	9.1	10.6
Freq. (MHz)	458.0	451.0	458.0	499.0
Limit (dB)	10.0	10.2	10.0	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	12.0	11.4
Freq. (MHz)	402.0	471.0	499.0	471.0
Limit (dB)	8.2	6.8	6.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	8.5	41.5	40.3
Freq. (MHz)	3.1	3.3	498.0	443.0
Limit (dB)	61.1	60.7	-23.1	-18.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	7.9	43.0	40.2
Freq. (MHz)	3.4	3.3	498.0	449.0
Limit (dB)	57.9	58.2	-25.9	-22.0

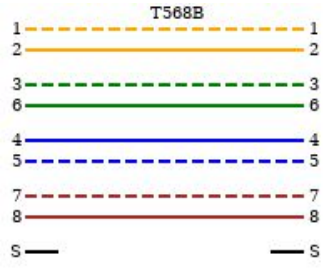
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.3	7.6	7.4	7.7
Freq. (MHz)	293.0	86.8	476.0	399.0
Limit (dB)	7.3	12.6	6.0	6.0

Compliant Network Standards:

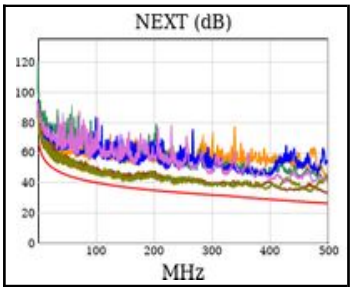
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

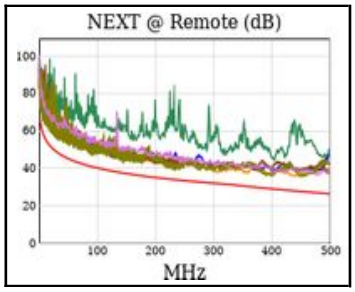


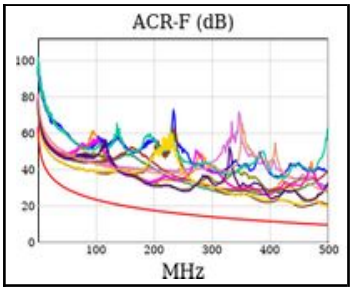
PASS

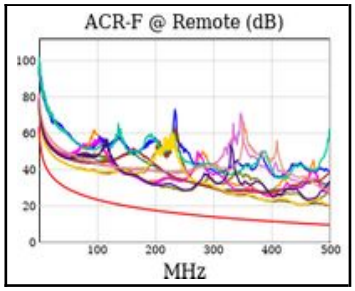


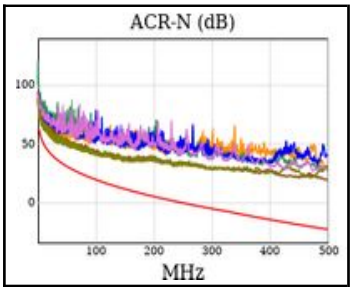


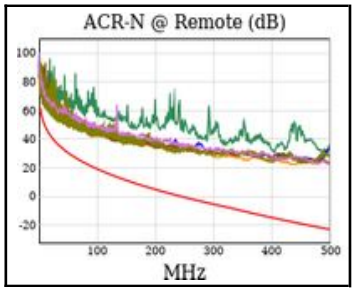


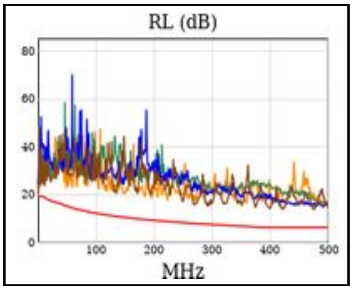


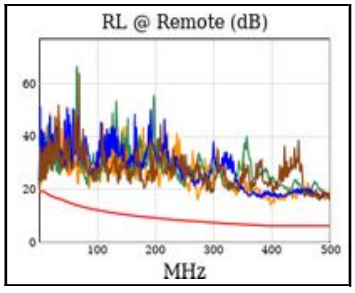












FLUKE networks

LinkWare Live

Cable ID: 101-B

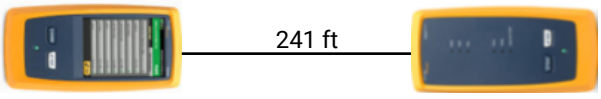
Test Summary: PASS

Date / Time: 12/10/2022 04:29:23 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

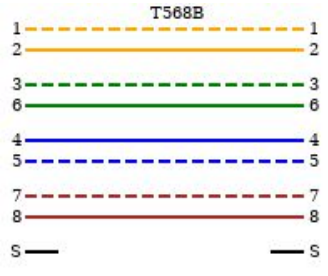
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

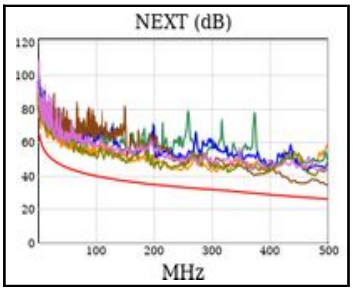
Length (ft), Limit 328	[Pair 1,2]	241
Prop. Delay (ns), Limit 555	[Pair 4,5]	379
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	17.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

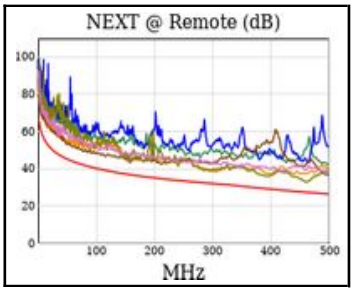


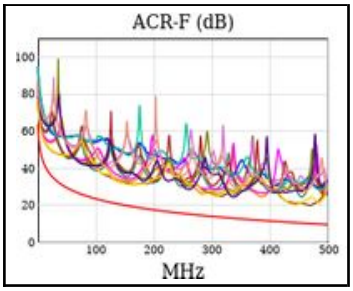
PASS

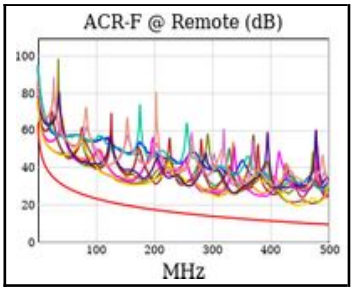


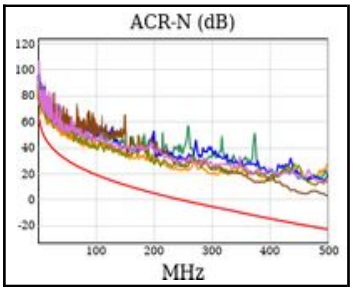


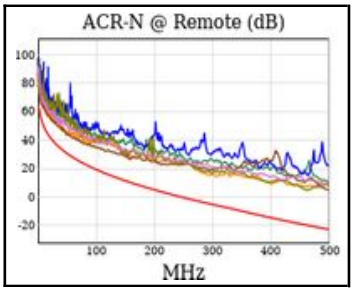


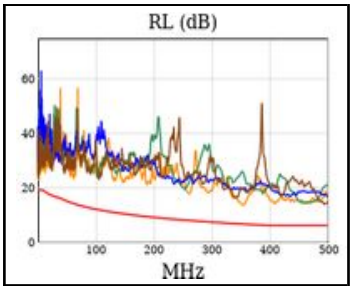


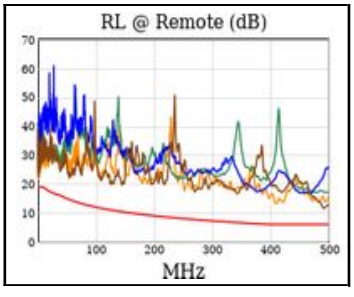












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	7.2	5.5	8.2	5.5
Freq. (MHz)	5.5	464.0	500.0	464.0
Limit (dB)	60.8	27.0	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.0	6.0	10.6	6.8
Freq. (MHz)	5.5	293.0	500.0	464.0
Limit (dB)	58.3	28.9	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	8.9	9.9	8.9
Freq. (MHz)	447.0	447.0	472.0	447.0
Limit (dB)	10.3	10.3	9.8	10.3
Worst Pair	3,6	4,5	4,5	4,5
PS ACR-F (dB)	11.5	10.8	11.6	10.8
Freq. (MHz)	447.0	447.0	462.0	447.0
Limit (dB)	7.3	7.3	7.0	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	9.0	9.0	25.7	24.6
Freq. (MHz)	5.5	5.6	500.0	464.0
Limit (dB)	56.0	55.8	-23.2	-20.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.9	9.2	28.1	26.8
Freq. (MHz)	5.5	5.4	500.0	500.0
Limit (dB)	53.4	53.7	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.9	5.6	7.0	5.6
Freq. (MHz)	13.1	492.0	354.0	492.0
Limit (dB)	18.4	6.0	6.5	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-A

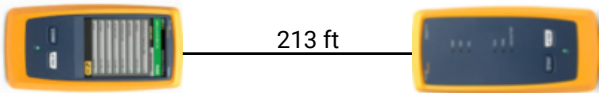
Test Summary: PASS

Date / Time: 12/10/2022 04:39:20 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

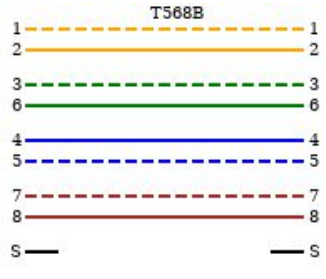
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

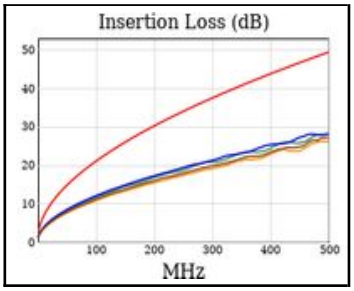
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

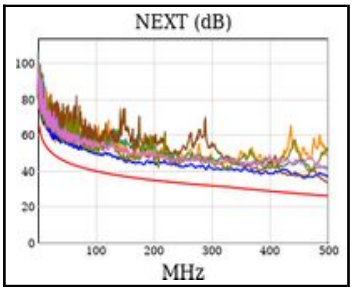
Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	337
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.7
Insertion Loss Margin (dB)	[Pair 4,5]	21.2
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

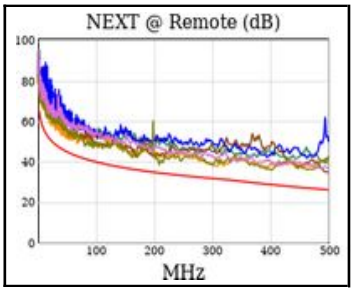


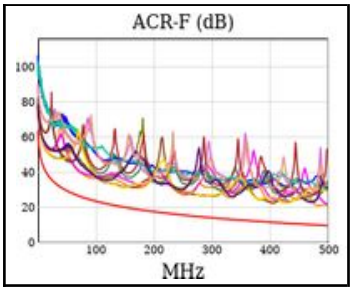
PASS

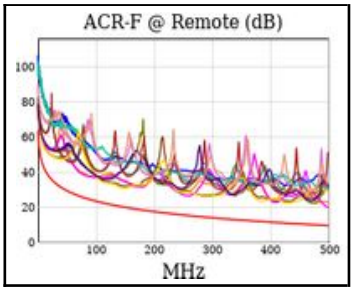


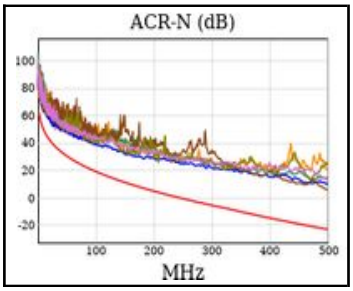


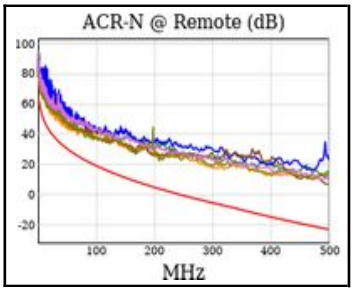


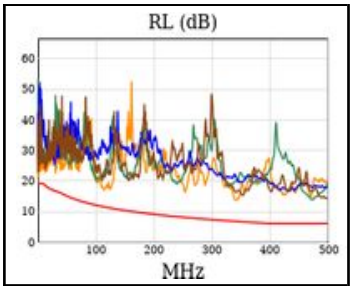


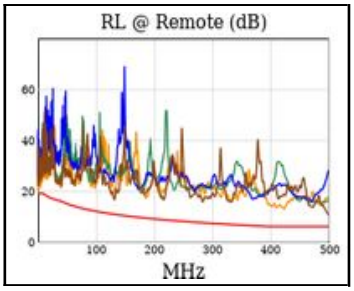












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	7.0	3.4	7.7	8.7
Freq. (MHz)	30.8	209.0	499.0	500.0
Limit (dB)	48.5	34.5	26.1	26.1
Worst Pair	1,2	3,6	4,5	4,5
PS NEXT (dB)	7.8	4.4	9.2	8.8
Freq. (MHz)	31.0	209.0	498.0	496.0
Limit (dB)	45.8	31.5	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.9	10.6	11.2	10.6
Freq. (MHz)	406.0	499.0	487.0	499.0
Limit (dB)	11.1	9.3	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	11.9	13.0
Freq. (MHz)	251.0	251.0	480.0	499.0
Limit (dB)	12.3	12.3	6.6	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.5	8.9	28.8	29.9
Freq. (MHz)	7.9	4.4	499.0	500.0
Limit (dB)	52.5	58.1	-23.1	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.4	8.4	30.5	30.1
Freq. (MHz)	4.6	4.4	499.0	499.0
Limit (dB)	55.1	55.6	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.2	4.6	6.9	4.6
Freq. (MHz)	13.4	500.0	344.0	500.0
Limit (dB)	18.4	6.0	6.6	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-1-A

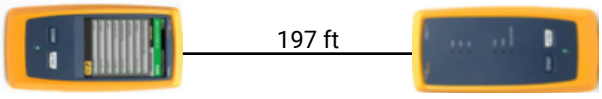
Test Summary: PASS

Date / Time: 11/20/2022 05:28:26 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

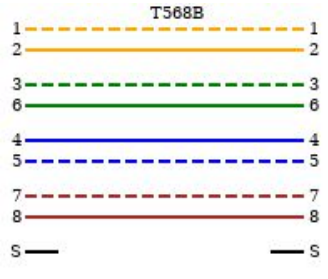
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	311
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	21.9
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0



PASS

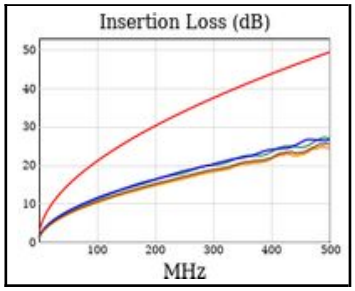


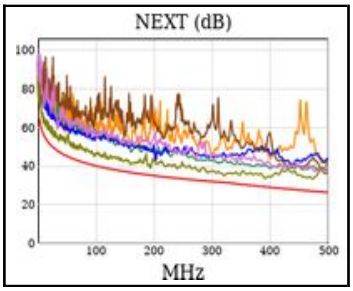
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.5	3.6	6.4	6.6
Freq. (MHz)	322.0	231.0	475.0	500.0
Limit (dB)	31.2	33.7	26.7	26.1
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	5.7	5.5	7.8	6.6
Freq. (MHz)	322.0	236.0	476.0	500.0
Limit (dB)	28.2	30.6	23.8	23.2

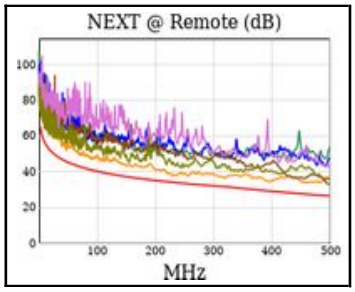
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	10.0	10.1	10.0
Freq. (MHz)	438.0	435.0	438.0	435.0
Limit (dB)	10.4	10.5	10.4	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.8	12.0	12.7
Freq. (MHz)	7.3	2.1	477.0	481.0
Limit (dB)	43.1	53.7	6.7	6.6

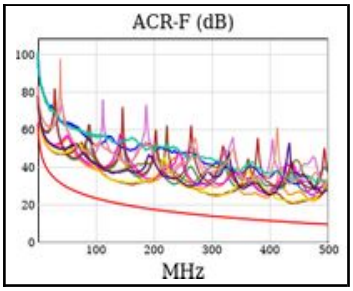
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	9.2	10.6	29.7	29.4
Freq. (MHz)	10.3	3.5	476.0	500.0
Limit (dB)	49.8	60.1	-21.3	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.0	10.2	32.1	28.9
Freq. (MHz)	3.4	5.0	500.0	500.0
Limit (dB)	57.9	54.3	-26.1	-26.1

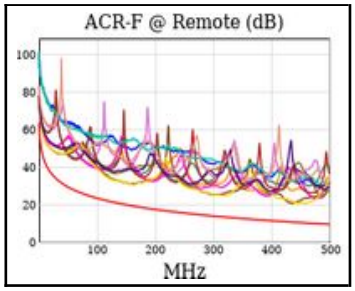
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.7	4.5	8.5	7.5
Freq. (MHz)	9.5	9.5	481.0	426.0
Limit (dB)	19.0	19.0	6.0	6.0

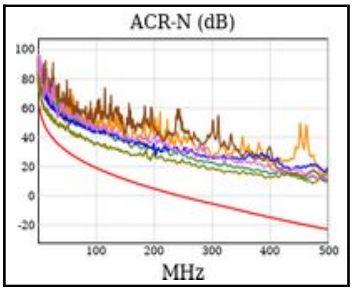


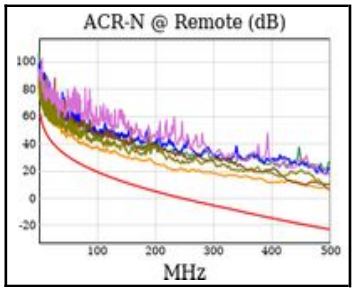


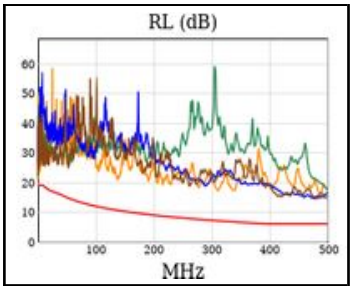


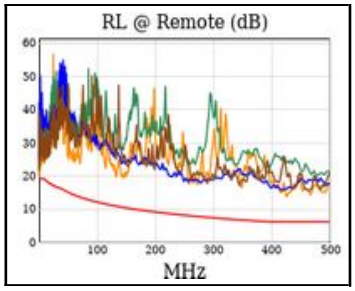












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-1-B

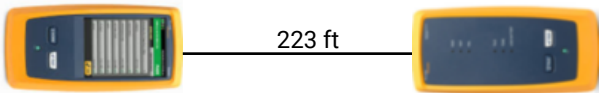
Test Summary: PASS

Date / Time: 11/20/2022 05:30:14 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

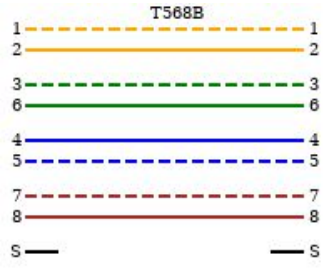
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

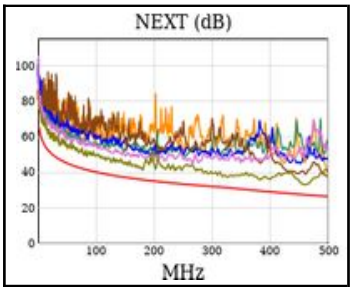
Length (ft), Limit 328	[Pair 1,2]	223
Prop. Delay (ns), Limit 555	[Pair 4,5]	353
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	18.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

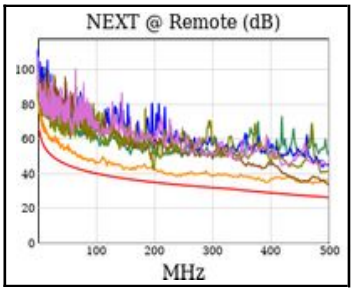


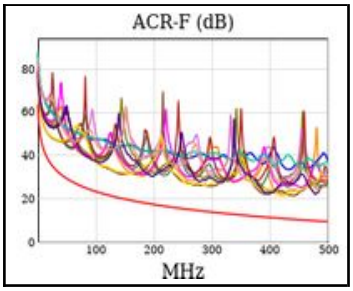
PASS

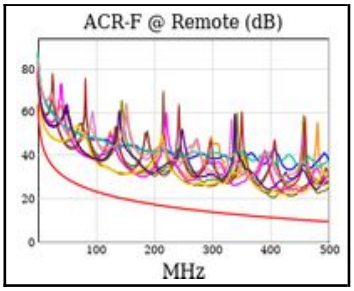


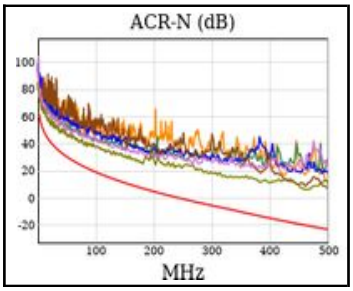


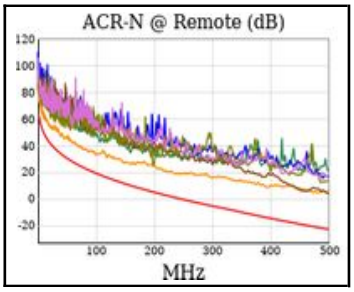


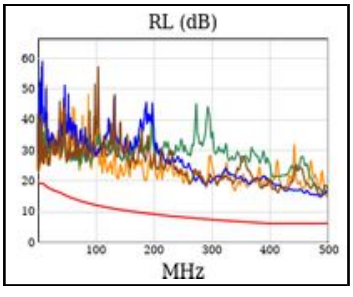


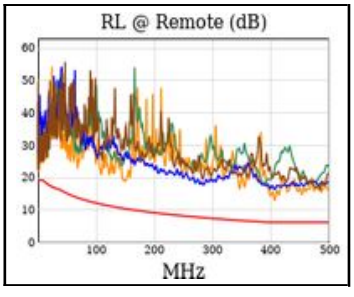












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.3	4.9	5.6	7.2
Freq. (MHz)	182.0	239.0	460.0	500.0
Limit (dB)	35.5	33.5	27.1	26.1
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	7.2	7.3	7.5	7.9
Freq. (MHz)	182.0	199.0	462.0	500.0
Limit (dB)	32.6	31.9	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	7,8-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	10.4	9.4	10.4	9.4
Freq. (MHz)	424.0	407.0	424.0	407.0
Limit (dB)	10.7	11.1	10.7	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.0	10.3	10.1
Freq. (MHz)	417.0	407.0	422.0	408.0
Limit (dB)	7.9	8.1	7.8	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	11.0	10.2	26.5	26.5
Freq. (MHz)	7.0	7.5	465.0	500.0
Limit (dB)	53.7	53.0	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.7	12.0	26.1	26.5
Freq. (MHz)	2.9	2.9	462.0	500.0
Limit (dB)	58.4	58.4	-23.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.5	5.3	8.6	6.7
Freq. (MHz)	9.8	9.9	498.0	408.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-2-A

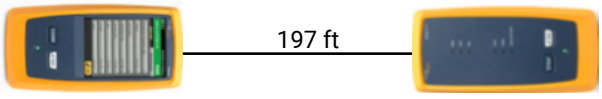
Test Summary: PASS

Date / Time: 11/20/2022 05:28:48 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

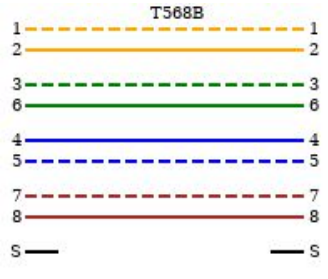
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

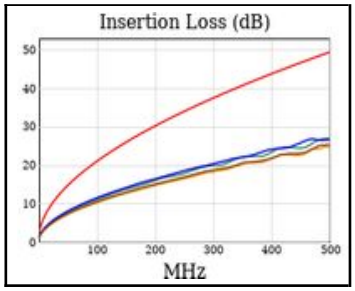
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	311
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	22.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

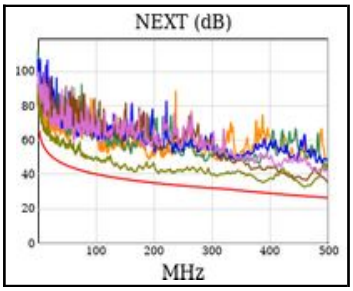


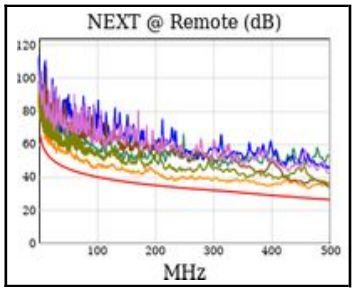
PASS



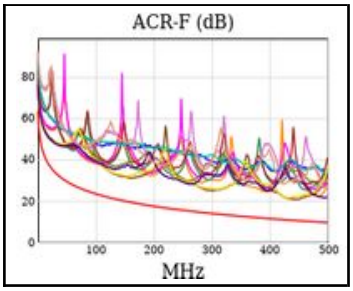


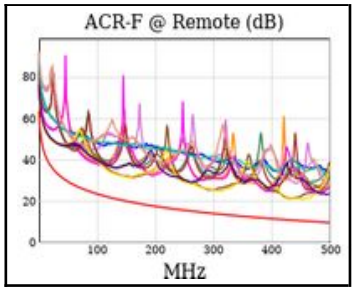
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.0	4.0	5.2	5.9
Freq. (MHz)	166.0	234.0	460.0	464.0
Limit (dB)	36.2	33.6	27.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	6.1	6.8	7.1
Freq. (MHz)	460.0	234.0	460.0	500.0
Limit (dB)	24.2	30.7	24.2	23.2



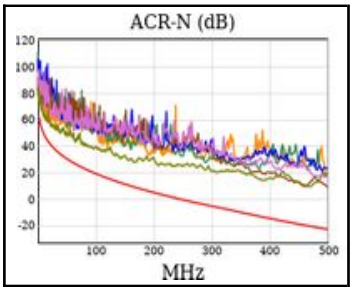


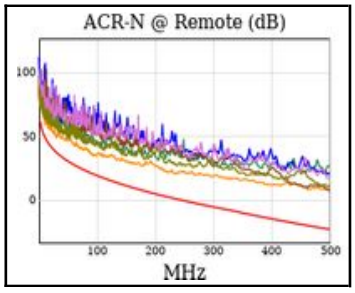
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.5	10.2	10.6
Freq. (MHz)	447.0	436.0	447.0	455.0
Limit (dB)	10.3	10.5	10.3	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.0	11.0	11.4	12.5
Freq. (MHz)	7.5	2.1	484.0	455.0
Limit (dB)	42.8	53.7	6.6	7.1



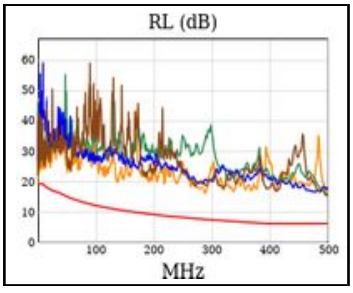


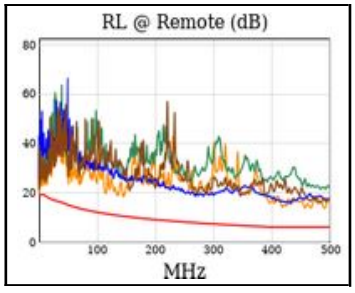
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.0	10.4	31.8	30.2
Freq. (MHz)	3.4	11.9	500.0	500.0
Limit (dB)	60.4	48.3	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	11.7	29.4	29.5
Freq. (MHz)	3.4	12.0	464.0	500.0
Limit (dB)	57.9	45.6	-23.2	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.3	4.5	9.2	7.6
Freq. (MHz)	11.3	11.4	498.0	492.0
Limit (dB)	18.7	18.7	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-2-B

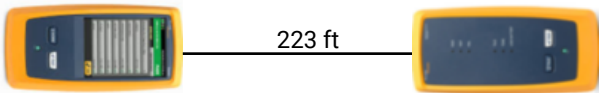
Test Summary: PASS

Date / Time: 11/20/2022 05:30:57 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

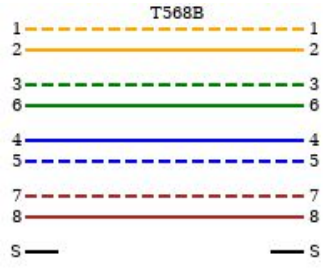
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	223
Prop. Delay (ns), Limit 555	[Pair 4,5]	352
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	18.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

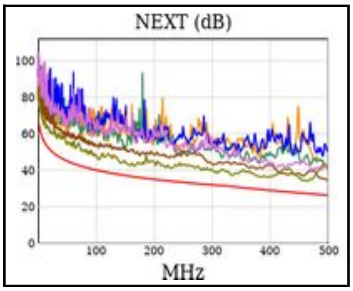


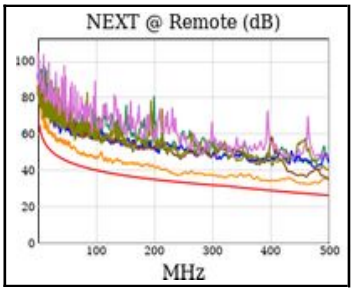
PASS



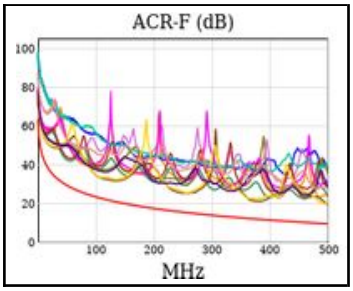


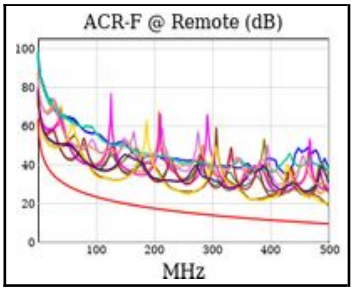
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.8	3.7	6.7	5.3
Freq. (MHz)	106.5	242.0	465.0	464.0
Limit (dB)	39.5	33.4	27.0	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.0	6.0	8.0	6.7
Freq. (MHz)	458.0	245.5	458.0	464.0
Limit (dB)	24.2	30.3	24.2	24.1



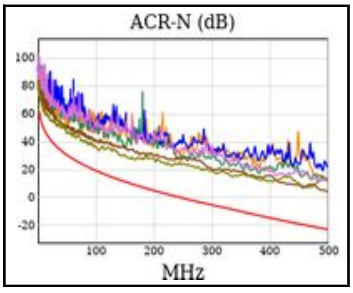


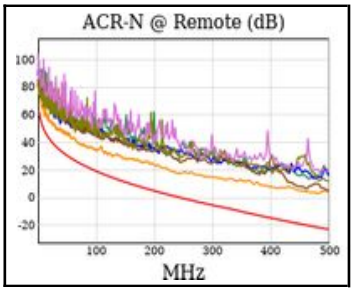
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.4	9.9	9.7
Freq. (MHz)	375.0	257.0	500.0	500.0
Limit (dB)	11.8	15.1	9.3	9.3
Worst Pair	3,6	4,5	4,5	3,6
PS ACR-F (dB)	11.2	11.0	11.3	12.0
Freq. (MHz)	257.0	256.0	500.0	500.0
Limit (dB)	12.1	12.1	6.3	6.3



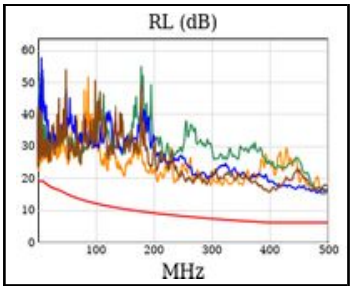


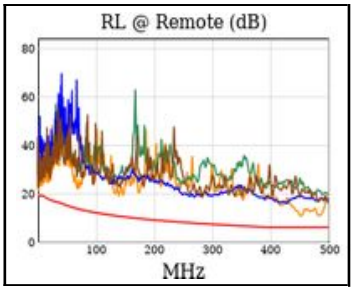
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	10.5	26.9	24.6
Freq. (MHz)	2.9	12.3	500.0	484.0
Limit (dB)	61.4	48.0	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	11.7	28.2	26.5
Freq. (MHz)	3.0	3.0	500.0	500.0
Limit (dB)	58.4	58.4	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	6.1	4.3	9.0	4.5
Freq. (MHz)	8.4	8.4	495.0	452.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-3-A

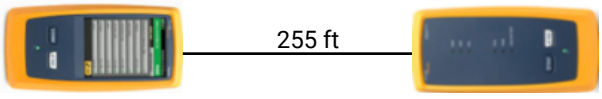
Test Summary: PASS

Date / Time: 11/20/2022 05:31:42 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

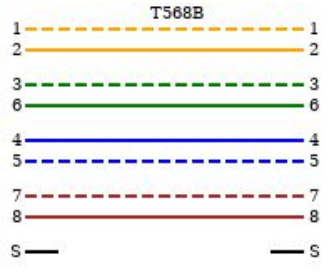
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

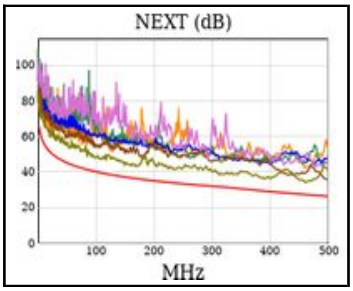
Length (ft), Limit 328	[Pair 1,2]	255
Prop. Delay (ns), Limit 555	[Pair 4,5]	401
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	14.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

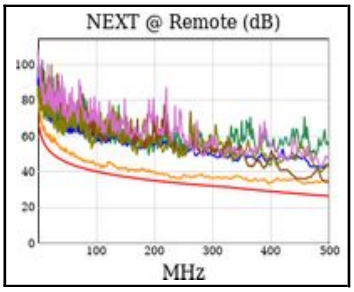


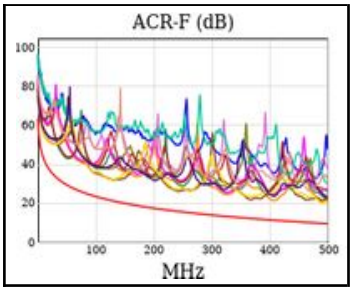
PASS

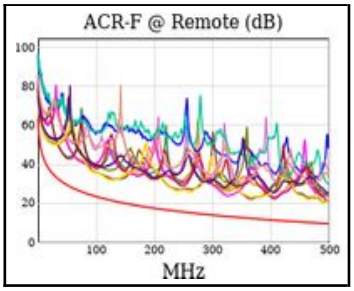


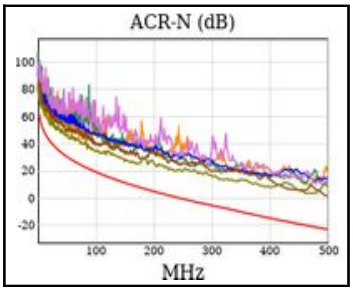


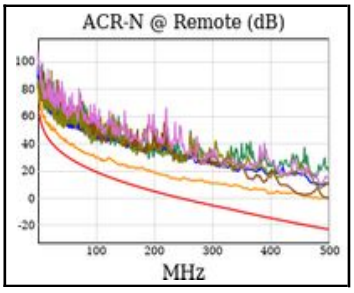


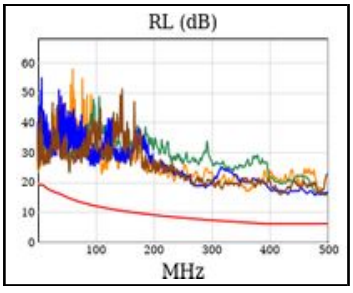


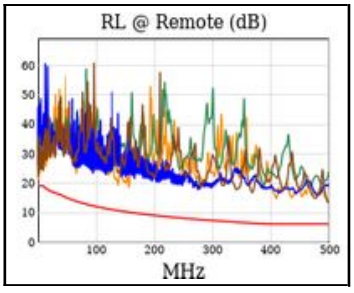












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	6.5	2.6	6.8	5.8
Freq. (MHz)	170.0	240.5	463.0	461.0
Limit (dB)	36.0	33.4	27.0	27.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	7.9	5.4	8.2	7.6
Freq. (MHz)	5.0	240.0	462.0	495.0
Limit (dB)	59.0	30.5	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.0	9.8	10.6
Freq. (MHz)	369.0	369.0	490.0	490.0
Limit (dB)	11.9	11.9	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.6	9.8	11.3
Freq. (MHz)	490.0	406.0	490.0	490.0
Limit (dB)	6.5	8.1	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	7.2	24.4	21.1
Freq. (MHz)	5.0	5.0	499.0	485.0
Limit (dB)	56.9	56.9	-23.1	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	8.7	25.9	21.8
Freq. (MHz)	5.0	5.0	500.0	495.0
Limit (dB)	54.3	54.3	-26.1	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	6.5	5.1	9.6	7.3
Freq. (MHz)	9.9	9.8	494.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-3-B

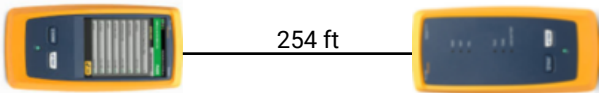
Test Summary: PASS

Date / Time: 11/20/2022 05:32:19 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

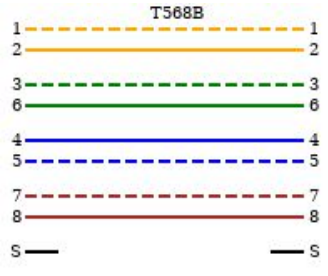
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	254
Prop. Delay (ns), Limit 555	[Pair 4,5]	402
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	14.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

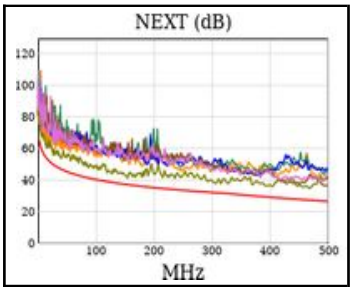


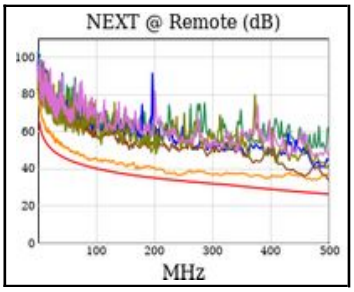
PASS



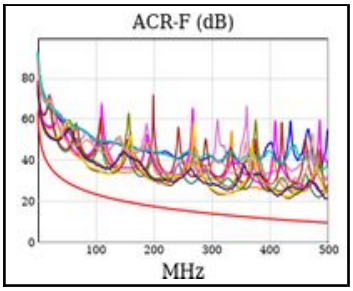


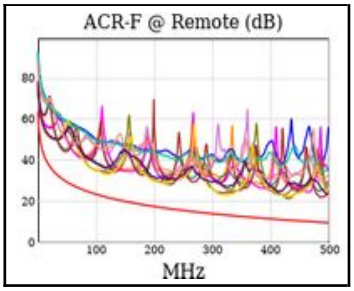
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.1	2.8	7.3	7.5
Freq. (MHz)	155.5	241.0	469.0	500.0
Limit (dB)	36.7	33.4	26.9	26.1
Worst Pair	3,6	1,2	7,8	3,6
PS NEXT (dB)	6.6	5.6	9.2	8.2
Freq. (MHz)	155.5	240.0	469.0	500.0
Limit (dB)	33.8	30.5	24.0	23.2



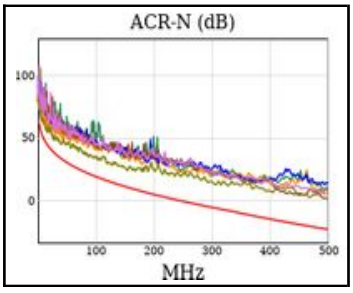


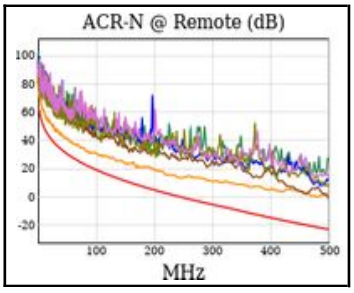
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	9.8	9.6	11.6	10.5
Freq. (MHz)	320.0	320.0	496.0	431.0
Limit (dB)	13.2	13.2	9.3	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.1	11.9	11.1
Freq. (MHz)	323.0	430.0	500.0	430.0
Limit (dB)	10.1	7.6	6.3	7.6



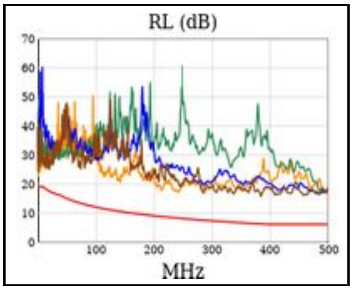


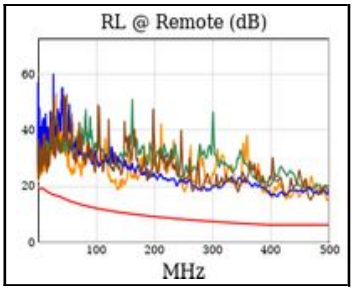
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.7	8.7	24.6	22.1
Freq. (MHz)	27.4	31.1	500.0	500.0
Limit (dB)	38.6	37.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	10.1	24.5	22.5
Freq. (MHz)	3.8	3.8	500.0	500.0
Limit (dB)	57.0	57.0	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.6	4.9	9.5	8.6
Freq. (MHz)	5.9	7.3	385.0	498.0
Limit (dB)	19.0	19.0	6.1	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 101-B

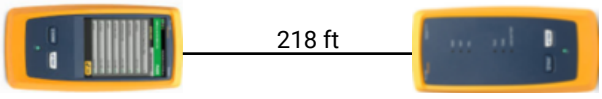
Test Summary: PASS

Date / Time: 11/22/2022 11:44:45 AM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

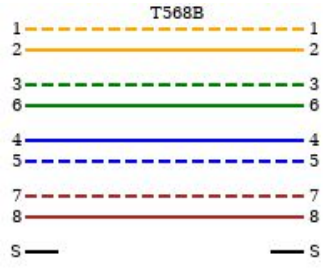
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

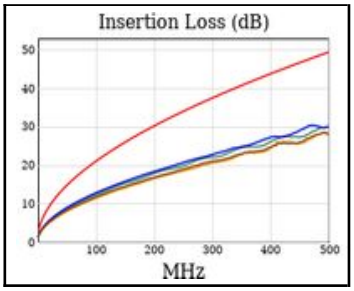
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 3,6]	337
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 7,8]	11.3
Insertion Loss Margin (dB)	[Pair 4,5]	17.6
Frequency (MHz)	[Pair 4,5]	475.0
Limit (dB)	[Pair 4,5]	47.9

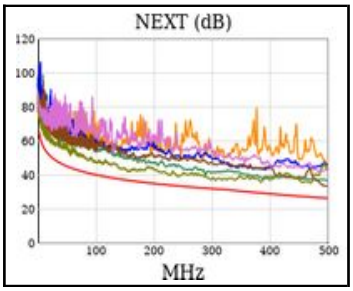


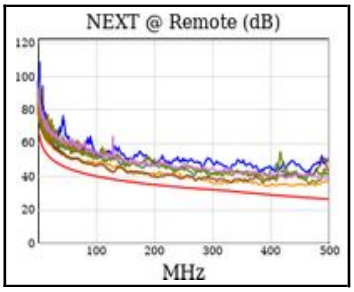
PASS



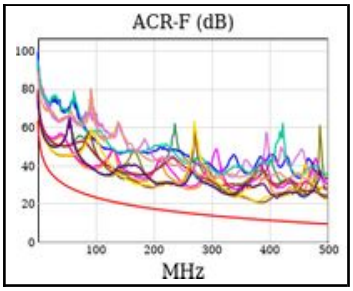


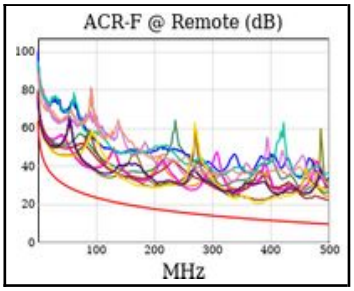
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	3.9	7.2	5.0
Freq. (MHz)	307.0	129.0	499.0	396.0
Limit (dB)	31.6	38.0	26.1	28.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.3	4.0	8.0	5.0
Freq. (MHz)	4.5	308.0	499.0	391.0
Limit (dB)	59.7	28.6	23.3	26.1



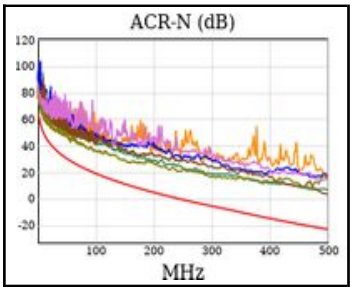


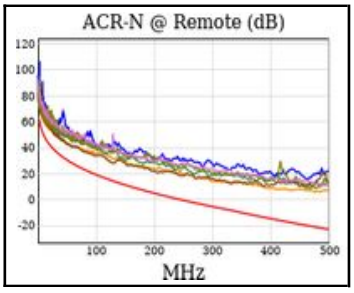
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.0	8.3	9.2	8.4
Freq. (MHz)	383.0	380.0	391.0	381.0
Limit (dB)	11.6	11.7	11.4	11.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	9.6	10.3	10.7	11.2
Freq. (MHz)	339.0	342.0	413.0	381.0
Limit (dB)	9.7	9.6	7.9	8.6



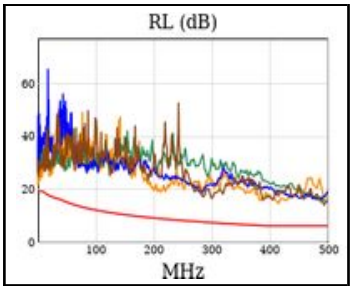


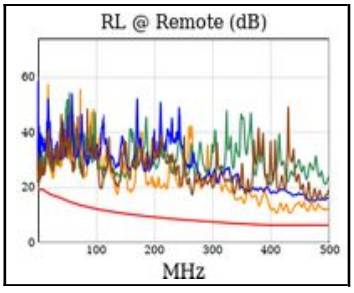
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	8.8	26.5	26.8
Freq. (MHz)	3.0	4.4	499.0	478.0
Limit (dB)	61.4	58.1	-23.1	-21.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.1	8.1	27.4	27.0
Freq. (MHz)	3.0	4.5	499.0	478.0
Limit (dB)	58.4	55.3	-26.0	-24.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.6	4.3	7.8	4.3
Freq. (MHz)	8.5	411.0	494.0	411.0
Limit (dB)	19.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-A

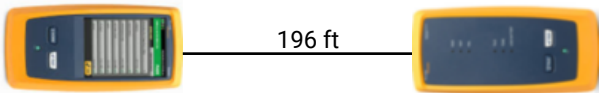
Test Summary: PASS

Date / Time: 11/22/2022 11:50:27 AM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

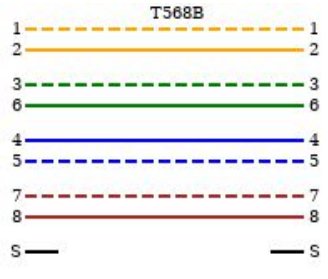
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	196
Prop. Delay (ns), Limit 555	[Pair 3,6]	303
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 4,5]	22.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3



PASS

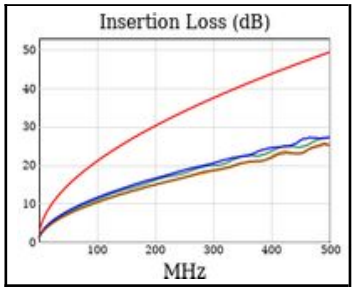


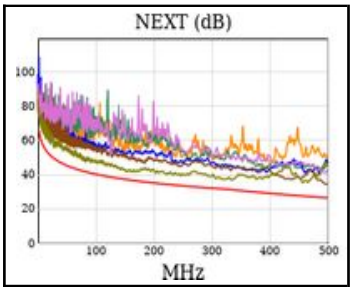
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.4	5.8	7.8	7.4
Freq. (MHz)	154.0	308.0	497.0	463.0
Limit (dB)	36.7	31.5	26.2	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.6	4.8	9.6	8.0
Freq. (MHz)	5.0	83.3	497.0	462.0
Limit (dB)	59.0	38.5	23.3	24.1

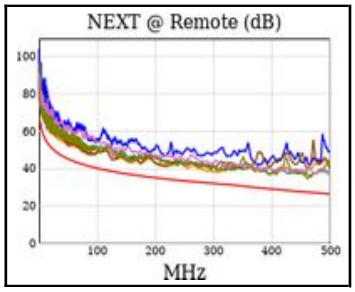
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.4	10.0	9.5
Freq. (MHz)	384.0	380.0	384.0	382.0
Limit (dB)	11.6	11.7	11.6	11.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.4	12.3	11.8
Freq. (MHz)	7.3	3.8	425.0	382.0
Limit (dB)	43.1	48.8	7.7	8.6

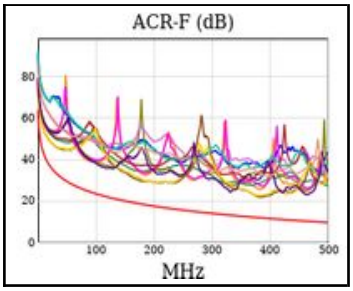
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-4,5
ACR-N (dB)	9.4	8.7	30.0	29.3
Freq. (MHz)	5.1	3.3	498.0	466.0
Limit (dB)	56.6	60.7	-23.1	-20.5
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.0	7.9	31.7	31.9
Freq. (MHz)	5.0	5.0	498.0	500.0
Limit (dB)	54.3	54.3	-25.9	-26.1

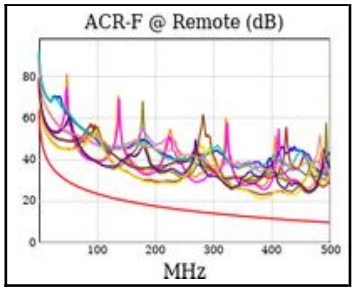
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.0	6.4	6.0	7.8
Freq. (MHz)	405.0	159.5	405.0	434.0
Limit (dB)	6.0	10.0	6.0	6.0

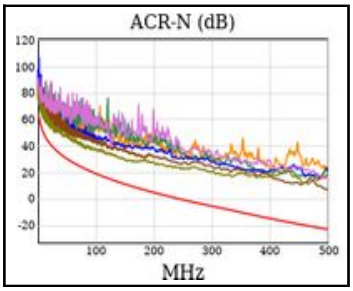


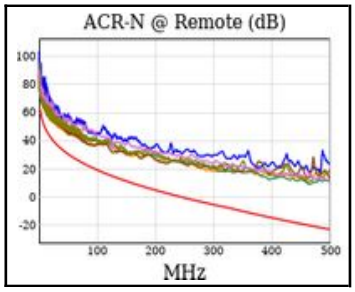


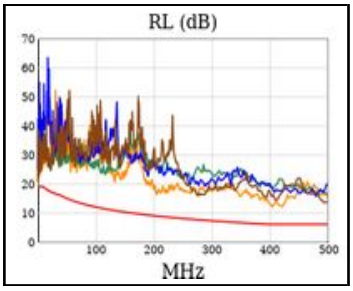


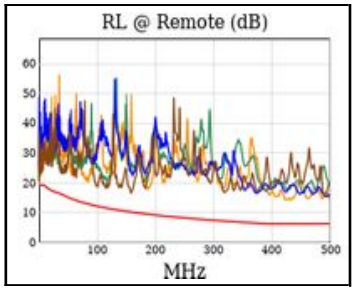












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-B

Test Summary: PASS

Date / Time: 11/26/2022 04:40:46 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	98
Prop. Delay (ns), Limit 555	[Pair 3,6]	151
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	34.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	4.1	7.4	5.0
Freq. (MHz)	232.5	78.5	482.0	499.0
Limit (dB)	33.7	41.7	26.5	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	5.1	8.5	6.9
Freq. (MHz)	232.5	157.5	500.0	500.0
Limit (dB)	30.7	33.7	23.2	23.2

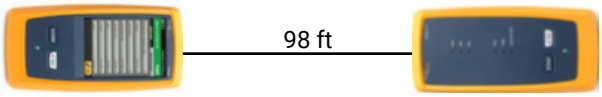
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	10.3	10.2	10.3
Freq. (MHz)	500.0	480.0	500.0	480.0
Limit (dB)	9.3	9.6	9.3	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	10.9	12.5	11.0
Freq. (MHz)	26.0	473.0	500.0	477.0
Limit (dB)	32.0	6.8	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	8.7	42.7	40.7
Freq. (MHz)	3.6	3.8	500.0	499.0
Limit (dB)	59.8	59.5	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	10.1	43.3	41.7
Freq. (MHz)	3.5	3.8	500.0	500.0
Limit (dB)	57.6	57.0	-26.1	-26.1

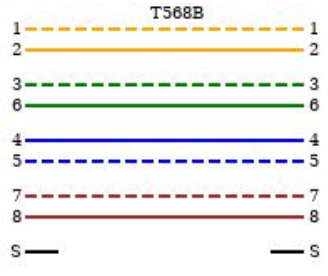
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	2.1	4.3	5.0	6.3
Freq. (MHz)	40.3	186.5	480.0	473.0
Limit (dB)	16.0	9.3	6.0	6.0

Compliant Network Standards:

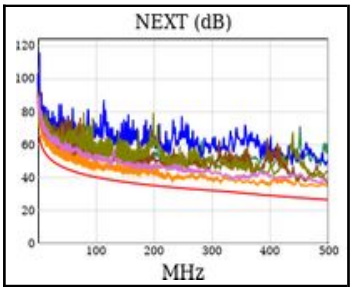
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

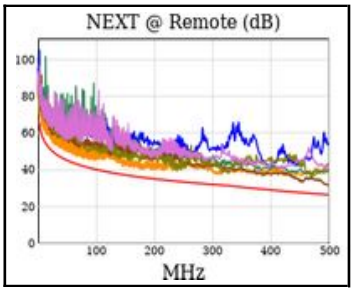


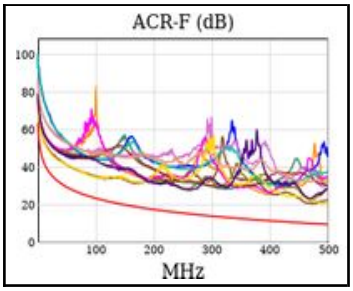
PASS

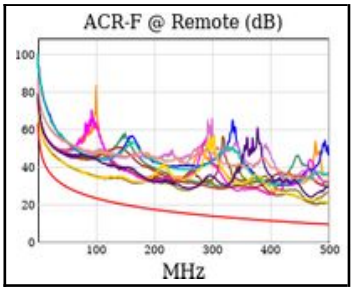


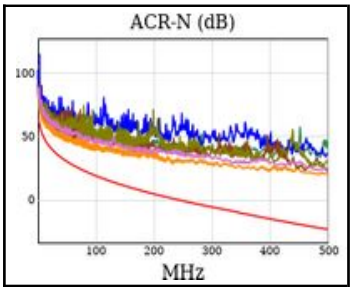


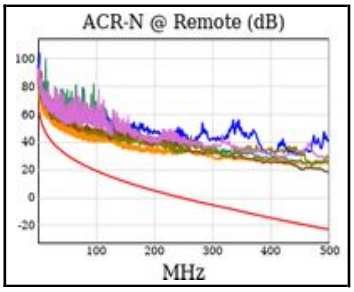


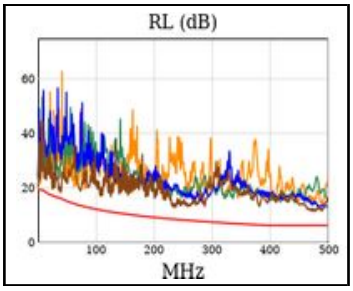


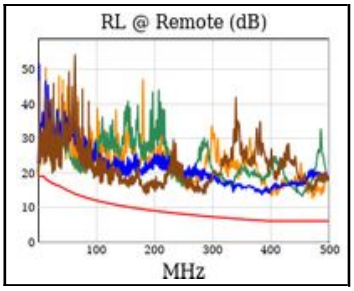












FLUKE networks

LinkWare Live

Cable ID: 102-B

Test Summary: PASS

Date / Time: 12/04/2022 02:27:24 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	30.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.9	1.4	8.6	6.3
Freq. (MHz)	4.8	210.0	466.0	491.0
Limit (dB)	61.8	34.4	26.9	26.3
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	3.4	2.5	7.8	6.5
Freq. (MHz)	4.8	207.5	466.0	490.0
Limit (dB)	59.3	31.6	24.0	23.5

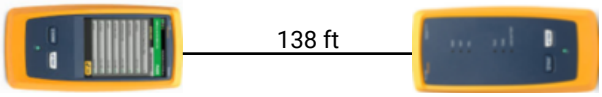
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.7	11.5	11.8	11.6
Freq. (MHz)	407.0	393.0	409.0	407.0
Limit (dB)	11.1	11.4	11.0	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	13.2	11.9	13.2
Freq. (MHz)	407.0	393.0	407.0	393.0
Limit (dB)	8.1	8.4	8.1	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	6.7	6.6	40.2	36.0
Freq. (MHz)	4.6	4.6	486.0	491.0
Limit (dB)	57.6	57.6	-22.1	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.0	6.5	37.1	36.3
Freq. (MHz)	4.6	4.8	459.0	490.0
Limit (dB)	55.1	54.8	-22.8	-25.3

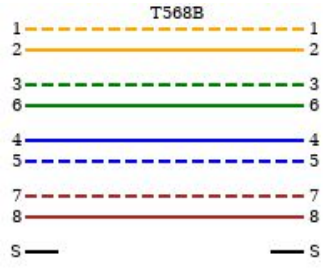
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.0	4.8	7.1	7.1
Freq. (MHz)	18.0	47.0	464.0	498.0
Limit (dB)	17.7	15.3	6.0	6.0

Compliant Network Standards:

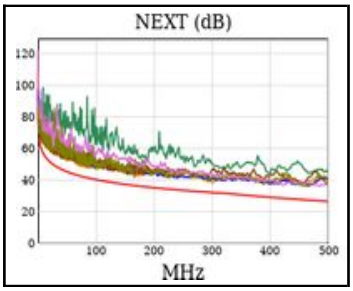
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

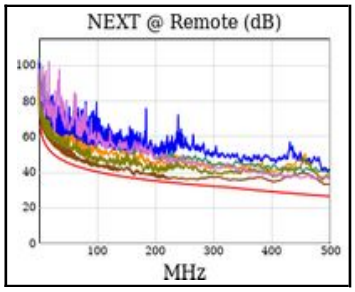


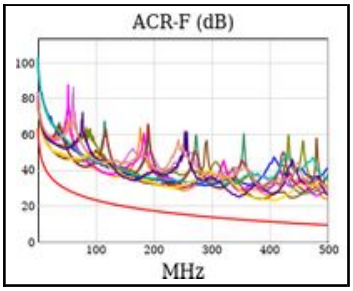
PASS

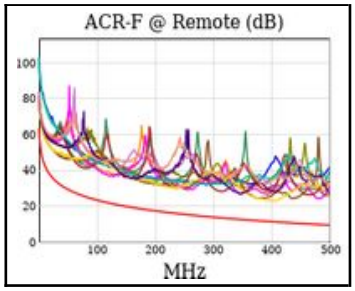


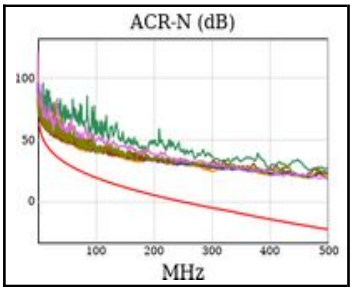


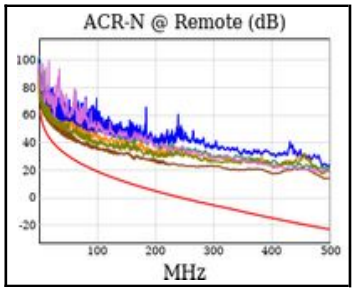


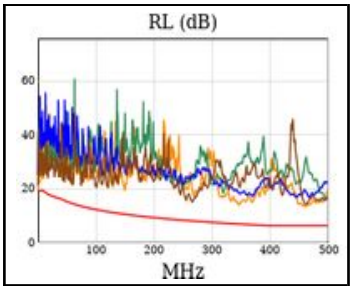


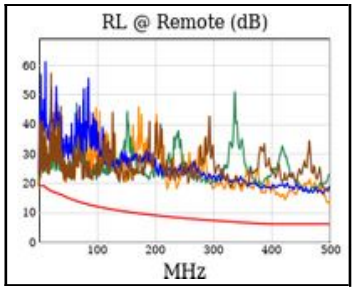












FLUKE networks

LinkWare Live

Cable ID: 104-1-A

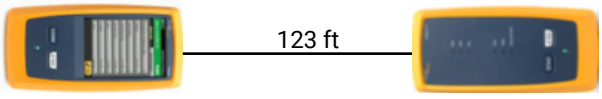
Test Summary: PASS

Date / Time: 11/27/2022 11:29:04 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

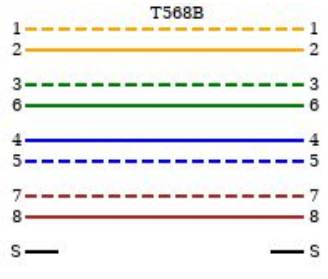
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

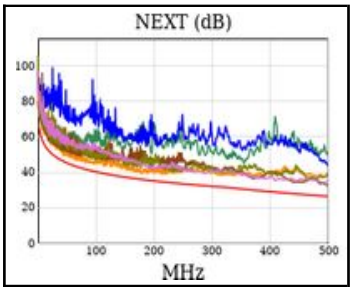
Length (ft), Limit 328	[Pair 1,2]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	193
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

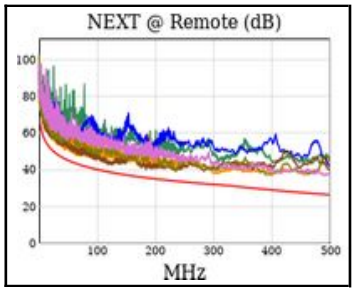


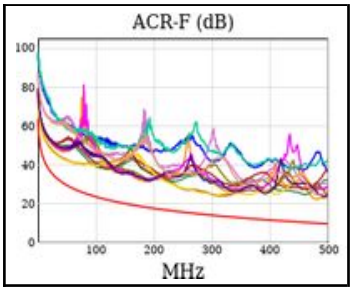
PASS

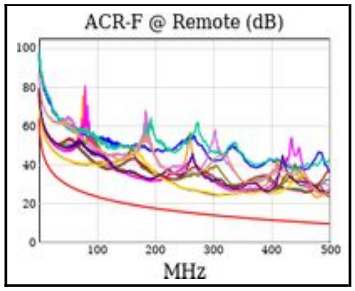


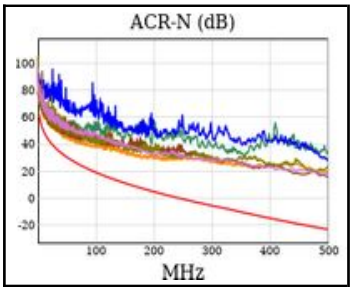


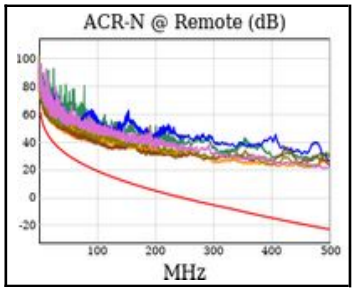


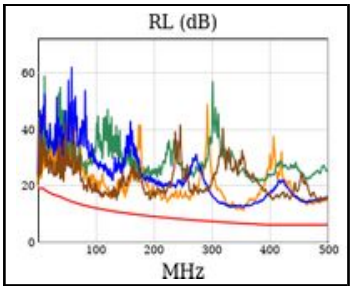


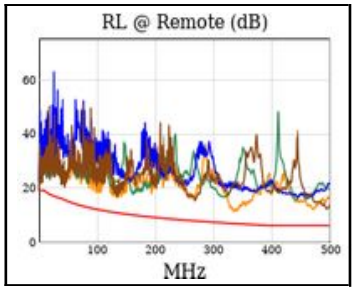












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	3.2	3.7	6.1	9.8
Freq. (MHz)	179.0	118.5	500.0	489.0
Limit (dB)	35.6	38.7	26.1	26.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	3.4	4.0	6.8	7.7
Freq. (MHz)	44.0	64.3	500.0	399.0
Limit (dB)	43.2	40.4	23.2	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	10.4	10.4	12.3	13.2
Freq. (MHz)	315.0	309.0	484.0	479.0
Limit (dB)	13.3	13.5	9.6	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.7	11.8	13.8
Freq. (MHz)	334.0	6.4	494.0	497.0
Limit (dB)	9.8	44.2	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	8.3	9.1	38.8	42.3
Freq. (MHz)	2.9	3.0	500.0	489.0
Limit (dB)	61.4	61.4	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	8.9	38.3	41.3
Freq. (MHz)	3.3	2.9	497.0	467.0
Limit (dB)	58.2	58.4	-25.8	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.1	4.2	4.6	4.2
Freq. (MHz)	136.5	335.0	355.0	335.0
Limit (dB)	10.6	6.7	6.5	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-1-B

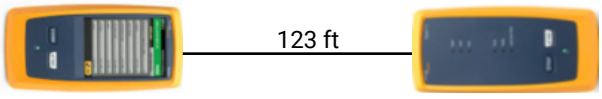
Test Summary: PASS

Date / Time: 11/27/2022 11:29:31 AM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

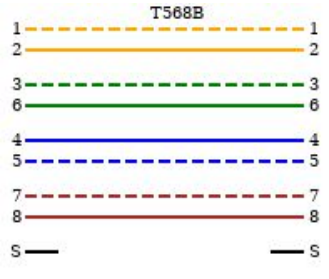
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	194
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	12.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-7,8
NEXT (dB)	5.4	3.5	5.7	5.6
Freq. (MHz)	157.5	135.0	498.0	406.0
Limit (dB)	36.6	37.7	26.1	28.6
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	6.1	4.7	7.4	5.6
Freq. (MHz)	35.0	198.0	500.0	404.0
Limit (dB)	44.9	31.9	23.2	25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	1,2-3,6
ACR-F (dB)	10.8	11.2	10.9	14.4
Freq. (MHz)	316.0	316.0	319.0	496.0
Limit (dB)	13.3	13.3	13.2	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.5	13.1	14.9
Freq. (MHz)	3.5	6.1	399.0	496.0
Limit (dB)	49.4	44.5	8.2	6.3

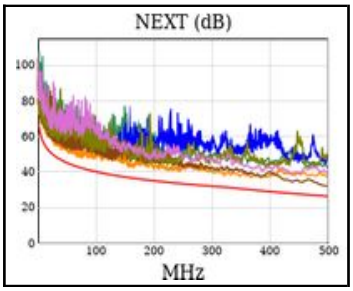
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-7,8
ACR-N (dB)	9.3	9.6	38.1	39.6
Freq. (MHz)	5.8	5.8	498.0	471.0
Limit (dB)	55.6	55.6	-23.1	-20.9
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.2	9.3	39.0	39.6
Freq. (MHz)	3.0	5.3	500.0	471.0
Limit (dB)	58.4	53.9	-26.1	-23.8

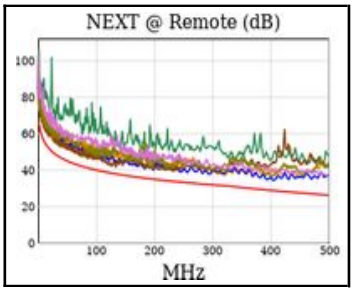
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.5	3.4	6.0	3.8
Freq. (MHz)	118.5	342.0	479.0	462.0
Limit (dB)	11.3	6.7	6.0	6.0

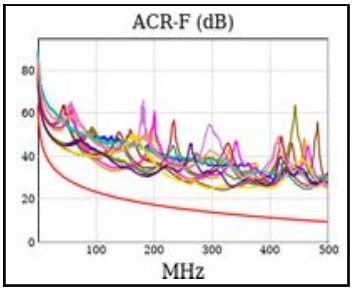
Compliant Network Standards:

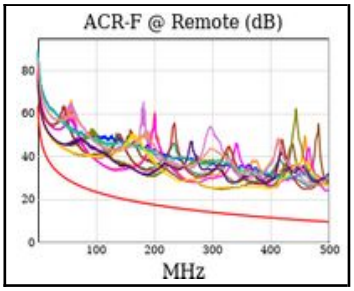
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

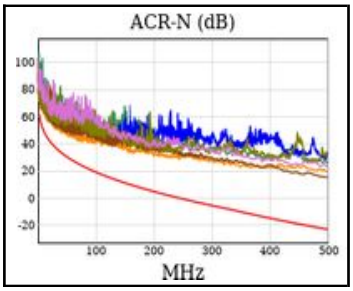


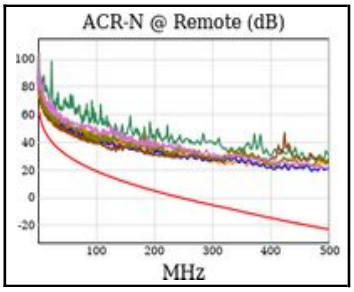


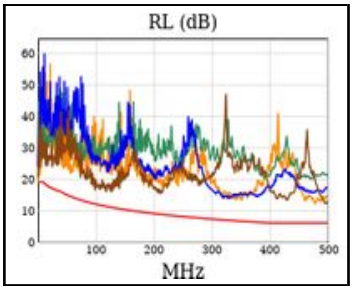


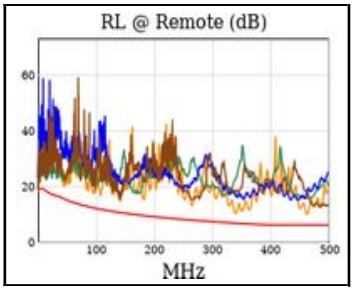












FLUKE networks

LinkWare Live

Cable ID: 104-2-A

Test Summary: PASS

Date / Time: 11/27/2022 11:38:42 AM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	103
Prop. Delay (ns), Limit 555	[Pair 4,5]	163
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	12.7
Insertion Loss Margin (dB)	[Pair 3,6]	33.8
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-7,8
NEXT (dB)	3.3	4.0	3.3	9.2
Freq. (MHz)	498.0	53.0	498.0	468.0
Limit (dB)	26.1	44.6	26.1	26.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.2	4.3	5.5	8.4
Freq. (MHz)	53.0	53.0	498.0	469.0
Limit (dB)	41.8	41.8	23.3	24.0

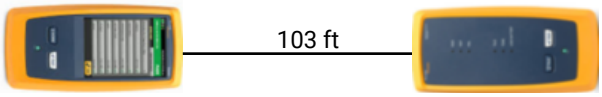
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.5	11.1	11.5
Freq. (MHz)	248.5	248.5	498.0	499.0
Limit (dB)	15.4	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.3	12.4	12.2
Freq. (MHz)	255.0	259.0	498.0	500.0
Limit (dB)	12.1	12.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-7,8
ACR-N (dB)	8.7	9.5	38.0	44.0
Freq. (MHz)	3.5	3.6	498.0	480.0
Limit (dB)	60.1	59.8	-23.1	-21.6
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	8.3	8.5	39.3	42.3
Freq. (MHz)	3.4	3.4	498.0	469.0
Limit (dB)	57.9	57.9	-25.9	-23.6

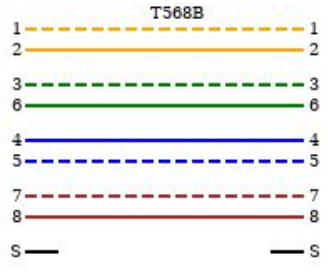
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.2	3.7	6.3	5.2
Freq. (MHz)	57.5	57.3	479.0	479.0
Limit (dB)	14.4	14.4	6.0	6.0

Compliant Network Standards:

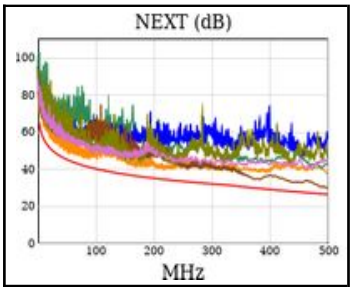
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

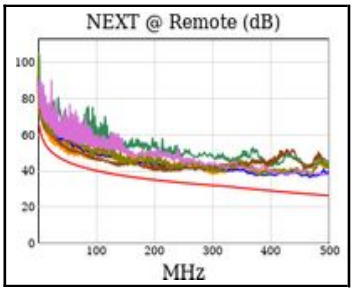


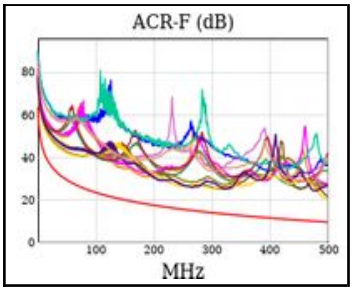
PASS

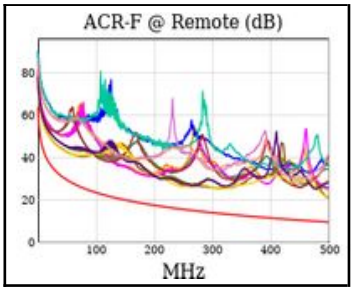


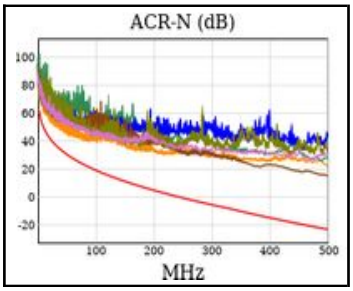


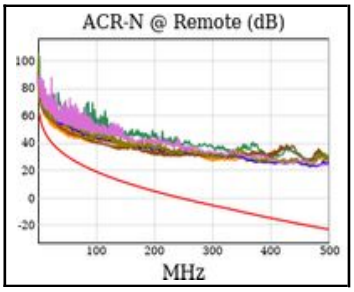


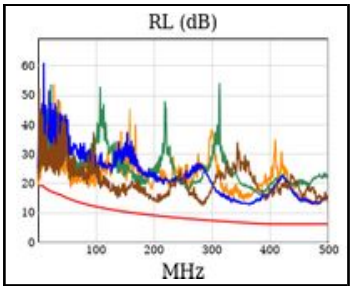


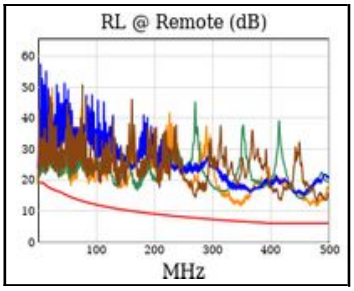












FLUKE networks

LinkWare Live

Cable ID: 104-2-B

Test Summary: PASS

Date / Time: 11/27/2022 11:47:57 AM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	103
Prop. Delay (ns), Limit 555	[Pair 4,5]	164
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	33.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	4.2	5.2	4.2	8.0
Freq. (MHz)	491.0	158.5	491.0	483.0
Limit (dB)	26.3	36.5	26.3	26.5
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.7	4.9	5.7	9.7
Freq. (MHz)	491.0	155.0	491.0	500.0
Limit (dB)	23.4	33.8	23.4	23.2

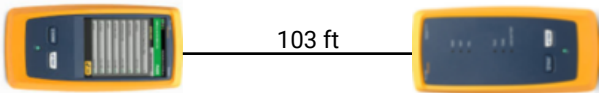
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.6	12.8	13.6
Freq. (MHz)	303.0	298.0	495.0	500.0
Limit (dB)	13.6	13.8	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.1	12.6	13.9
Freq. (MHz)	13.6	1.0	493.0	500.0
Limit (dB)	37.6	60.3	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	11.1	10.9	39.2	42.0
Freq. (MHz)	3.6	3.3	498.0	483.0
Limit (dB)	59.8	60.7	-23.1	-21.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.4	9.7	39.0	44.4
Freq. (MHz)	3.6	3.3	491.0	500.0
Limit (dB)	57.3	58.2	-25.4	-26.1

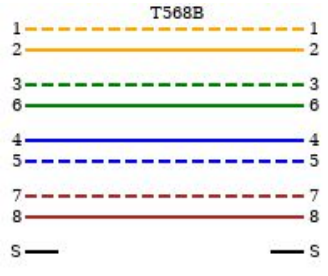
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.3	5.1	4.5	6.0
Freq. (MHz)	57.0	57.3	499.0	473.0
Limit (dB)	14.4	14.4	6.0	6.0

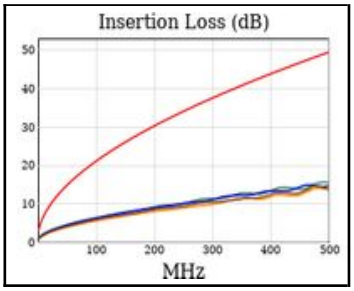
Compliant Network Standards:

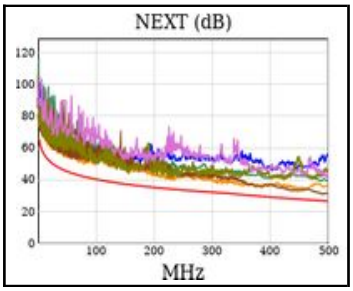
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

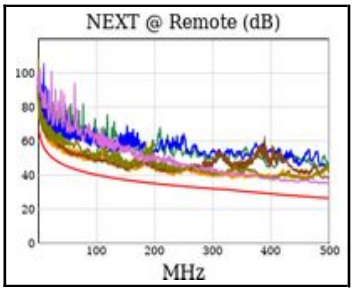


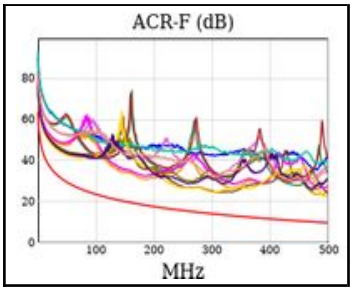
PASS

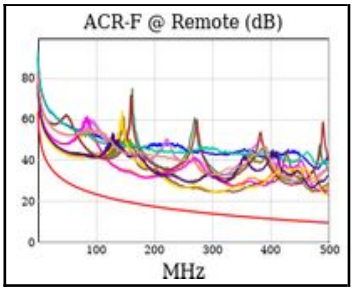


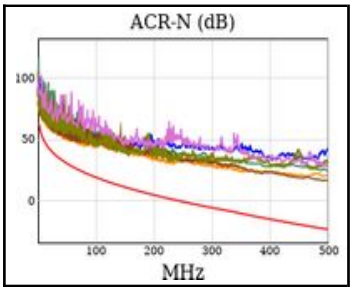


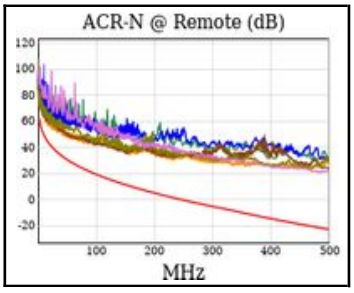


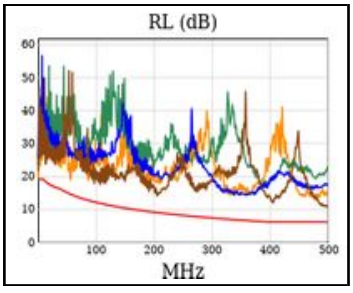


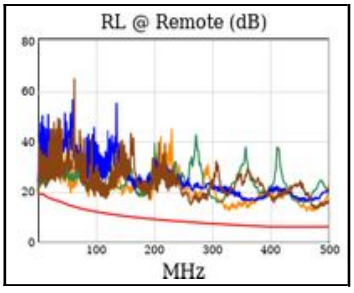












FLUKE networks

LinkWare Live

Cable ID: 104-3-A

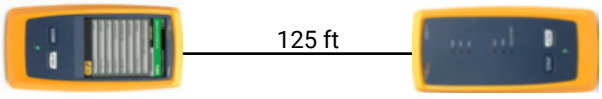
Test Summary: PASS

Date / Time: 11/27/2022 11:59:30 AM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

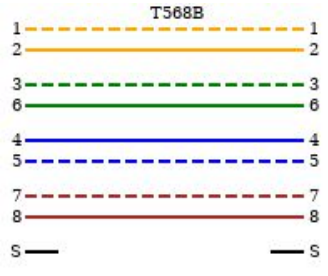
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

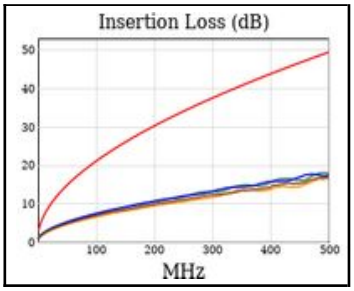
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

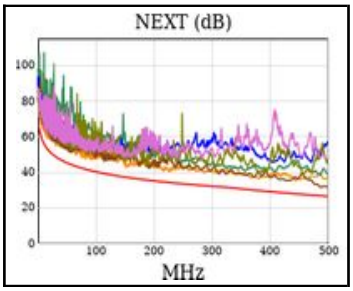


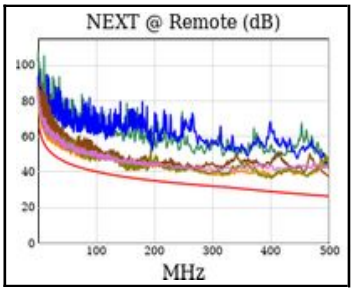
PASS



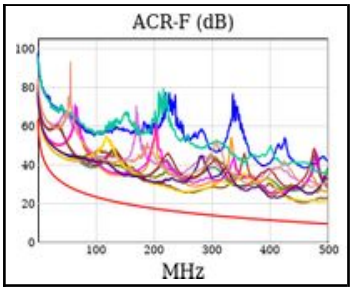


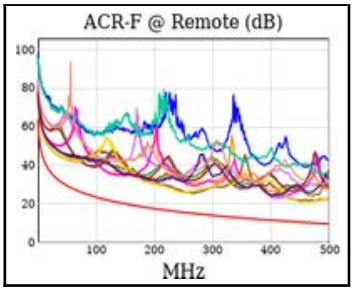
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.6	3.5	4.6	7.0
Freq. (MHz)	488.0	153.0	488.0	402.0
Limit (dB)	26.4	36.8	26.4	28.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	4.3	6.7	7.2
Freq. (MHz)	187.0	167.5	499.0	402.0
Limit (dB)	32.4	33.2	23.3	25.7



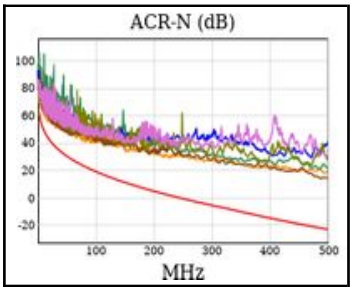


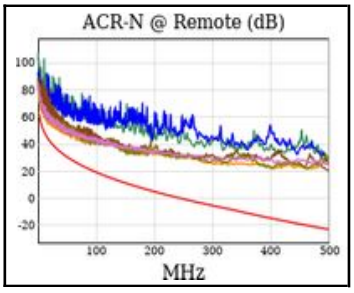
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	9.8	10.2	9.8
Freq. (MHz)	455.0	462.0	455.0	462.0
Limit (dB)	10.1	10.0	10.1	10.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.9	11.0	12.6	12.0
Freq. (MHz)	1.0	1.0	486.0	462.0
Limit (dB)	60.3	60.3	6.5	7.0



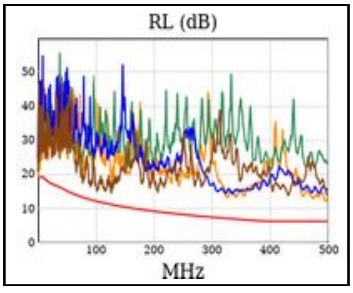


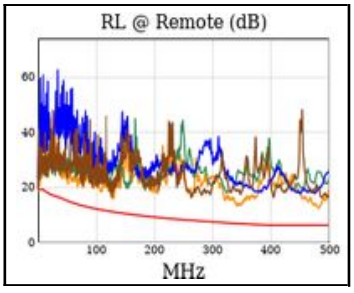
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.2	8.6	36.1	43.0
Freq. (MHz)	3.0	3.1	488.0	500.0
Limit (dB)	61.4	61.1	-22.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	10.5	38.2	43.3
Freq. (MHz)	3.3	5.3	499.0	500.0
Limit (dB)	58.2	53.9	-26.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	2.8	4.5	5.6	6.0
Freq. (MHz)	102.5	128.5	496.0	482.0
Limit (dB)	11.9	10.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-3-B

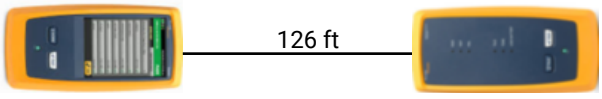
Test Summary: PASS

Date / Time: 11/27/2022 12:00:09 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

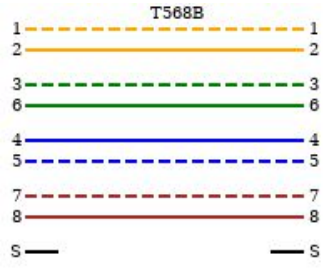
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

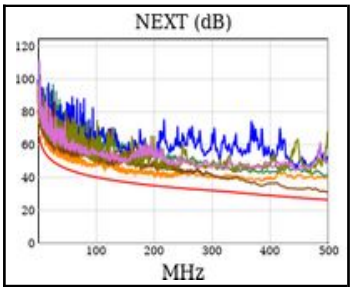
Length (ft), Limit 328	[Pair 1,2]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	199
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

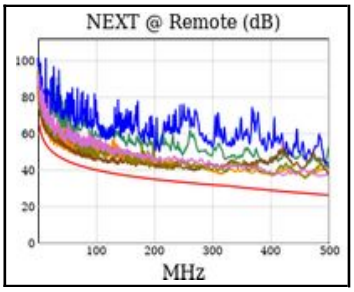


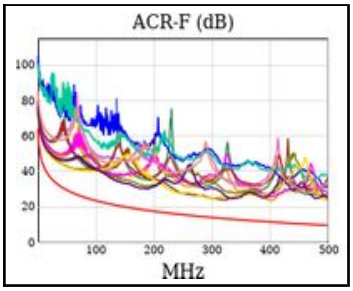
PASS

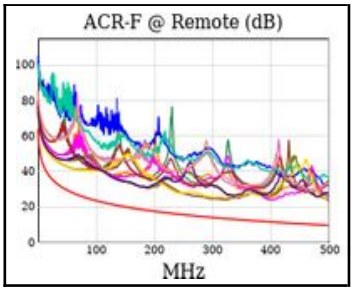


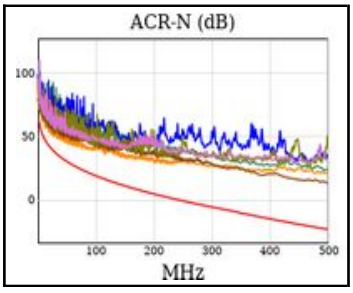


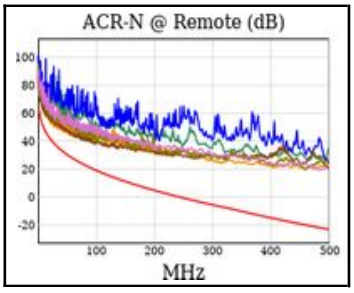


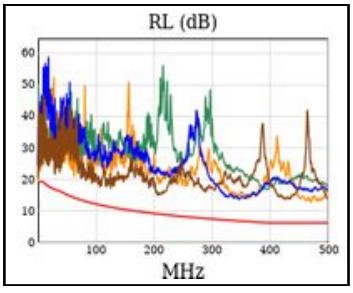


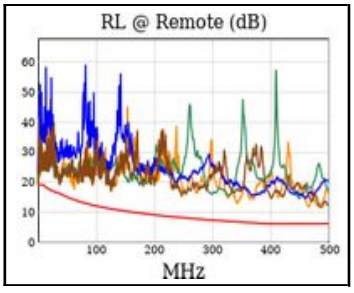












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.4	4.4	4.4	8.2
Freq. (MHz)	28.1	28.1	500.0	461.0
Limit (dB)	49.2	49.2	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	4.2	6.8	7.9
Freq. (MHz)	28.3	76.0	500.0	461.0
Limit (dB)	46.4	39.1	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.5	13.6	13.8
Freq. (MHz)	323.0	299.0	500.0	500.0
Limit (dB)	13.1	13.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.2	13.6	13.3
Freq. (MHz)	8.5	5.8	500.0	500.0
Limit (dB)	41.7	45.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	10.4	36.4	39.3
Freq. (MHz)	8.1	13.9	500.0	461.0
Limit (dB)	52.2	46.6	-23.2	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	10.4	37.7	38.5
Freq. (MHz)	3.1	7.8	500.0	461.0
Limit (dB)	58.3	50.1	-26.1	-23.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.8	2.8	6.4	5.2
Freq. (MHz)	30.1	38.3	472.0	487.0
Limit (dB)	16.6	16.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 103-A

Test Summary: PASS

Date / Time: 11/21/2022 02:33:01 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	196
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.5	3.0	6.8	4.5
Freq. (MHz)	162.5	231.0	462.0	464.0
Limit (dB)	36.3	33.7	27.0	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.3	5.4	8.6	6.5
Freq. (MHz)	148.5	230.5	462.0	464.0
Limit (dB)	34.1	30.8	24.1	24.1

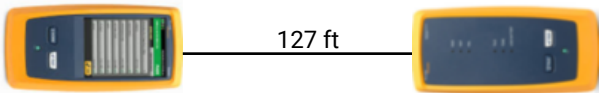
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.2	11.0	10.9
Freq. (MHz)	312.0	320.0	377.0	377.0
Limit (dB)	13.4	13.2	11.7	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.0	11.0	11.1
Freq. (MHz)	338.0	331.0	338.0	335.0
Limit (dB)	9.7	9.9	9.7	9.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.9	12.8	39.9	35.2
Freq. (MHz)	7.8	7.5	500.0	484.0
Limit (dB)	52.7	53.0	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	12.2	40.4	38.5
Freq. (MHz)	2.6	3.0	500.0	500.0
Limit (dB)	58.6	58.4	-26.1	-26.1

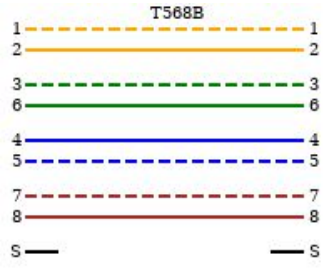
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	6.1	4.3	6.1	6.3
Freq. (MHz)	235.5	65.3	235.5	475.0
Limit (dB)	8.3	13.9	8.3	6.0

Compliant Network Standards:

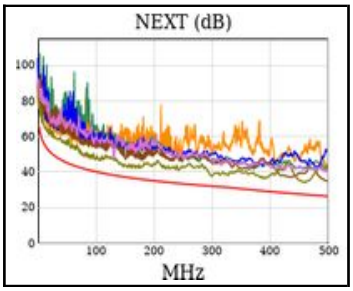
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

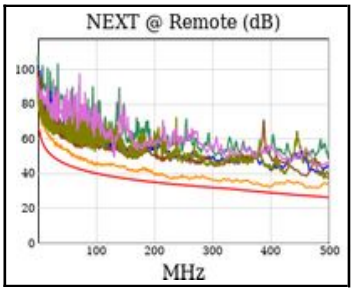


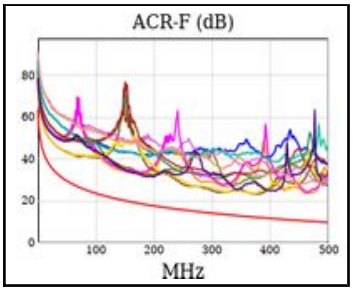
PASS

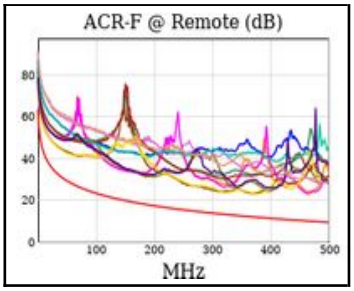


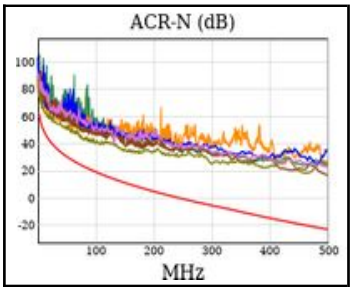


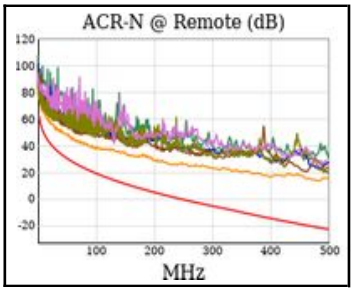


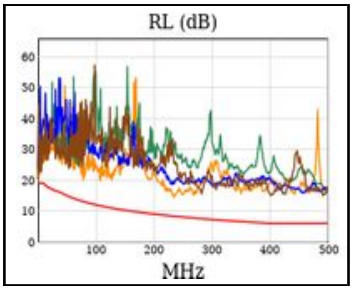


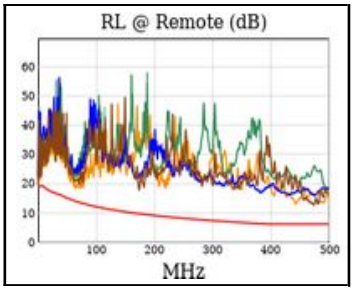












FLUKE networks

LinkWare Live

Cable ID: 103-B

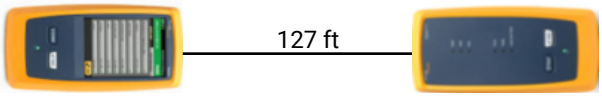
Test Summary: PASS

Date / Time: 11/21/2022 02:33:22 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

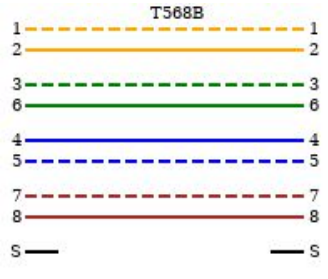
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

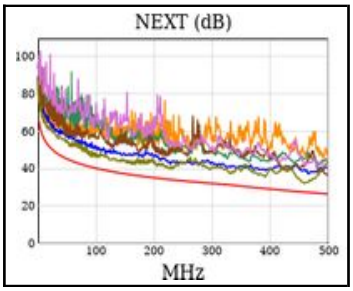
Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	196
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

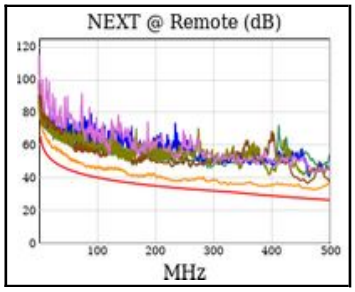


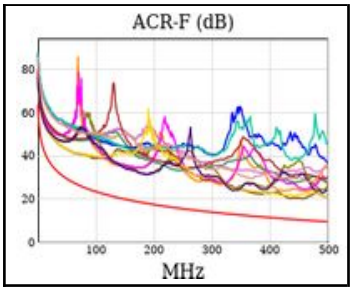
PASS

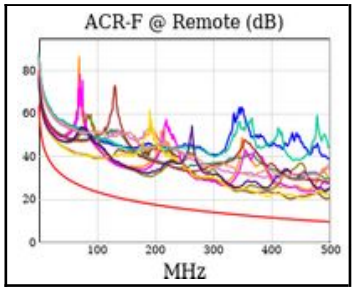


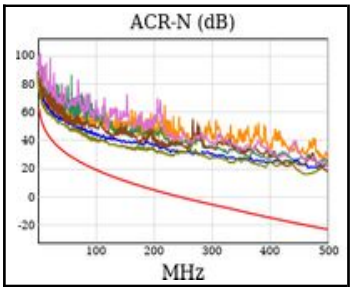


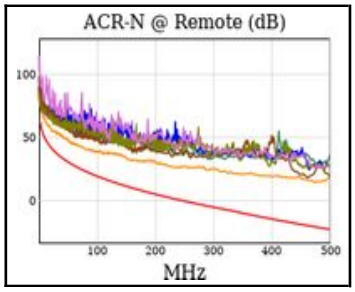


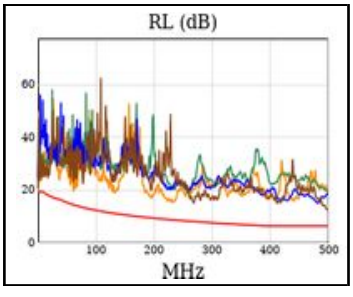


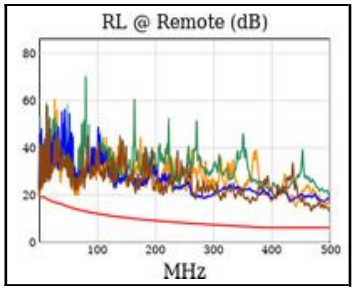












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	4.7	4.0	4.7	5.5
Freq. (MHz)	461.0	232.0	461.0	474.0
Limit (dB)	27.1	33.7	27.1	26.7
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	6.5	6.3	6.7	7.4
Freq. (MHz)	461.0	232.0	467.0	474.0
Limit (dB)	24.2	30.7	24.0	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.6	9.5	9.8	10.5
Freq. (MHz)	436.0	434.0	457.0	496.0
Limit (dB)	10.5	10.5	10.1	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	12.0	11.4
Freq. (MHz)	338.0	341.0	496.0	496.0
Limit (dB)	9.7	9.6	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	11.7	12.7	36.2	35.3
Freq. (MHz)	4.8	5.0	467.0	474.0
Limit (dB)	57.3	56.9	-20.6	-21.2
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	11.1	11.9	37.5	37.1
Freq. (MHz)	5.0	5.0	467.0	474.0
Limit (dB)	54.3	54.3	-23.5	-24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.2	5.8	6.0	6.8
Freq. (MHz)	62.3	62.5	499.0	469.0
Limit (dB)	14.1	14.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 102-B

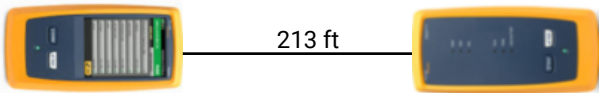
Test Summary: PASS

Date / Time: 12/10/2022 04:39:36 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

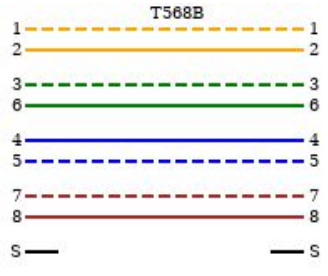
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

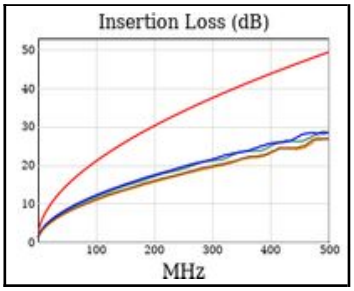
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

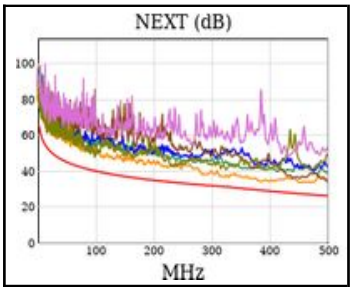
Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	338
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

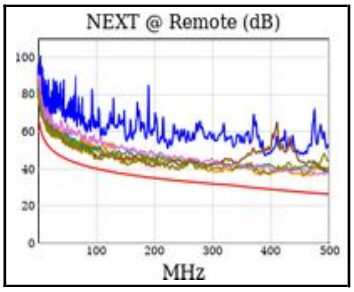


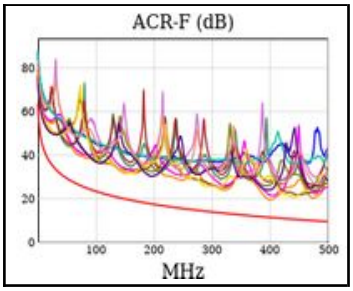
PASS

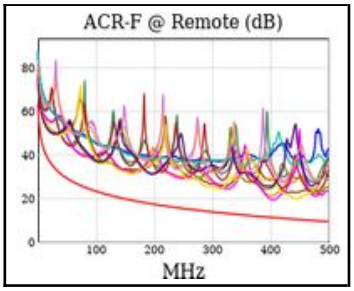


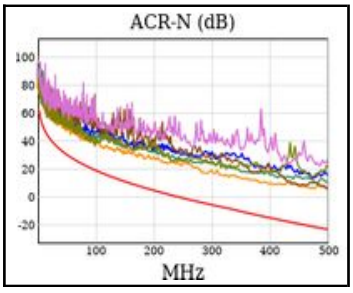


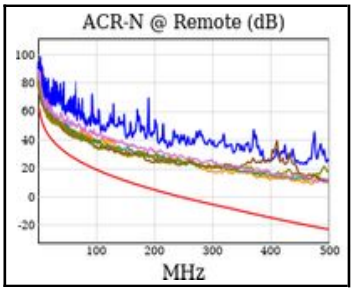


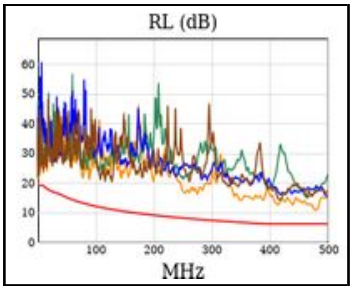


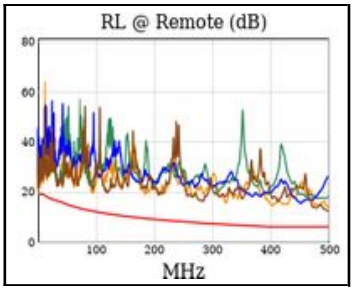












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-3,6
NEXT (dB)	4.7	4.8	6.6	8.5
Freq. (MHz)	385.0	108.5	471.0	457.0
Limit (dB)	29.2	39.3	26.8	27.2
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.7	4.4	7.0	8.6
Freq. (MHz)	387.0	145.5	453.0	458.0
Limit (dB)	26.2	34.3	24.4	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.1	8.2	8.1	8.2
Freq. (MHz)	399.0	406.0	399.0	406.0
Limit (dB)	11.2	11.1	11.2	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.7	11.0	10.8
Freq. (MHz)	399.0	402.0	475.0	482.0
Limit (dB)	8.2	8.2	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.0	10.1	28.9	30.0
Freq. (MHz)	16.0	3.0	500.0	473.0
Limit (dB)	45.0	61.4	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.3	10.2	29.2	30.8
Freq. (MHz)	3.3	7.3	500.0	494.0
Limit (dB)	58.2	50.8	-26.1	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.3	4.5	4.6	6.3
Freq. (MHz)	10.4	10.3	480.0	500.0
Limit (dB)	18.9	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 103-A

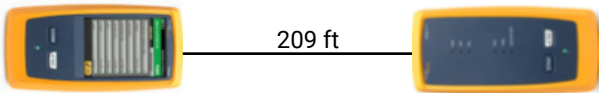
Test Summary: PASS

Date / Time: 12/10/2022 04:31:32 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

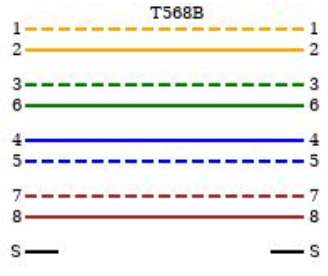
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

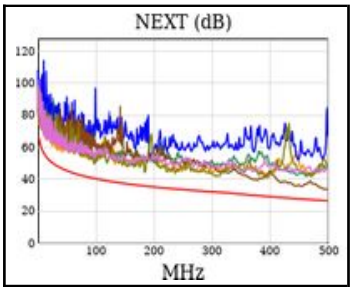
Length (ft), Limit 328	[Pair 1,2]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	331
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 4,5]	9.5
Insertion Loss Margin (dB)	[Pair 4,5]	21.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

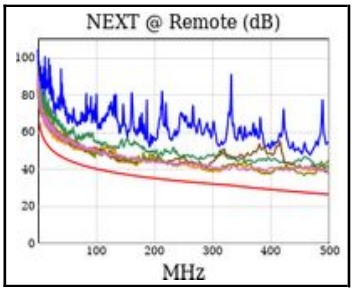


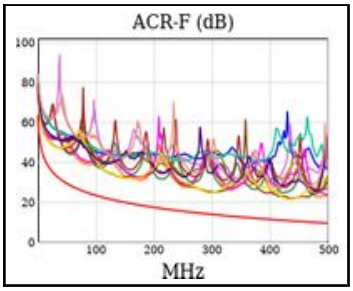
PASS

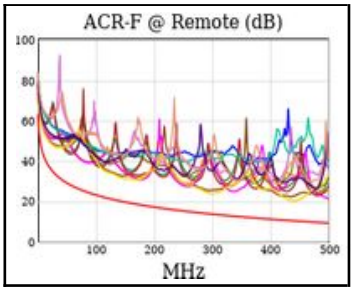


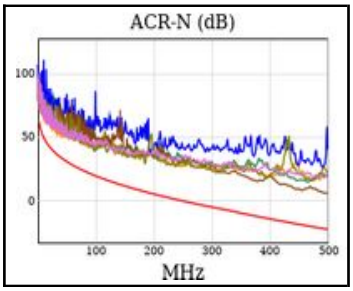


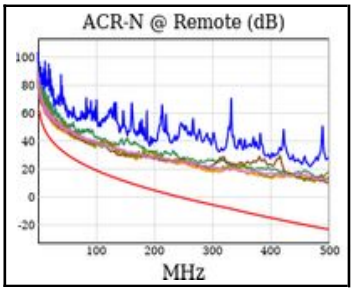


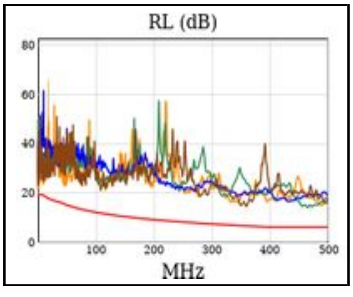


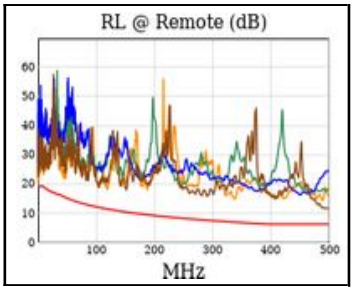












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.0	5.6	7.0	9.2
Freq. (MHz)	500.0	170.5	500.0	458.0
Limit (dB)	26.1	36.0	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.7	4.8	9.6	9.4
Freq. (MHz)	3.3	170.5	500.0	458.0
Limit (dB)	62.0	33.1	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	9.8	10.6	9.8
Freq. (MHz)	298.0	440.0	434.0	440.0
Limit (dB)	13.8	10.4	10.5	10.4
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.3	11.4	12.8	11.8
Freq. (MHz)	5.3	5.3	468.0	434.0
Limit (dB)	45.9	45.9	6.9	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.8	9.5	28.3	33.0
Freq. (MHz)	3.3	3.4	500.0	498.0
Limit (dB)	60.7	60.4	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.5	9.0	30.9	32.2
Freq. (MHz)	3.3	3.3	500.0	499.0
Limit (dB)	58.2	58.2	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	7,8
RL (dB)	4.5	4.0	7.9	5.3
Freq. (MHz)	10.5	10.5	466.0	498.0
Limit (dB)	18.9	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 103-B

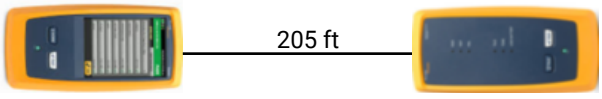
Test Summary: PASS

Date / Time: 12/10/2022 04:37:14 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

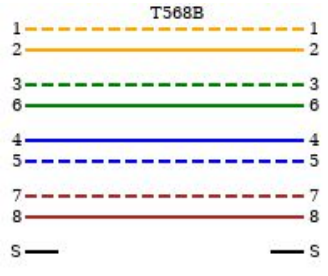
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

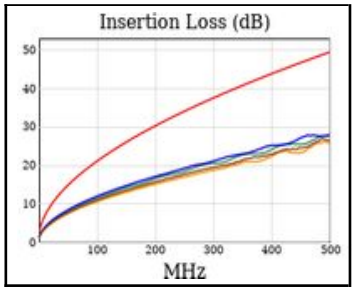
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	205
Prop. Delay (ns), Limit 555	[Pair 4,5]	326
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	10.0
Insertion Loss Margin (dB)	[Pair 4,5]	21.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

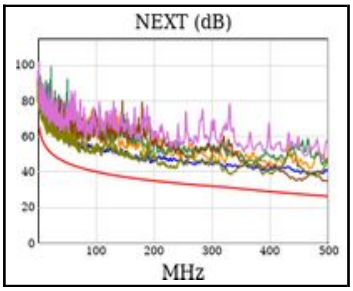


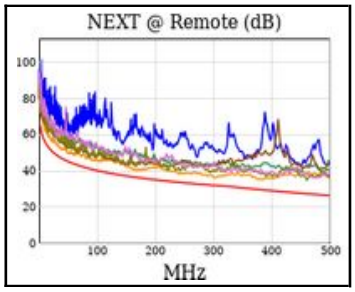
PASS



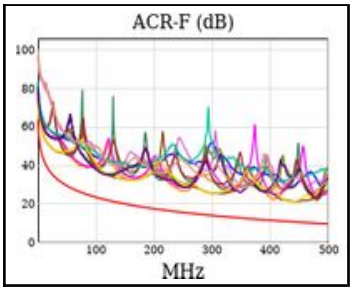


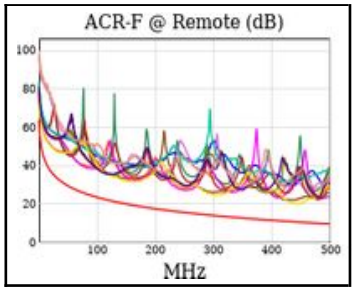
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.2	3.9	8.4	7.5
Freq. (MHz)	334.0	171.0	499.0	461.0
Limit (dB)	30.9	36.0	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.1	3.4	10.3	8.2
Freq. (MHz)	3.3	167.5	493.0	461.0
Limit (dB)	62.0	33.2	23.4	24.2



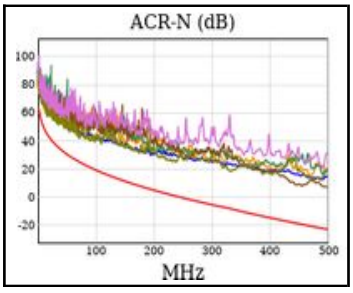


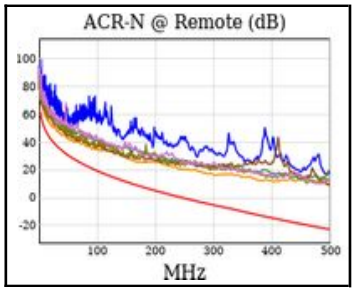
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	9.4	10.5	9.4
Freq. (MHz)	436.0	446.0	443.0	446.0
Limit (dB)	10.5	10.3	10.3	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.3	11.2	12.0
Freq. (MHz)	257.0	254.0	481.0	481.0
Limit (dB)	12.1	12.2	6.6	6.6



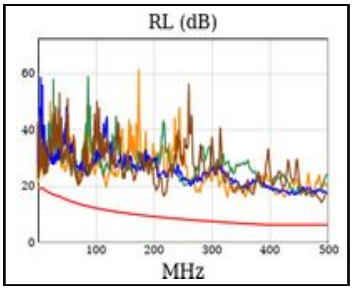


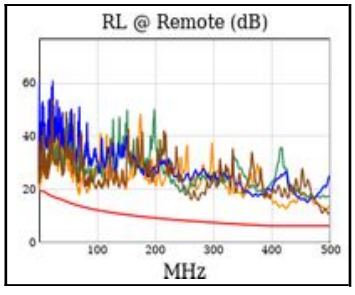
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	9.2	29.8	31.4
Freq. (MHz)	3.3	11.4	499.0	500.0
Limit (dB)	60.7	48.8	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	8.1	31.7	31.4
Freq. (MHz)	3.1	3.1	493.0	497.0
Limit (dB)	58.3	58.3	-25.5	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	4.5	4.1	8.0	4.5
Freq. (MHz)	10.5	69.5	490.0	498.0
Limit (dB)	18.9	13.6	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 103-A

Test Summary: PASS

Date / Time: 11/20/2022 06:32:51 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	96
Prop. Delay (ns), Limit 555	[Pair 4,5]	152
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	4.7
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	3.8	3.0	4.5	6.0
Freq. (MHz)	320.0	230.5	465.0	473.0
Limit (dB)	31.3	33.7	27.0	26.8
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.2	4.9	6.6	7.7
Freq. (MHz)	320.0	230.5	465.0	500.0
Limit (dB)	28.3	30.8	24.1	23.2

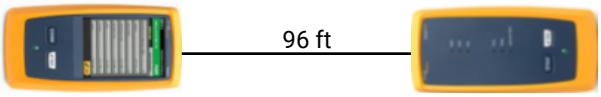
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.5	9.5	10.3
Freq. (MHz)	317.0	324.0	317.0	357.0
Limit (dB)	13.2	13.0	13.2	12.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.2	14.1	12.0
Freq. (MHz)	328.0	321.0	499.0	357.0
Limit (dB)	9.9	10.1	6.3	9.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	10.7	10.2	40.3	40.9
Freq. (MHz)	3.8	3.6	465.0	473.0
Limit (dB)	59.5	59.8	-20.4	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	11.3	44.4	43.2
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	57.3	57.3	-26.1	-26.1

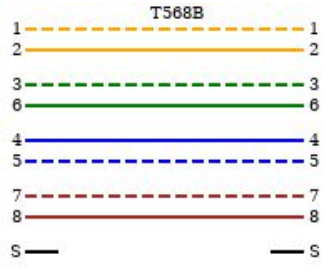
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.3	6.3	6.3	6.3
Freq. (MHz)	403.0	475.0	403.0	475.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

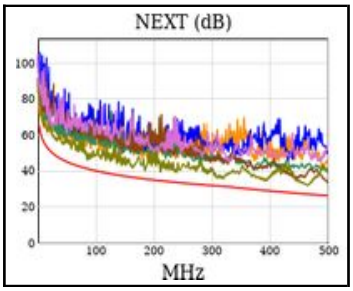
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

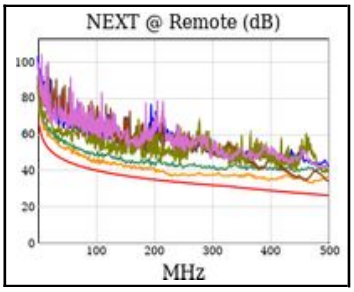


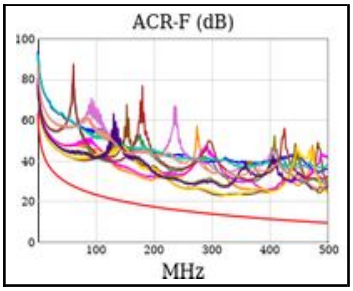
PASS

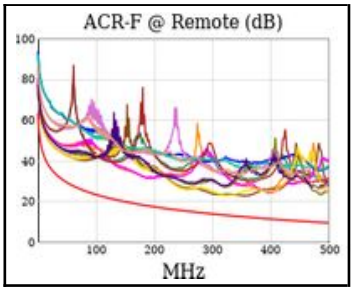


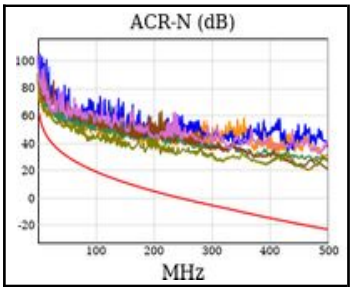


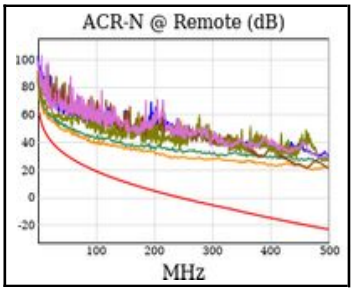


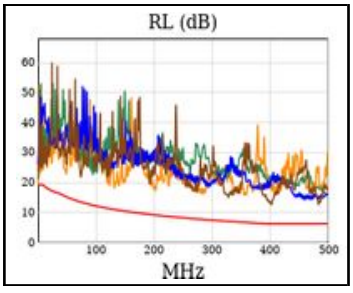


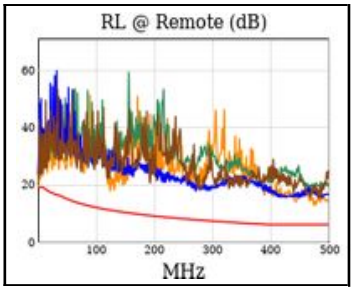












FLUKE networks

LinkWare Live

Cable ID: 103-B

Test Summary: PASS

Date / Time: 11/20/2022 06:33:09 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	96
Prop. Delay (ns), Limit 555	[Pair 4,5]	150
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	4.7
Insertion Loss Margin (dB)	[Pair 3,6]	35.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	3.3	5.7	3.3
Freq. (MHz)	305.0	473.0	494.0	473.0
Limit (dB)	31.6	26.8	26.2	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	5.2	7.3	5.2
Freq. (MHz)	456.0	472.0	494.0	472.0
Limit (dB)	24.3	23.9	23.4	23.9

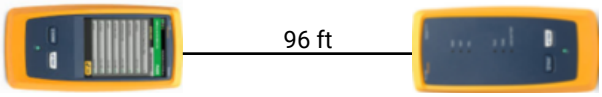
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.9	10.0	10.7	11.3
Freq. (MHz)	314.0	325.0	477.0	480.0
Limit (dB)	13.3	13.0	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.6	11.4	11.7
Freq. (MHz)	477.0	472.0	477.0	477.0
Limit (dB)	6.7	6.8	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.3	12.7	42.1	40.3
Freq. (MHz)	3.5	7.0	494.0	500.0
Limit (dB)	60.1	53.7	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	12.6	42.5	42.2
Freq. (MHz)	3.5	3.5	494.0	500.0
Limit (dB)	57.6	57.6	-25.6	-26.1

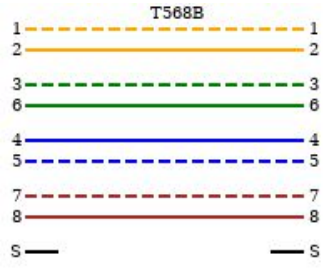
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.1	5.8	6.8	5.8
Freq. (MHz)	49.5	484.0	495.0	484.0
Limit (dB)	15.1	6.0	6.0	6.0

Compliant Network Standards:

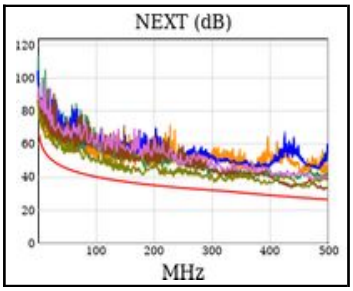
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

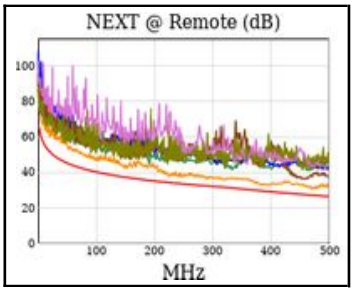


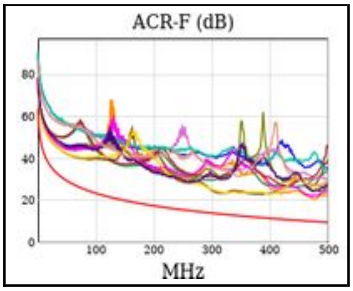
PASS

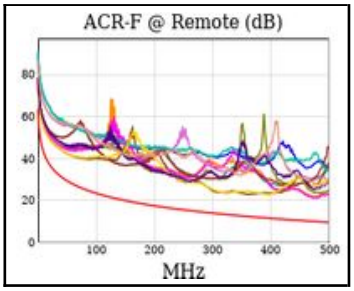


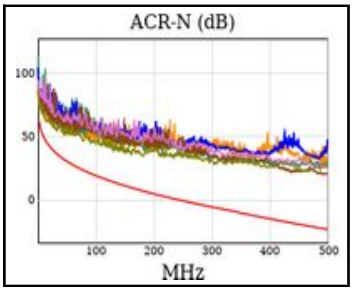


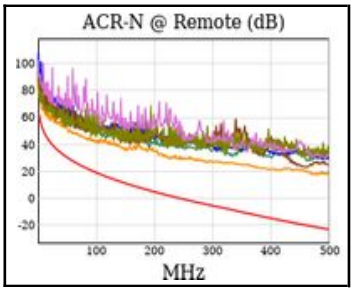


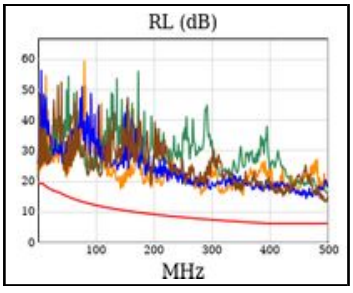


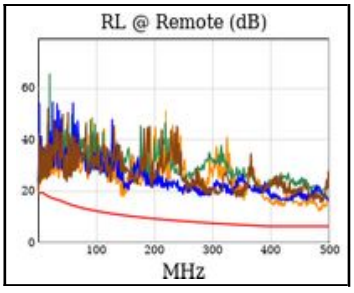












FLUKE networks

LinkWare Live

Cable ID: 102-B

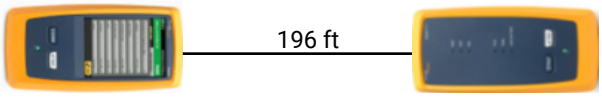
Test Summary: PASS

Date / Time: 11/22/2022 11:51:08 AM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

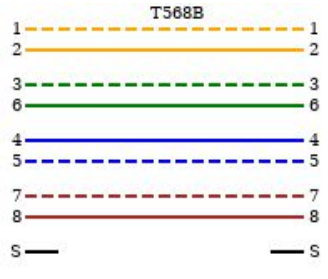
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

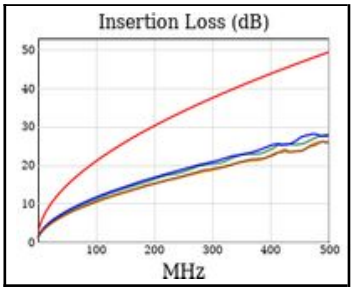
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

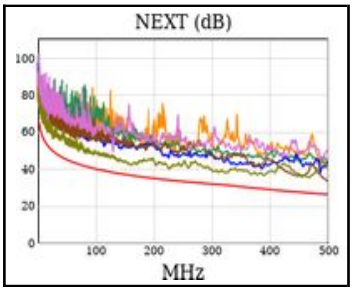
Length (ft), Limit 328	[Pair 1,2]	196
Prop. Delay (ns), Limit 555	[Pair 3,6]	303
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 4,5]	20.2
Frequency (MHz)	[Pair 4,5]	479.0
Limit (dB)	[Pair 4,5]	48.2

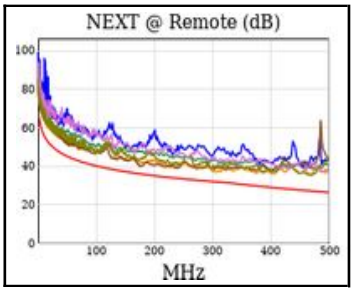


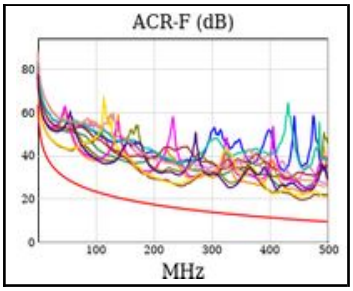
PASS

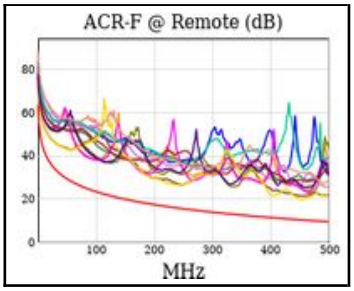


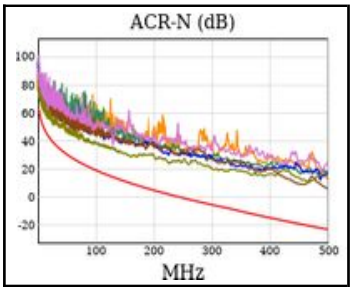


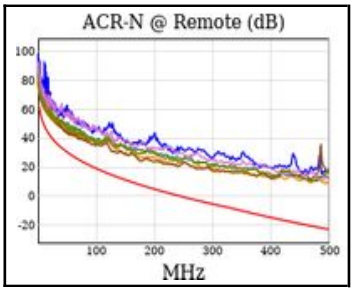


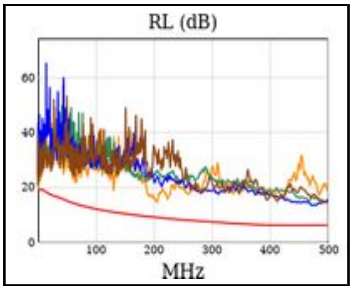


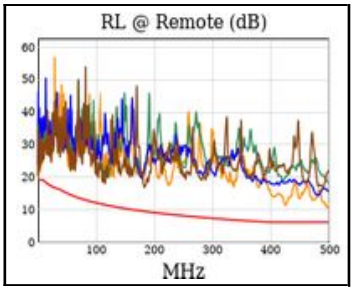












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.2	3.8	7.2	8.2
Freq. (MHz)	161.0	175.5	500.0	472.0
Limit (dB)	36.4	35.8	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	3.3	8.8	7.3
Freq. (MHz)	3.4	175.5	500.0	469.0
Limit (dB)	61.7	32.8	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	9.5	9.2	9.6
Freq. (MHz)	456.0	452.0	456.0	456.0
Limit (dB)	10.1	10.2	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.8	10.6	10.8
Freq. (MHz)	457.0	467.0	457.0	467.0
Limit (dB)	7.1	6.9	7.1	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	8.0	28.9	31.0
Freq. (MHz)	3.4	3.3	500.0	496.0
Limit (dB)	60.4	60.7	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	7.3	30.2	28.5
Freq. (MHz)	3.4	3.4	500.0	469.0
Limit (dB)	57.9	57.9	-26.1	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	5.5	4.4	7.3	4.4
Freq. (MHz)	206.5	497.0	474.0	497.0
Limit (dB)	8.9	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 103-A

Test Summary: PASS

Date / Time: 11/22/2022 11:53:15 AM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	168
Prop. Delay (ns), Limit 555	[Pair 3,6]	260
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	25.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.4	4.5	7.7	6.6
Freq. (MHz)	156.0	118.0	499.0	465.0
Limit (dB)	36.6	38.7	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	4.4	9.2	7.5
Freq. (MHz)	4.0	253.0	499.0	464.0
Limit (dB)	60.5	30.1	23.3	24.1

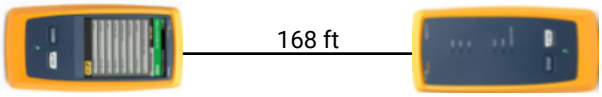
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	10.2	10.1	10.2
Freq. (MHz)	455.0	451.0	455.0	451.0
Limit (dB)	10.1	10.2	10.1	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	11.0	9.8	12.0
Freq. (MHz)	411.0	2.6	411.0	454.0
Limit (dB)	8.0	51.9	8.0	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	8.1	32.9	31.3
Freq. (MHz)	4.0	3.8	499.0	465.0
Limit (dB)	58.9	59.5	-23.1	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.5	7.8	34.2	32.5
Freq. (MHz)	4.0	4.0	499.0	470.0
Limit (dB)	56.4	56.4	-26.0	-23.7

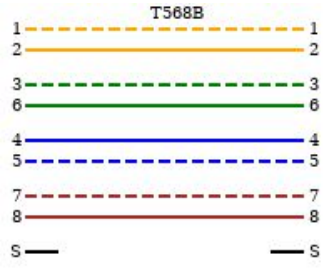
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.2	5.5	7.2	5.5
Freq. (MHz)	499.0	437.0	499.0	437.0
Limit (dB)	6.0	6.0	6.0	6.0

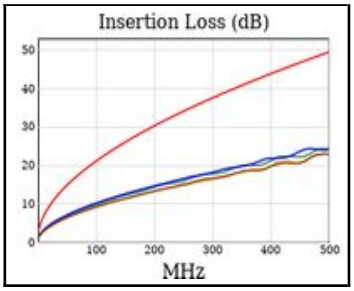
Compliant Network Standards:

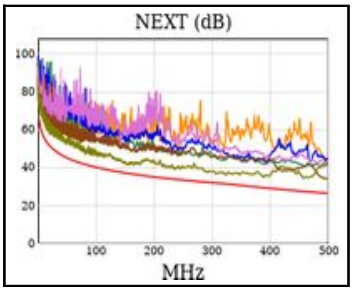
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

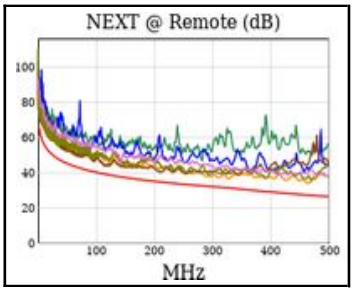


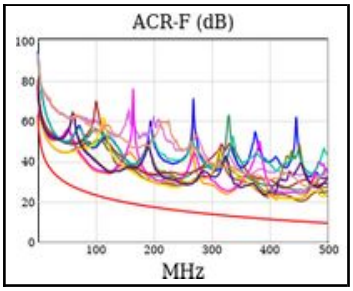
PASS

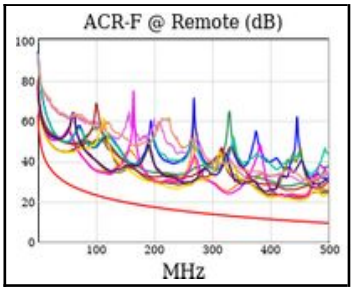


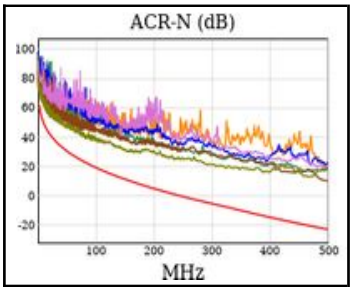


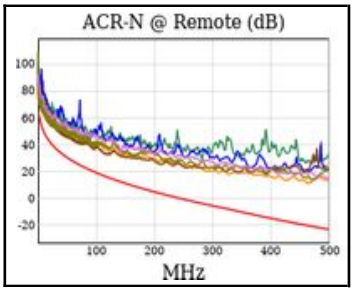


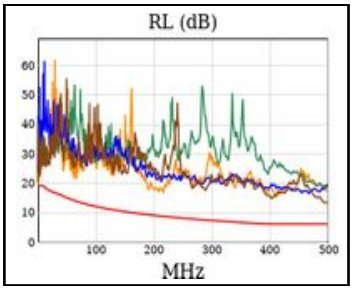


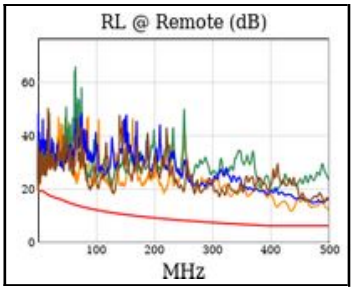












FLUKE networks

LinkWare Live

Cable ID: 103-B

Test Summary: PASS

Date / Time: 11/22/2022 11:53:42 AM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	168
Prop. Delay (ns), Limit 555	[Pair 3,6]	260
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	25.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.8	3.6	9.1	7.7
Freq. (MHz)	160.0	113.5	500.0	450.0
Limit (dB)	36.4	39.0	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	3.9	10.6	8.8
Freq. (MHz)	160.0	143.5	500.0	456.0
Limit (dB)	33.5	34.4	23.2	24.3

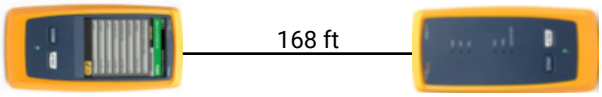
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.6	9.7	12.1	12.5
Freq. (MHz)	315.0	305.0	467.0	468.0
Limit (dB)	13.3	13.6	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.8	13.1	12.6
Freq. (MHz)	5.0	320.0	468.0	473.0
Limit (dB)	46.3	10.2	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	8.6	34.7	35.9
Freq. (MHz)	3.8	3.9	500.0	499.0
Limit (dB)	59.5	59.2	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	7.9	35.7	35.1
Freq. (MHz)	4.0	4.0	500.0	481.0
Limit (dB)	56.4	56.4	-26.1	-24.6

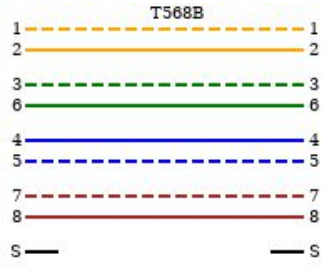
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	7.5	4.4	7.5	4.4
Freq. (MHz)	67.3	500.0	499.0	500.0
Limit (dB)	13.7	6.0	6.0	6.0

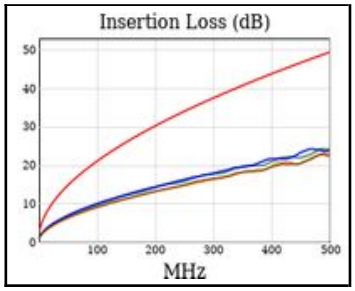
Compliant Network Standards:

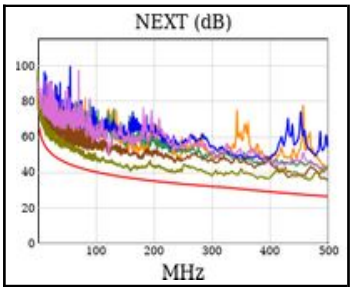
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

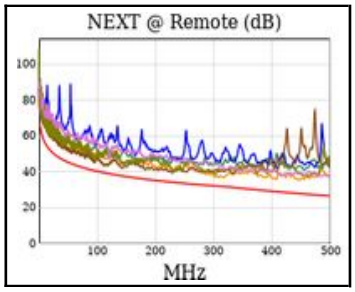


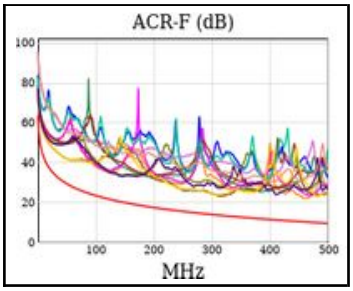
PASS

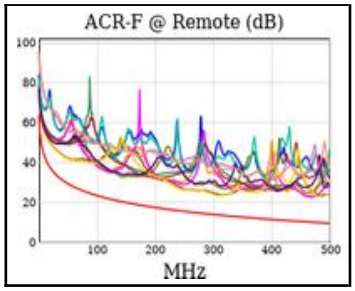


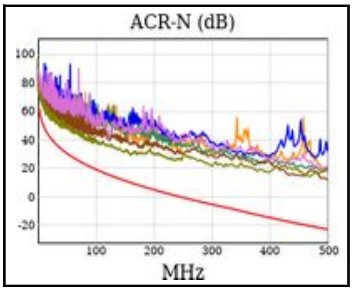


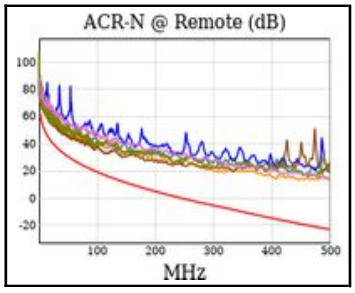


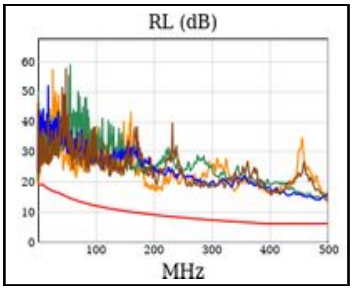


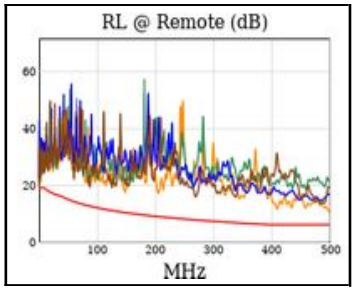












FLUKE networks

LinkWare Live

Cable ID: 103-A

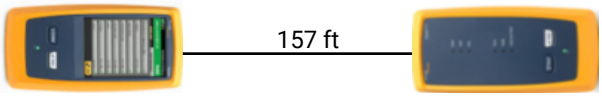
Test Summary: PASS

Date / Time: 11/19/2022 05:01:38 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

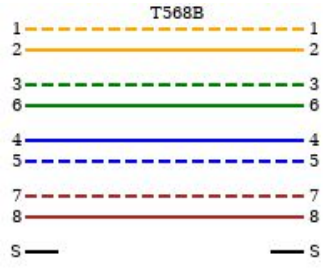
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

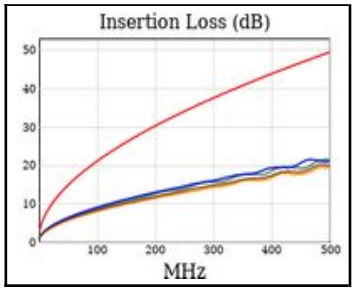
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

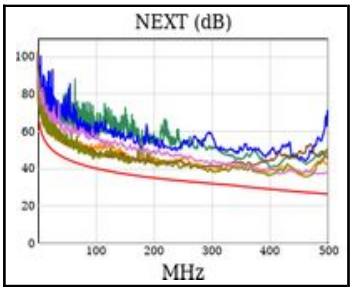
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

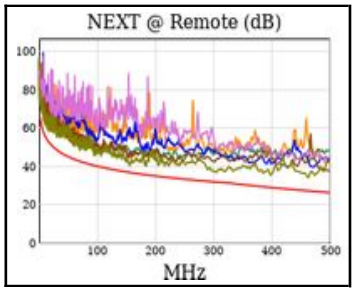


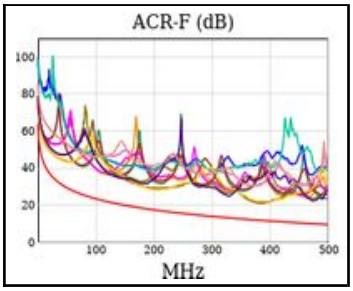
PASS

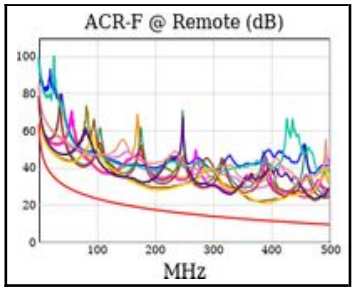


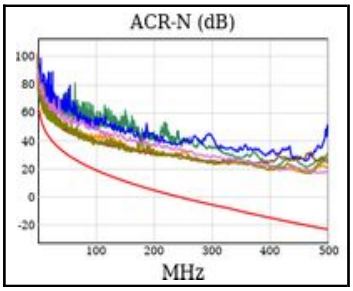


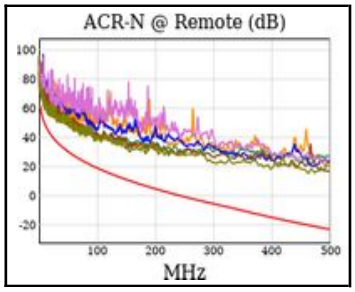


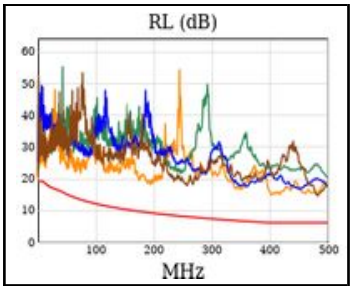


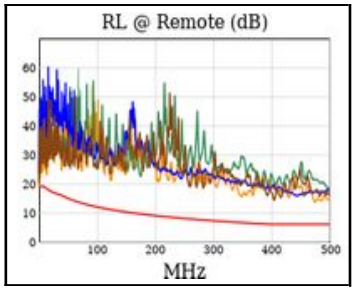












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.7	3.5	8.4	6.9
Freq. (MHz)	95.8	156.5	465.0	463.0
Limit (dB)	40.2	36.6	27.0	27.0
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	4.7	5.4	8.9	9.1
Freq. (MHz)	95.8	156.5	458.0	465.0
Limit (dB)	37.4	33.7	24.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.3	9.2	9.5	9.2
Freq. (MHz)	380.0	392.0	390.0	392.0
Limit (dB)	11.7	11.4	11.4	11.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.3	13.0	11.9
Freq. (MHz)	7.3	2.9	474.0	405.0
Limit (dB)	43.1	51.1	6.7	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	8.8	9.1	37.3	35.5
Freq. (MHz)	4.0	4.0	469.0	463.0
Limit (dB)	58.9	58.9	-20.8	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	8.9	37.2	38.0
Freq. (MHz)	4.3	4.3	469.0	492.0
Limit (dB)	55.8	55.8	-23.6	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	7.0	7.1	8.3	7.6
Freq. (MHz)	14.0	14.0	483.0	476.0
Limit (dB)	18.3	18.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 103-B

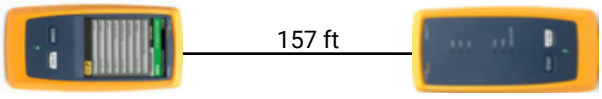
Test Summary: PASS

Date / Time: 11/19/2022 05:01:58 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

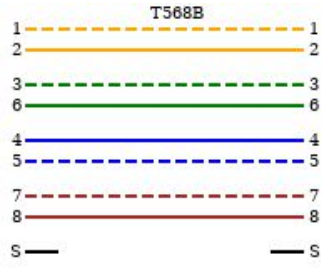
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

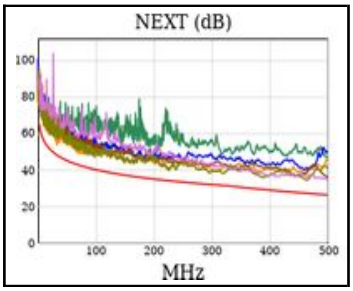
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	248
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 4,5]	26.3
Frequency (MHz)	[Pair 4,5]	471.0
Limit (dB)	[Pair 4,5]	47.7

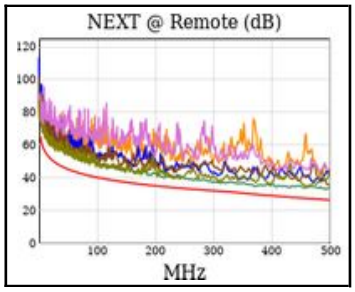


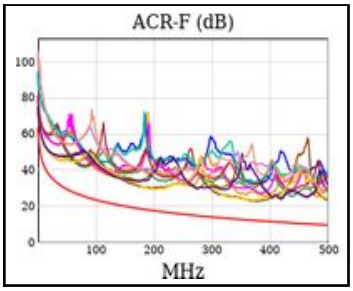
PASS

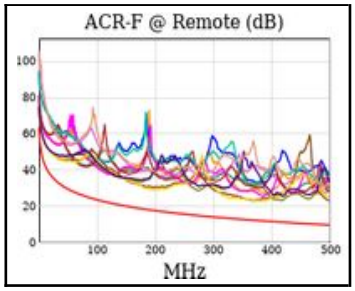


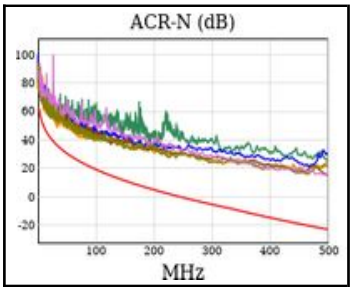


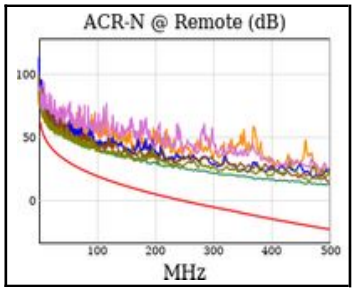


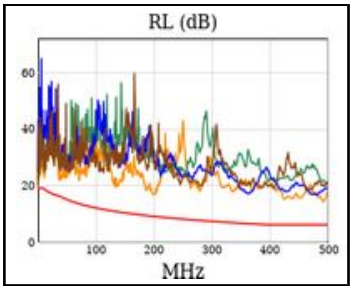


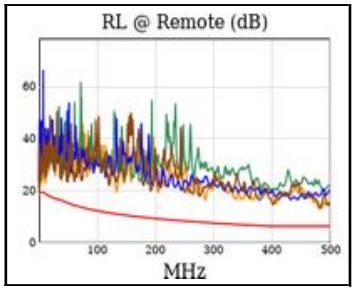












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	5.2	4.7	7.1	6.5
Freq. (MHz)	33.8	372.0	465.0	495.0
Limit (dB)	47.9	29.6	27.0	26.2
Worst Pair	3,6	1,2	7,8	4,5
PS NEXT (dB)	6.1	6.6	7.4	7.6
Freq. (MHz)	226.5	311.0	467.0	497.0
Limit (dB)	30.9	28.5	24.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.8	10.8	10.9	10.9
Freq. (MHz)	380.0	373.0	381.0	384.0
Limit (dB)	11.7	11.8	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	12.5	12.5
Freq. (MHz)	5.0	2.9	404.0	402.0
Limit (dB)	46.3	51.1	8.1	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	1,2-4,5
ACR-N (dB)	11.6	11.0	37.8	34.7
Freq. (MHz)	10.8	6.5	499.0	495.0
Limit (dB)	49.4	54.4	-23.1	-22.8
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.7	10.4	36.9	35.8
Freq. (MHz)	6.3	4.3	499.0	497.0
Limit (dB)	52.2	55.8	-26.0	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.6	6.7	7.8	6.7
Freq. (MHz)	39.8	486.0	493.0	486.0
Limit (dB)	16.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-A

Test Summary: PASS

Date / Time: 11/19/2022 03:53:44 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF E126

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 4,5]	29.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	4,5-7,8	3,6-4,5
NEXT (dB)	6.3	2.8	8.3	6.3
Freq. (MHz)	189.0	188.5	468.0	500.0
Limit (dB)	35.2	35.2	26.9	26.1
Worst Pair	1,2	7,8	4,5	4,5
PS NEXT (dB)	9.1	4.9	10.4	7.7
Freq. (MHz)	189.0	188.5	468.0	493.0
Limit (dB)	32.3	32.3	24.0	23.4

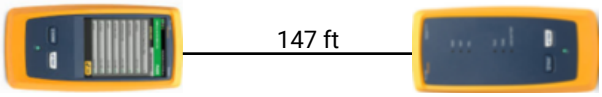
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	9.9	10.8	9.9
Freq. (MHz)	298.0	455.0	435.0	455.0
Limit (dB)	13.8	10.1	10.5	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.3	11.1	10.3	11.9
Freq. (MHz)	412.0	7.5	412.0	466.0
Limit (dB)	8.0	42.8	8.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	15.3	12.6	38.4	36.2
Freq. (MHz)	3.0	3.6	468.0	500.0
Limit (dB)	61.4	59.8	-20.7	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	16.3	13.6	38.7	37.4
Freq. (MHz)	2.5	3.6	468.0	493.0
Limit (dB)	58.7	57.3	-23.6	-25.5

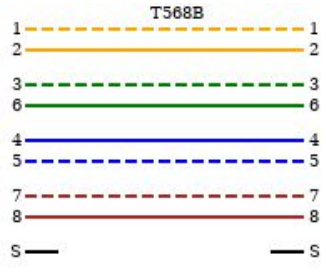
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	4.8	6.8	8.0	6.8
Freq. (MHz)	51.3	489.0	496.0	489.0
Limit (dB)	14.9	6.0	6.0	6.0

Compliant Network Standards:

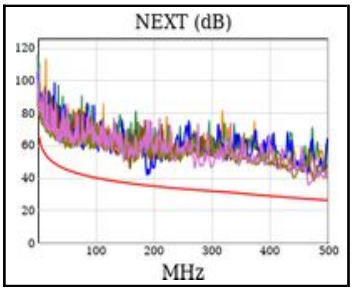
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

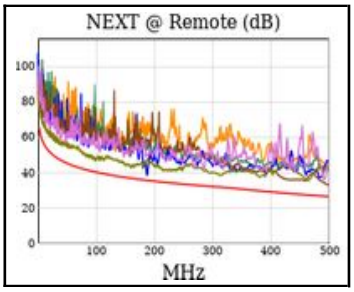


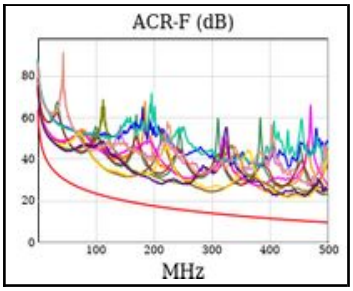
PASS

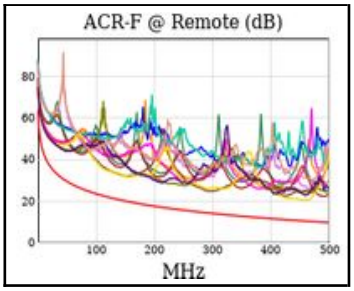


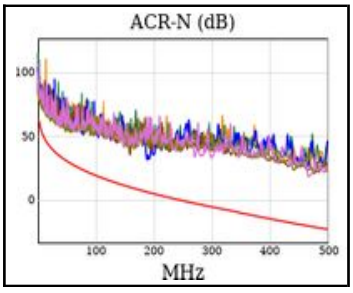


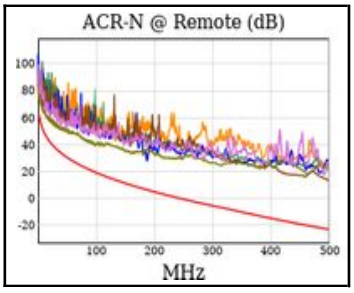


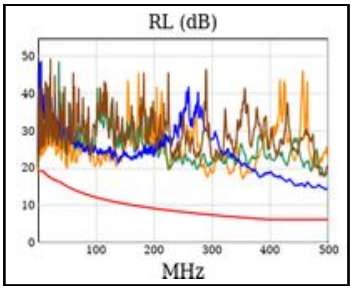


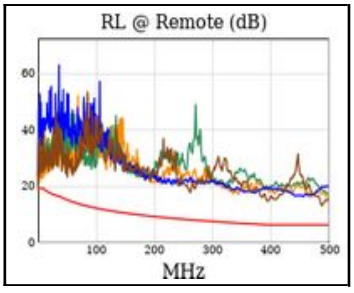












FLUKE networks

LinkWare Live

Cable ID: 104-B

Test Summary: PASS

Date / Time: 11/19/2022 03:55:27 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF E126

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 4,5]	29.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	12.0	5.9	16.2	5.9
Freq. (MHz)	142.0	500.0	485.0	500.0
Limit (dB)	37.3	26.1	26.5	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	12.8	7.2	16.7	7.2
Freq. (MHz)	149.5	499.0	477.0	499.0
Limit (dB)	34.1	23.3	23.8	23.3

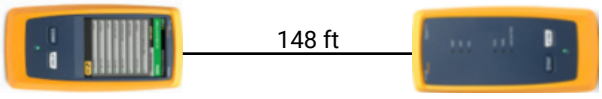
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.6	9.6	10.7	9.7
Freq. (MHz)	392.0	392.0	397.0	397.0
Limit (dB)	11.4	11.4	11.3	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.3	11.1	12.0
Freq. (MHz)	393.0	1.0	393.0	500.0
Limit (dB)	8.4	60.3	8.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	16.8	13.9	47.1	35.8
Freq. (MHz)	3.0	8.0	485.0	500.0
Limit (dB)	61.4	52.4	-22.0	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	16.5	13.9	47.2	37.1
Freq. (MHz)	3.9	4.1	492.0	499.0
Limit (dB)	56.7	56.1	-25.5	-26.0

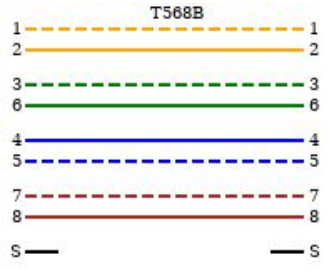
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	6.9	7.5	7.4	7.5
Freq. (MHz)	39.5	395.0	500.0	395.0
Limit (dB)	16.0	6.0	6.0	6.0

Compliant Network Standards:

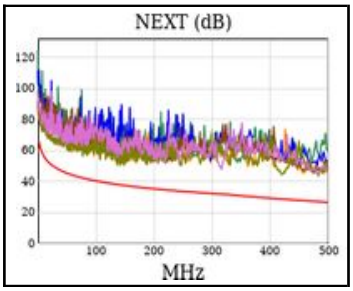
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

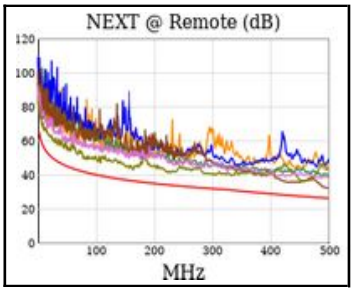


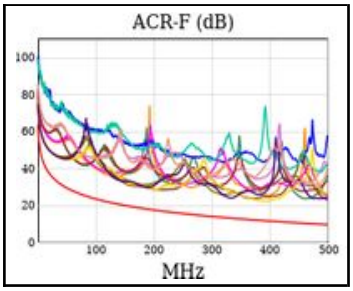
PASS

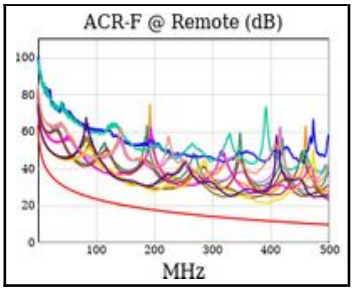


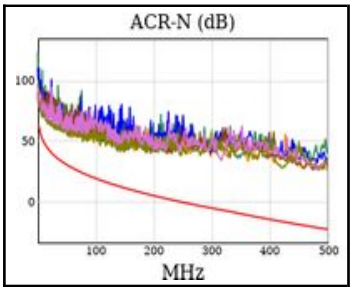


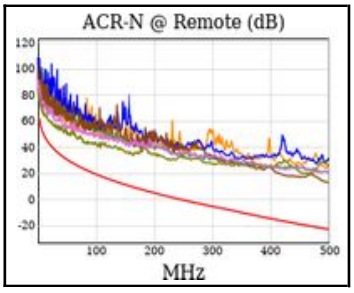


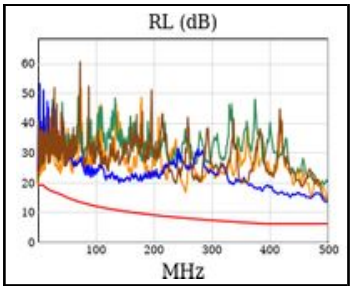


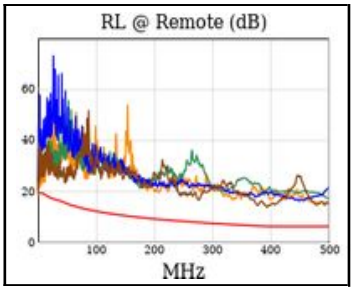












FLUKE networks

LinkWare™ Live

Cable ID: 104-A

Test Summary: PASS

Date / Time: 12/17/2022 03:35:03 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	111
Prop. Delay (ns), Limit 555	[Pair 4,5]	173
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	32.9
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.5	3.4	7.8	6.7
Freq. (MHz)	3.3	154.5	497.0	445.0
Limit (dB)	64.5	36.7	26.2	27.5
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.6	4.2	8.3	6.8
Freq. (MHz)	3.3	154.0	497.0	402.0
Limit (dB)	62.0	33.8	23.3	25.7

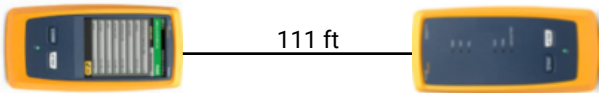
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.3	10.2	10.9
Freq. (MHz)	378.0	389.0	439.0	466.0
Limit (dB)	11.7	11.5	10.4	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.2	11.3	11.6
Freq. (MHz)	6.4	1.3	473.0	472.0
Limit (dB)	44.2	58.3	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	7.2	7.7	42.5	38.6
Freq. (MHz)	3.0	3.0	497.0	445.0
Limit (dB)	61.4	61.4	-23.0	-18.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	8.8	42.1	42.7
Freq. (MHz)	3.3	3.0	497.0	476.0
Limit (dB)	58.2	58.4	-25.8	-24.2

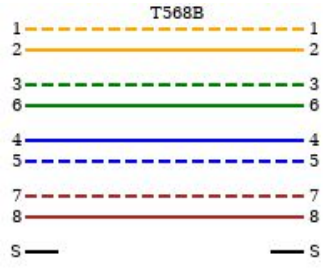
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.9	4.9	5.9	7.1
Freq. (MHz)	497.0	19.4	497.0	337.0
Limit (dB)	6.0	17.6	6.0	6.7

Compliant Network Standards:

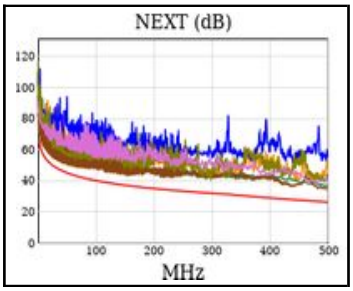
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

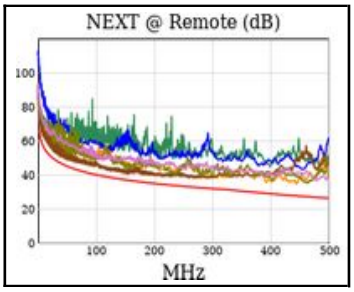


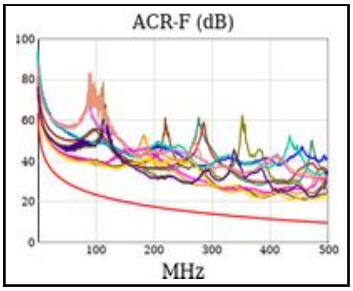
PASS

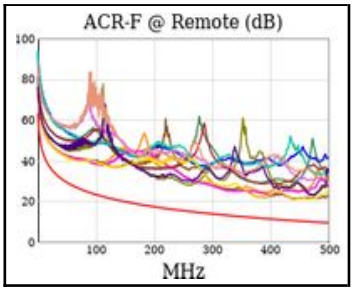


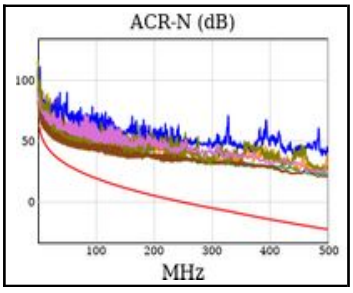


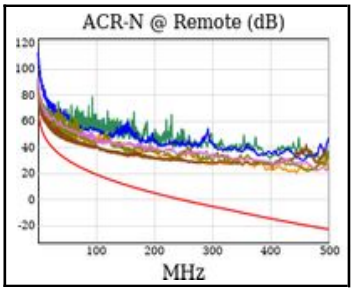


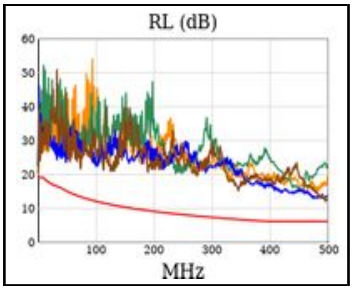


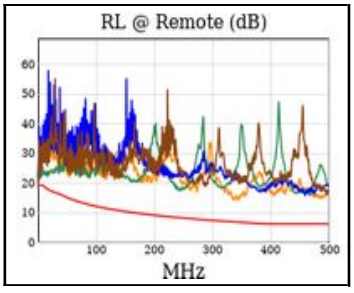












FLUKE networks

LinkWare Live

Cable ID: 104-B

Test Summary: PASS

Date / Time: 12/17/2022 03:36:15 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	111
Prop. Delay (ns), Limit 555	[Pair 4,5]	173
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	15.3
Insertion Loss Margin (dB)	[Pair 3,6]	33.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
NEXT (dB)	2.7	4.6	5.2	5.9
Freq. (MHz)	339.0	141.5	478.0	452.0
Limit (dB)	30.7	37.4	26.6	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.6	6.4	7.6
Freq. (MHz)	339.0	151.0	491.0	452.0
Limit (dB)	27.7	34.0	23.4	24.4

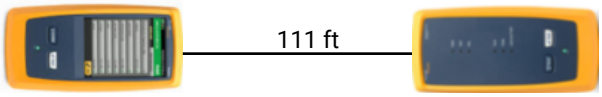
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.9	11.0	10.9
Freq. (MHz)	2.9	449.0	449.0	449.0
Limit (dB)	54.1	10.2	10.2	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.7	12.4	12.4
Freq. (MHz)	1.4	1.0	461.0	470.0
Limit (dB)	57.5	60.3	7.0	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	9.2	10.0	38.7	38.2
Freq. (MHz)	3.0	2.9	478.0	452.0
Limit (dB)	61.4	61.4	-21.5	-19.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.9	39.1	39.9
Freq. (MHz)	3.5	6.0	491.0	452.0
Limit (dB)	57.6	52.6	-25.4	-22.3

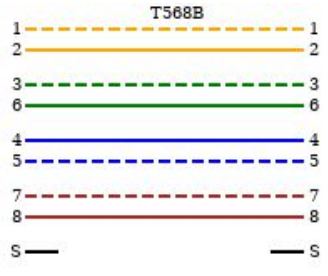
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.0	3.1	5.0	6.9
Freq. (MHz)	497.0	19.6	497.0	486.0
Limit (dB)	6.0	17.5	6.0	6.0

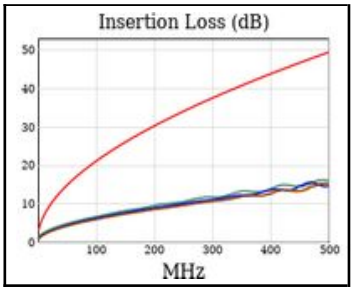
Compliant Network Standards:

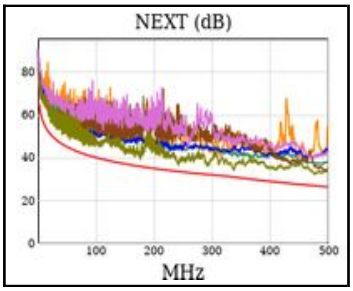
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

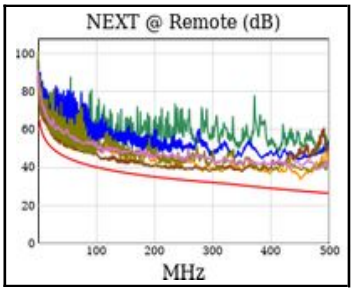


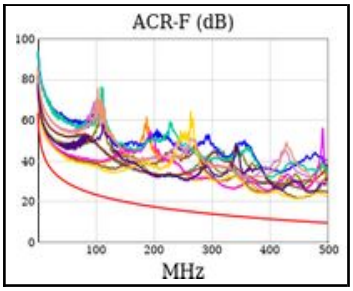
PASS

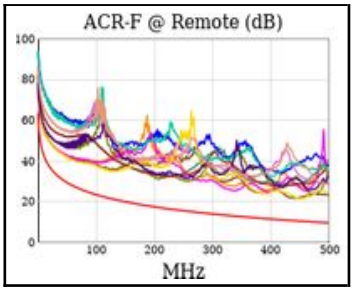


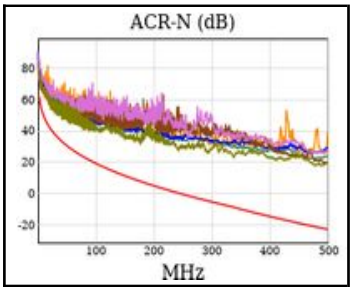


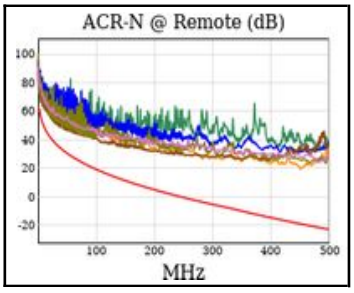


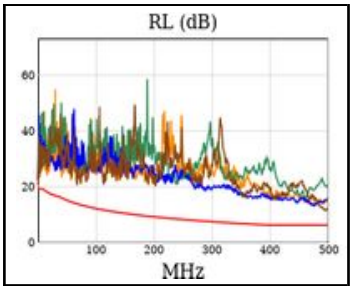


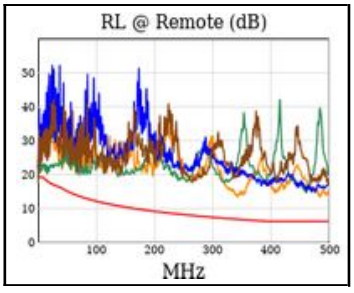












FLUKE networks

LinkWare Live

Cable ID: 104-A

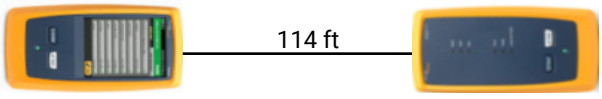
Test Summary: PASS

Date / Time: 11/25/2022 01:41:02 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

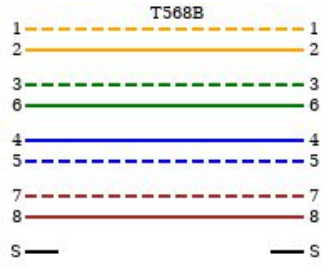
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

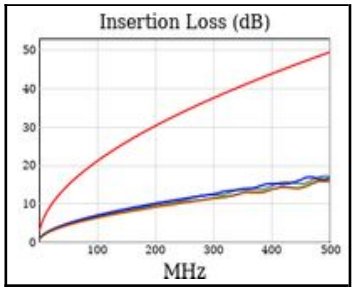
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	114
Prop. Delay (ns), Limit 555	[Pair 3,6]	176
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 7,8]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.8
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

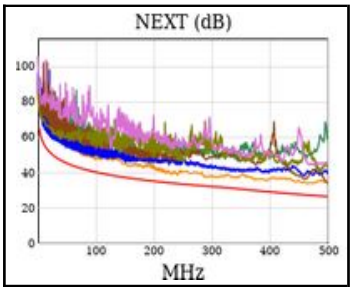


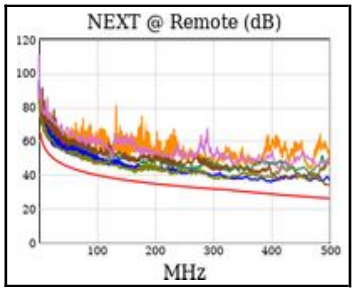
PASS



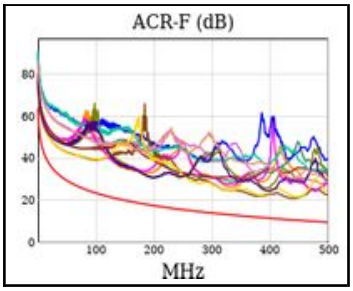


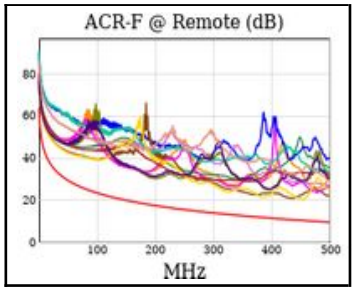
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	4.9	6.4	7.7
Freq. (MHz)	241.0	166.5	464.0	500.0
Limit (dB)	33.4	36.1	27.0	26.1
Worst Pair	1,2	7,8	3,6	4,5
PS NEXT (dB)	6.8	6.3	7.4	10.2
Freq. (MHz)	311.0	166.5	499.0	500.0
Limit (dB)	28.5	33.2	23.3	23.2



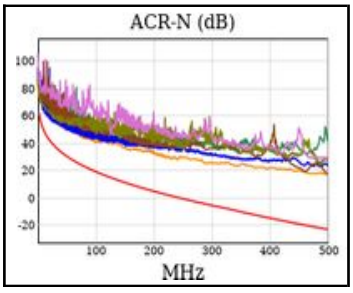


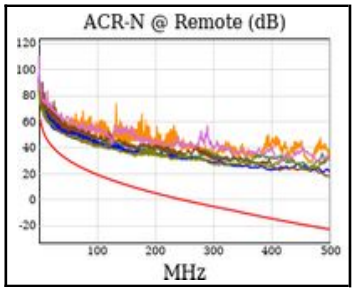
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.6	10.2	10.2
Freq. (MHz)	379.0	384.0	437.0	454.0
Limit (dB)	11.7	11.6	10.4	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	11.4	11.9
Freq. (MHz)	388.0	1.1	390.0	437.0
Limit (dB)	8.5	59.2	8.4	7.4



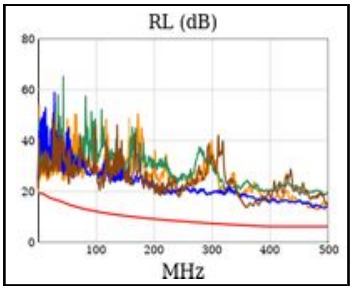


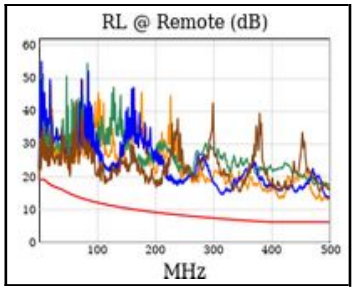
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	12.8	11.0	39.9	40.4
Freq. (MHz)	2.9	2.9	499.0	500.0
Limit (dB)	61.4	61.4	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.1	11.2	39.7	41.9
Freq. (MHz)	3.3	3.0	499.0	493.0
Limit (dB)	58.2	58.4	-26.0	-25.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.5	5.3	6.5	6.2
Freq. (MHz)	480.0	54.0	480.0	487.0
Limit (dB)	6.0	14.7	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-B

Test Summary: PASS

Date / Time: 11/25/2022 01:41:44 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	114
Prop. Delay (ns), Limit 555	[Pair 3,6]	176
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 7,8]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	32.0
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	7.2	6.2	8.6
Freq. (MHz)	238.5	66.5	466.0	499.0
Limit (dB)	33.5	42.9	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	7.7	7.5	10.1
Freq. (MHz)	248.0	41.3	465.0	499.0
Limit (dB)	30.2	43.7	24.1	23.3

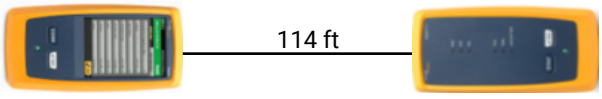
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.6	9.3	9.6	9.7
Freq. (MHz)	469.0	457.0	469.0	500.0
Limit (dB)	9.8	10.1	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.1	11.9	11.9
Freq. (MHz)	15.5	9.5	496.0	499.0
Limit (dB)	36.5	40.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.3	10.4	37.7	41.2
Freq. (MHz)	3.1	3.1	466.0	499.0
Limit (dB)	61.1	61.1	-20.5	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	11.3	40.7	42.1
Freq. (MHz)	3.3	3.3	499.0	499.0
Limit (dB)	58.2	58.2	-26.0	-26.0

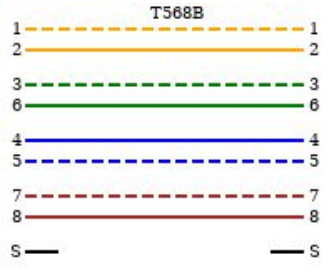
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.4	5.4	7.4	5.4
Freq. (MHz)	495.0	421.0	495.0	421.0
Limit (dB)	6.0	6.0	6.0	6.0

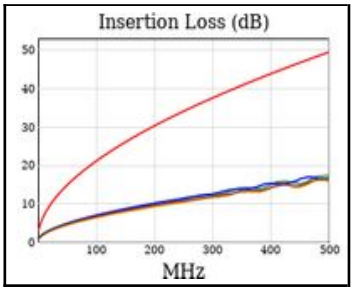
Compliant Network Standards:

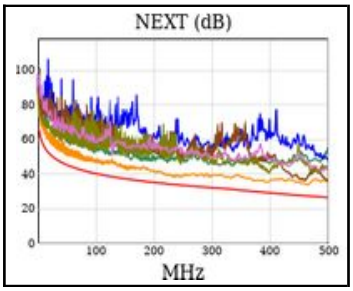
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

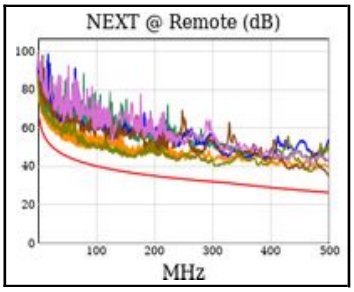


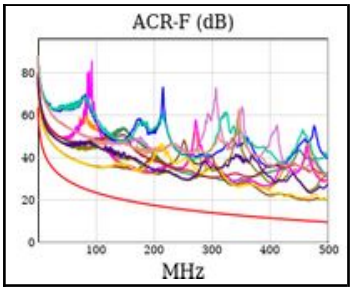
PASS

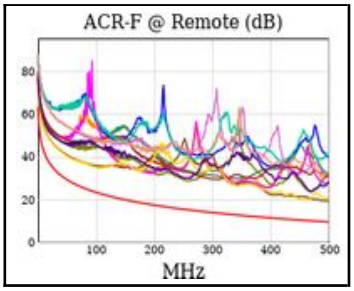


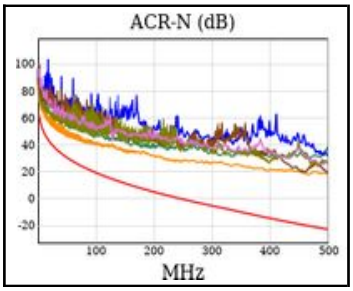


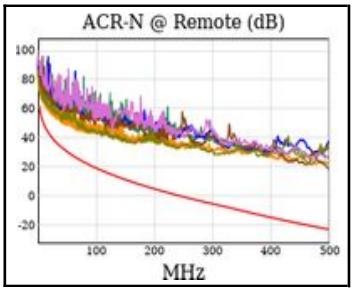


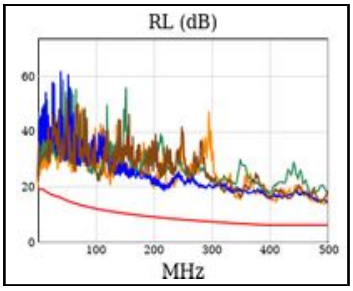


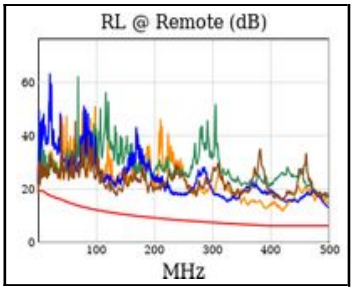












FLUKE networks

LinkWare Live

Cable ID: 104-A

Test Summary: PASS

Date / Time: 11/26/2022 02:20:53 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	84
Prop. Delay (ns), Limit 555	[Pair 4,5]	131
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	3.9
Insertion Loss Margin (dB)	[Pair 3,6]	36.8
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.7	3.0	3.0	3.0
Freq. (MHz)	231.5	494.0	468.0	494.0
Limit (dB)	33.7	26.2	26.9	26.2
Worst Pair	1,2	3,6	1,2	3,6
PS NEXT (dB)	3.8	4.9	4.8	5.1
Freq. (MHz)	231.5	485.0	468.0	494.0
Limit (dB)	30.7	23.6	24.0	23.4

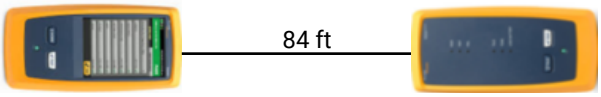
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.6	11.2	10.9
Freq. (MHz)	449.0	439.0	499.0	499.0
Limit (dB)	10.2	10.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.1	12.2	12.6	13.2
Freq. (MHz)	1.4	1.4	499.0	499.0
Limit (dB)	57.5	57.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	10.1	41.5	40.9
Freq. (MHz)	4.4	4.0	498.0	494.0
Limit (dB)	58.1	58.9	-23.1	-22.7
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	10.7	11.4	43.6	41.9
Freq. (MHz)	4.4	3.9	498.0	494.0
Limit (dB)	55.6	56.7	-25.9	-25.6

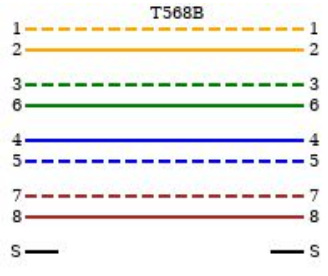
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	7,8
RL (dB)	4.3	4.6	4.7	4.6
Freq. (MHz)	277.0	264.0	480.0	264.0
Limit (dB)	7.6	7.8	6.0	7.8

Compliant Network Standards:

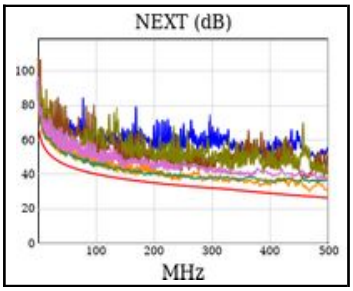
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

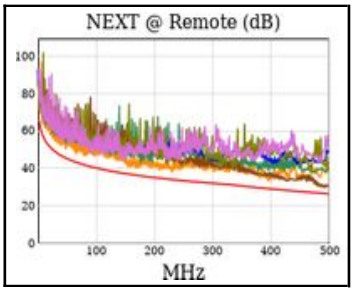


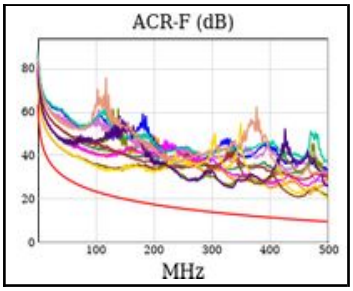
PASS

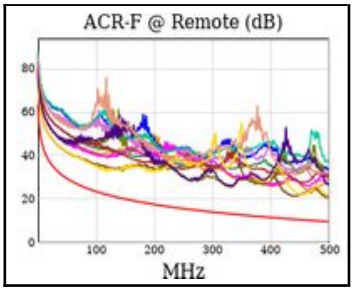


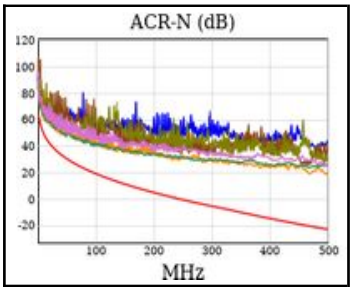


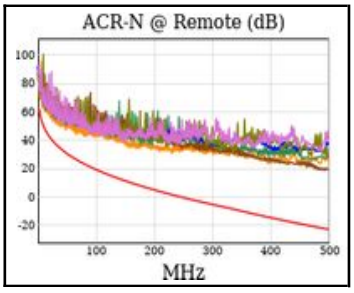


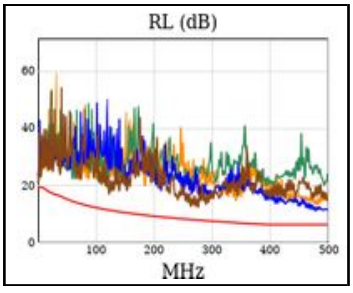


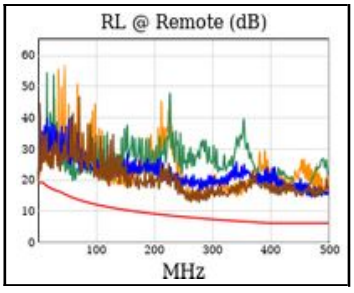












FLUKE networks

LinkWare Live

Cable ID: 104-B

Test Summary: PASS

Date / Time: 11/26/2022 02:21:16 PM
Headroom: 2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 3,6]	131
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 4,5]	34.7
Frequency (MHz)	[Pair 4,5]	465.0
Limit (dB)	[Pair 4,5]	47.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	2.0	4.8	4.3
Freq. (MHz)	221.0	172.0	465.0	495.0
Limit (dB)	34.0	35.9	27.0	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	4.4	7.2	6.6
Freq. (MHz)	221.5	172.0	500.0	496.0
Limit (dB)	31.1	33.0	23.2	23.3

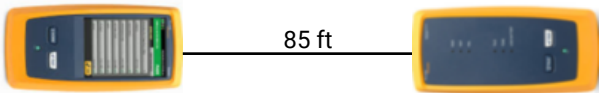
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.8	10.1	10.9
Freq. (MHz)	461.0	475.0	499.0	500.0
Limit (dB)	10.0	9.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	11.6	11.5
Freq. (MHz)	5.6	5.3	499.0	471.0
Limit (dB)	45.3	45.9	6.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	8.8	42.9	41.6
Freq. (MHz)	4.4	4.0	500.0	495.0
Limit (dB)	58.1	58.9	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	10.6	44.0	43.2
Freq. (MHz)	4.3	4.0	500.0	496.0
Limit (dB)	55.8	56.4	-26.1	-25.8

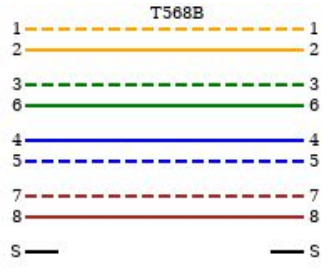
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.1	6.1	5.1	6.6
Freq. (MHz)	484.0	64.3	484.0	483.0
Limit (dB)	6.0	13.9	6.0	6.0

Compliant Network Standards:

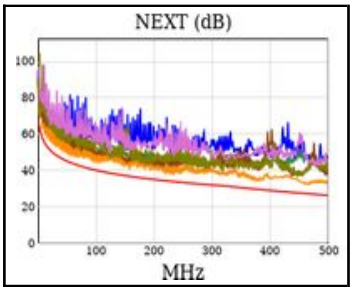
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

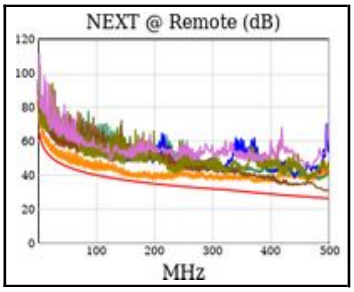


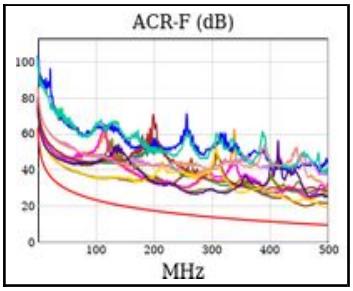
PASS

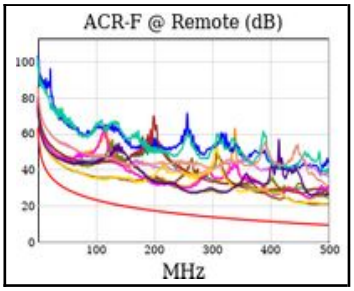


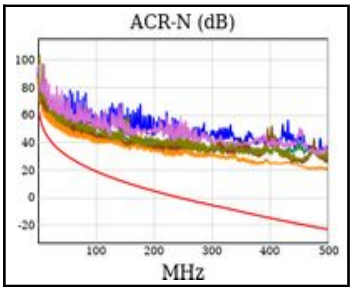


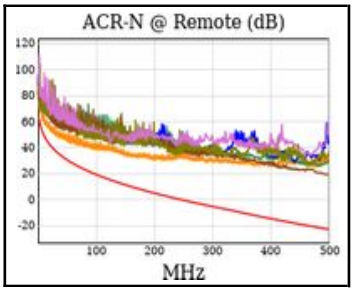


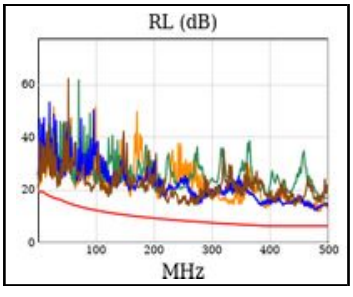


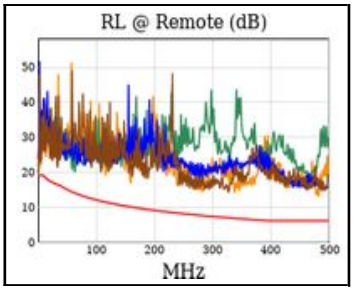












FLUKE networks

LinkWare Live

Cable ID: 105-1-A

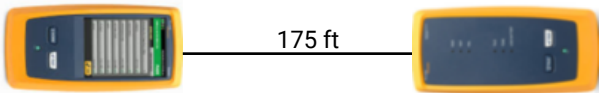
Test Summary: PASS

Date / Time: 12/11/2022 01:09:48 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

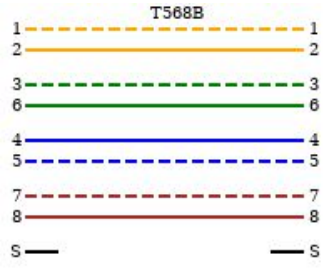
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	175
Prop. Delay (ns), Limit 555	[Pair 4,5]	272
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

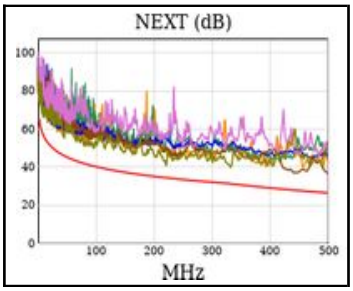


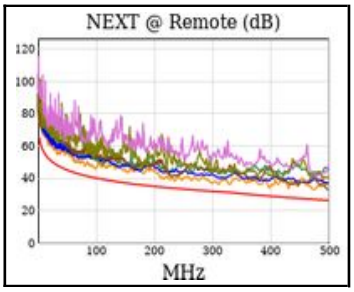
PASS



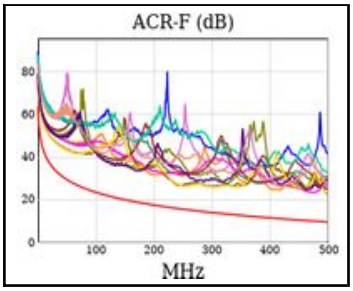


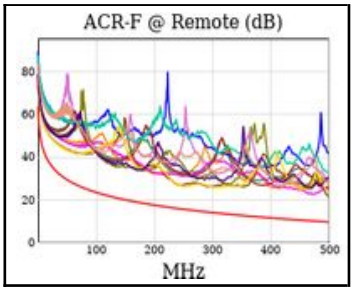
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.4	4.7	10.1	6.0
Freq. (MHz)	222.0	311.0	500.0	476.0
Limit (dB)	34.0	31.5	26.1	26.7
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	8.4	5.5	12.0	7.4
Freq. (MHz)	222.0	311.0	500.0	498.0
Limit (dB)	31.1	28.5	23.2	23.3



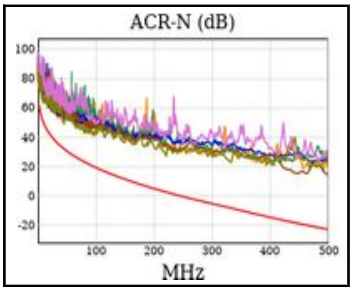


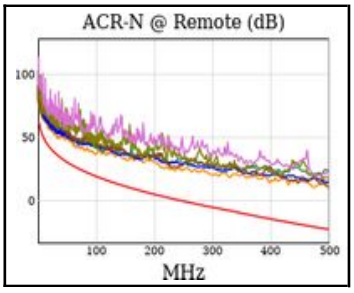
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.5	12.9	12.0
Freq. (MHz)	252.0	252.0	500.0	500.0
Limit (dB)	15.2	15.2	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.9	12.0	13.3	13.3
Freq. (MHz)	262.0	10.0	500.0	500.0
Limit (dB)	11.9	40.3	6.3	6.3



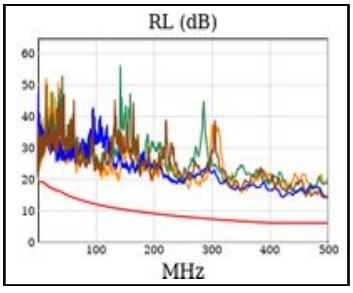


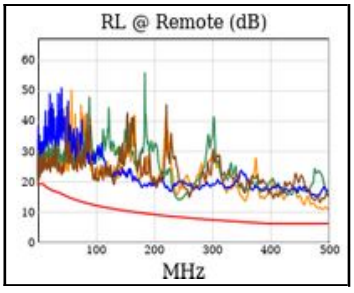
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.0	11.0	36.9	31.4
Freq. (MHz)	3.5	3.9	500.0	476.0
Limit (dB)	60.1	59.2	-23.2	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	11.1	37.9	33.2
Freq. (MHz)	3.8	3.6	500.0	498.0
Limit (dB)	57.0	57.3	-26.1	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.9	4.5	7.9	4.5
Freq. (MHz)	494.0	500.0	494.0	500.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-1-B

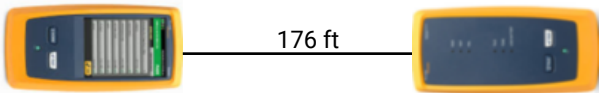
Test Summary: PASS

Date / Time: 12/11/2022 01:16:44 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

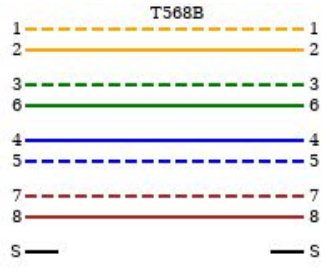
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

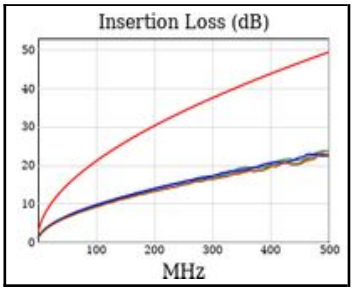
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	176
Prop. Delay (ns), Limit 555	[Pair 4,5]	273
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

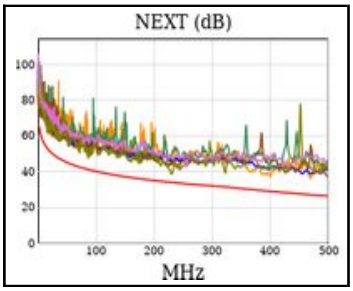


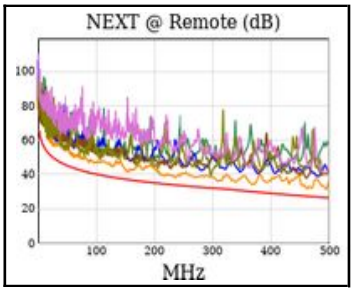
PASS



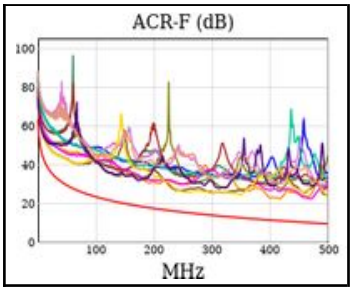


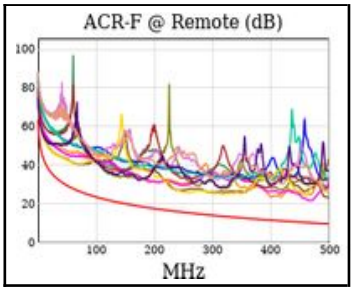
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	4.5	4.1	9.0	4.5
Freq. (MHz)	232.0	463.0	471.0	497.0
Limit (dB)	33.7	27.0	26.8	26.2
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.9	5.9	9.9	6.5
Freq. (MHz)	232.0	463.0	471.0	497.0
Limit (dB)	30.7	24.1	23.9	23.3



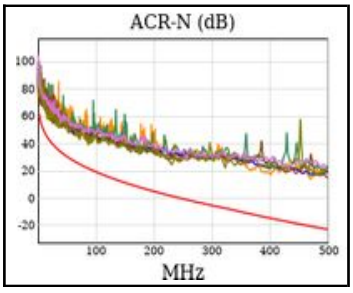


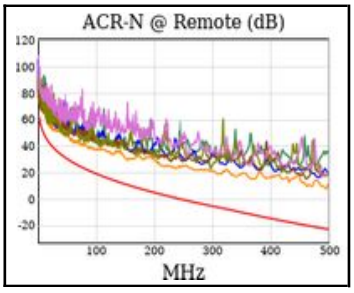
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-1,2	1,2-3,6
ACR-F (dB)	10.2	10.0	12.3	11.5
Freq. (MHz)	257.0	257.0	471.0	471.0
Limit (dB)	15.1	15.1	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.5	13.4	12.9
Freq. (MHz)	8.5	8.1	464.0	467.0
Limit (dB)	41.7	42.1	6.9	6.9



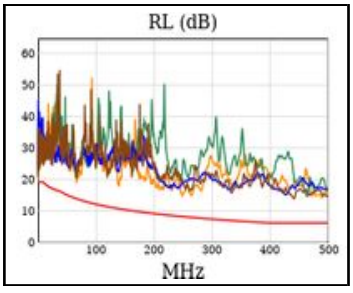


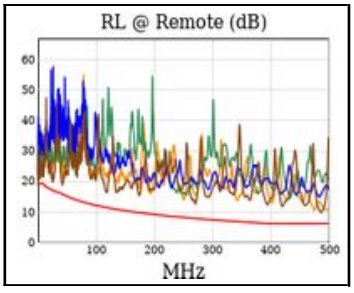
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	10.8	10.8	34.3	30.1
Freq. (MHz)	3.6	3.6	471.0	497.0
Limit (dB)	59.8	59.8	-20.9	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.9	37.7	32.0
Freq. (MHz)	3.6	3.6	500.0	497.0
Limit (dB)	57.3	57.3	-26.1	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	5.1	2.6	7.6	3.6
Freq. (MHz)	67.5	26.3	443.0	488.0
Limit (dB)	13.7	16.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-A

Test Summary: PASS

Date / Time: 11/21/2022 02:19:52 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	248
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	2.2	3.8	2.7	5.0
Freq. (MHz)	228.5	233.0	318.0	467.0
Limit (dB)	33.8	33.6	31.3	26.9
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	4.4	5.4	8.4	7.4
Freq. (MHz)	228.5	233.0	462.0	495.0
Limit (dB)	30.8	30.7	24.1	23.3

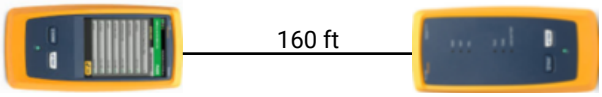
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	7,8-3,6
ACR-F (dB)	8.3	8.4	8.4	12.0
Freq. (MHz)	308.0	308.0	310.0	478.0
Limit (dB)	13.5	13.5	13.4	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.2	12.4	12.1
Freq. (MHz)	330.0	320.0	490.0	478.0
Limit (dB)	9.9	10.2	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	9.5	11.4	37.0	33.2
Freq. (MHz)	4.0	3.9	500.0	495.0
Limit (dB)	58.9	59.2	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.8	36.6	34.4
Freq. (MHz)	4.0	3.9	500.0	495.0
Limit (dB)	56.4	56.7	-26.1	-25.7

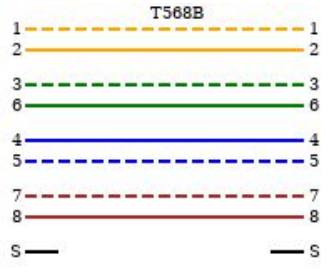
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.0	6.4	7.8	7.7
Freq. (MHz)	13.9	13.9	498.0	496.0
Limit (dB)	18.3	18.3	6.0	6.0

Compliant Network Standards:

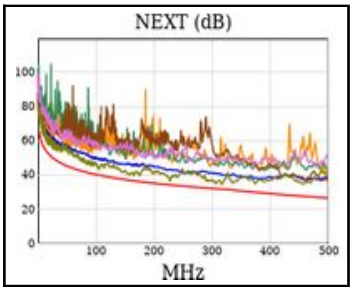
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

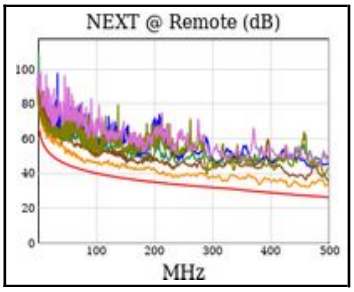


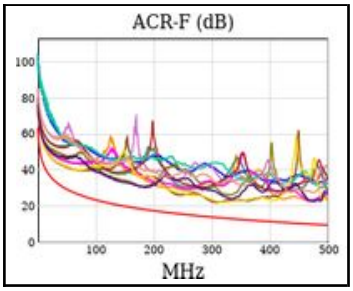
PASS

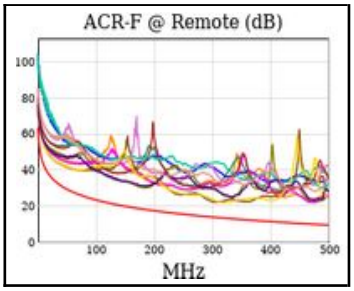


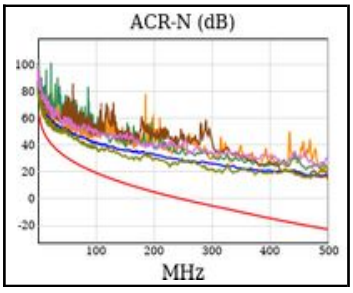


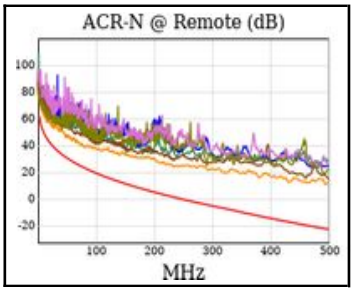


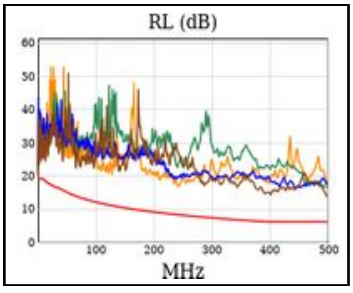


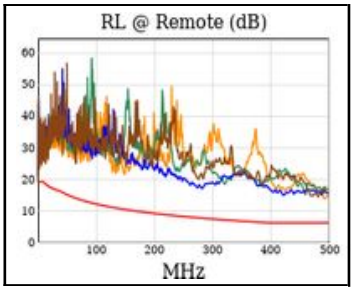












FLUKE networks

LinkWare Live

Cable ID: 104-B

Test Summary: PASS

Date / Time: 11/21/2022 02:20:22 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	159
Prop. Delay (ns), Limit 555	[Pair 4,5]	247
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	3.5	2.4	6.4	3.7
Freq. (MHz)	308.0	223.5	469.0	467.0
Limit (dB)	31.5	34.0	26.9	26.9
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	5.4	4.2	6.7	5.5
Freq. (MHz)	303.0	81.8	440.0	465.0
Limit (dB)	28.7	38.6	24.7	24.1

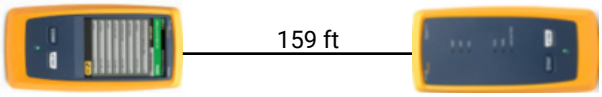
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	3,6-7,8
ACR-F (dB)	9.9	9.3	10.8	11.6
Freq. (MHz)	363.0	363.0	478.0	478.0
Limit (dB)	12.1	12.1	9.7	9.7
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-F (dB)	10.4	11.0	12.2	13.6
Freq. (MHz)	324.0	315.0	478.0	478.0
Limit (dB)	10.0	10.3	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	9.6	36.7	30.9
Freq. (MHz)	6.1	6.3	500.0	467.0
Limit (dB)	55.0	54.8	-23.2	-20.6
Worst Pair	3,6	1,2	4,5	3,6
PS ACR-N (dB)	9.4	10.5	36.8	33.0
Freq. (MHz)	6.0	6.6	500.0	467.0
Limit (dB)	52.6	51.7	-26.1	-23.5

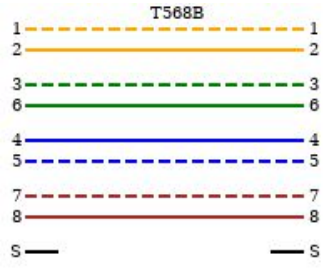
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.4	7.0	6.4	8.6
Freq. (MHz)	221.5	14.0	221.5	490.0
Limit (dB)	8.5	18.3	8.5	6.0

Compliant Network Standards:

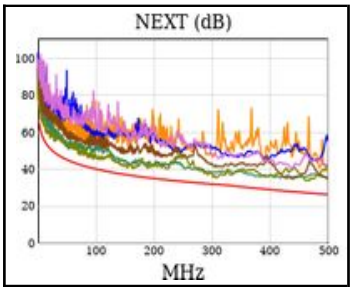
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

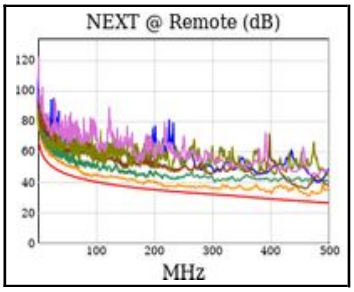


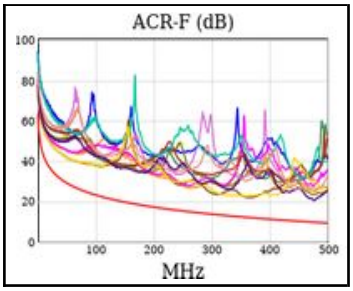
PASS

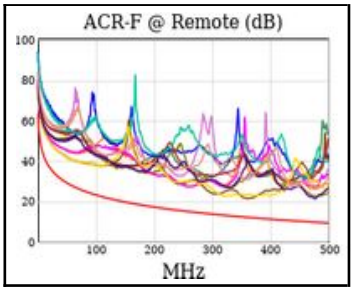


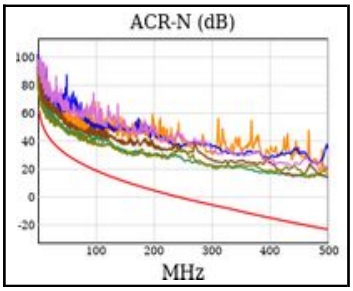


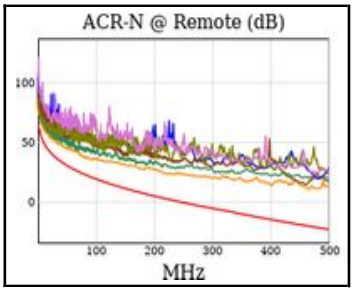


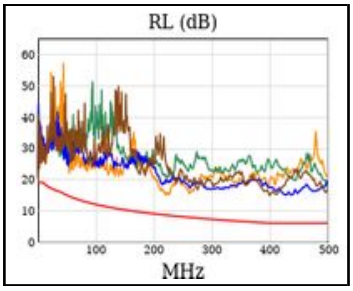


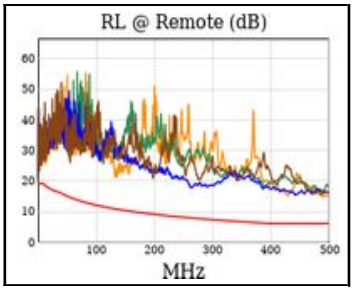












FLUKE networks

LinkWare Live

Cable ID: 105-1-A

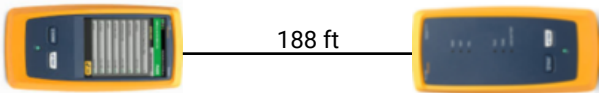
Test Summary: PASS

Date / Time: 12/10/2022 06:30:47 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

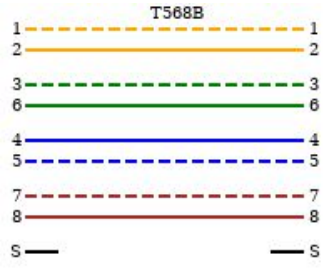
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

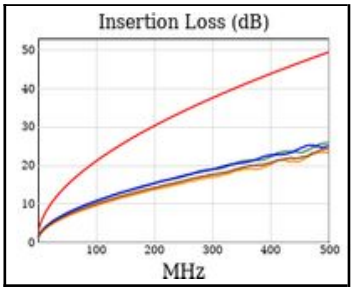
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

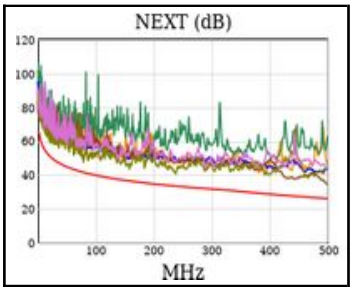
Length (ft), Limit 328	[Pair 1,2]	188
Prop. Delay (ns), Limit 555	[Pair 4,5]	298
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	13.7
Insertion Loss Margin (dB)	[Pair 3,6]	23.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

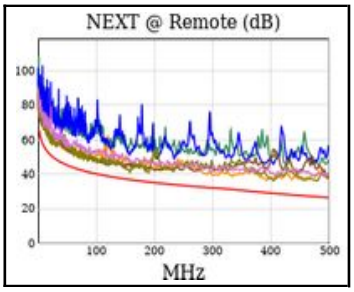


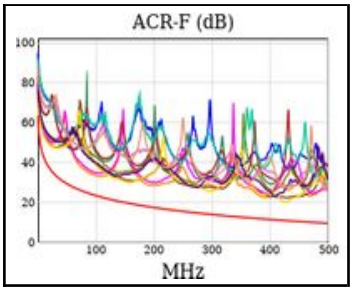
PASS

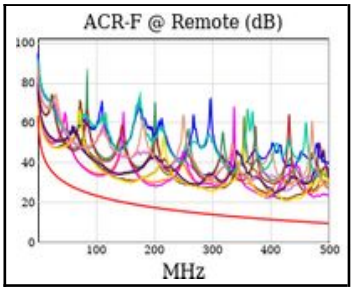


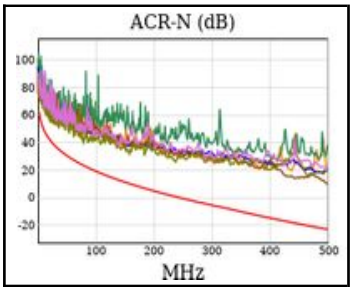


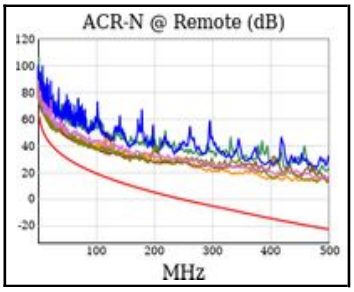


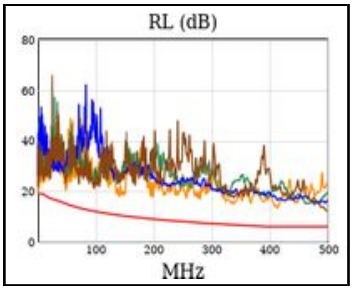


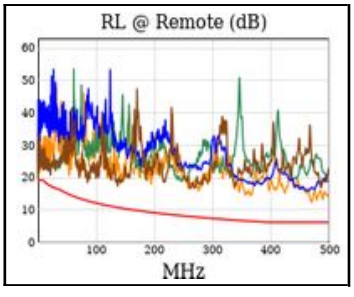












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.0	3.7	8.4	9.1
Freq. (MHz)	79.5	159.0	500.0	481.0
Limit (dB)	41.6	36.5	26.1	26.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.9	4.7	10.7	8.9
Freq. (MHz)	79.5	159.0	500.0	455.0
Limit (dB)	38.8	33.6	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.9	9.3	9.9
Freq. (MHz)	428.0	428.0	428.0	428.0
Limit (dB)	10.6	10.6	10.6	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.2	10.6	10.2
Freq. (MHz)	9.8	403.0	424.0	403.0
Limit (dB)	40.5	8.2	7.7	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.0	9.8	32.7	35.4
Freq. (MHz)	3.5	3.4	500.0	498.0
Limit (dB)	60.1	60.4	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	8.6	34.3	33.5
Freq. (MHz)	3.6	3.4	500.0	498.0
Limit (dB)	57.3	57.9	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.7	3.2	6.4	6.1
Freq. (MHz)	11.6	9.6	499.0	471.0
Limit (dB)	18.7	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-1-B

Test Summary: PASS

Date / Time: 12/10/2022 06:34:01 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	188
Prop. Delay (ns), Limit 555	[Pair 4,5]	298
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	5.2	7.7	6.5
Freq. (MHz)	500.0	218.0	500.0	457.0
Limit (dB)	26.1	34.1	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.9	5.0	9.9	7.6
Freq. (MHz)	5.3	156.5	500.0	457.0
Limit (dB)	58.6	33.7	23.2	24.3

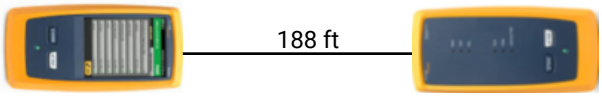
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-F (dB)	10.2	9.9	10.4	9.9
Freq. (MHz)	320.0	487.0	462.0	487.0
Limit (dB)	13.2	9.5	10.0	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	9.9	10.6	10.0
Freq. (MHz)	478.0	472.0	478.0	486.0
Limit (dB)	6.7	6.8	6.7	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.6	9.1	32.0	32.8
Freq. (MHz)	3.4	3.3	500.0	500.0
Limit (dB)	60.4	60.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.3	9.2	34.2	33.4
Freq. (MHz)	3.4	5.1	500.0	500.0
Limit (dB)	57.9	54.1	-26.1	-26.1

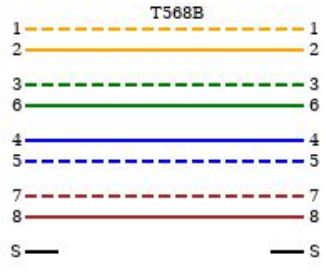
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.9	4.7	7.1	5.5
Freq. (MHz)	20.4	20.5	491.0	482.0
Limit (dB)	17.5	17.4	6.0	6.0

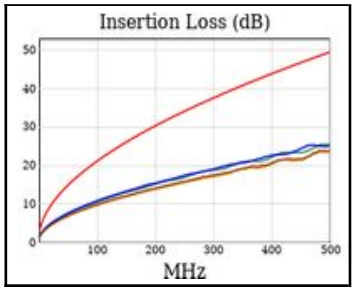
Compliant Network Standards:

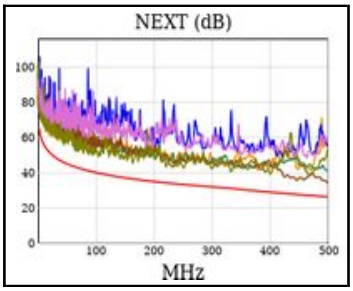
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

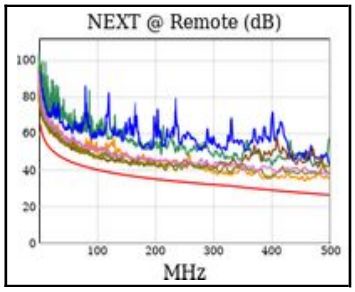


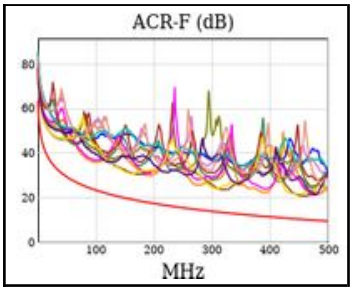
PASS

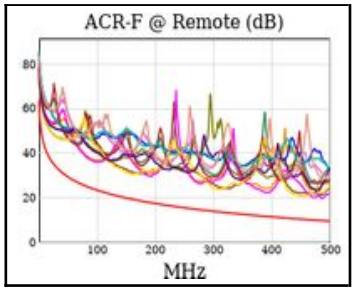


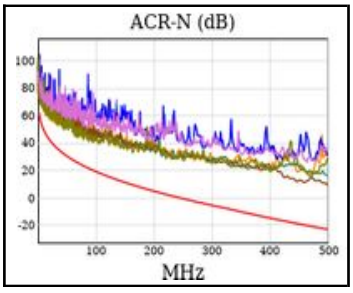


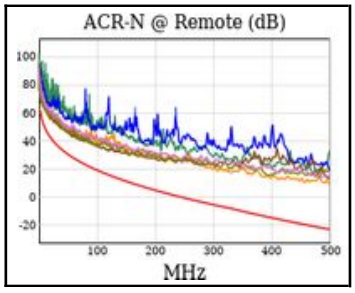


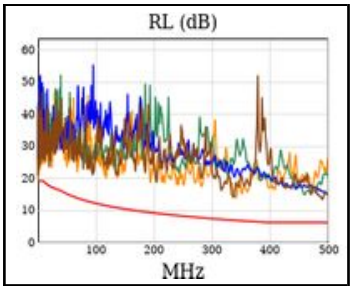


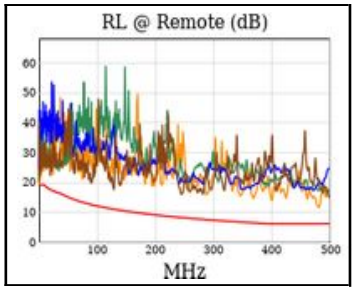












FLUKE networks

LinkWare Live

Cable ID: 104-A

Test Summary: PASS

Date / Time: 11/22/2022 11:57:23 AM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	168
Prop. Delay (ns), Limit 555	[Pair 3,6]	259
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 4,5]	7.5
Insertion Loss Margin (dB)	[Pair 4,5]	23.6
Frequency (MHz)	[Pair 4,5]	468.0
Limit (dB)	[Pair 4,5]	47.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.7	5.1	6.9	8.2
Freq. (MHz)	152.5	135.0	499.0	471.0
Limit (dB)	36.8	37.7	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	4.6	9.3	8.0
Freq. (MHz)	3.9	150.5	499.0	465.0
Limit (dB)	60.8	34.0	23.3	24.1

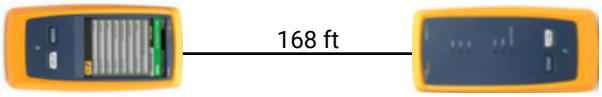
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.8	10.3	9.9
Freq. (MHz)	468.0	495.0	497.0	496.0
Limit (dB)	9.9	9.4	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.9	12.3	12.6	12.4
Freq. (MHz)	256.0	495.0	497.0	498.0
Limit (dB)	12.1	6.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.6	8.4	32.5	34.3
Freq. (MHz)	3.9	3.8	499.0	471.0
Limit (dB)	59.2	59.5	-23.1	-20.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	8.2	34.7	33.7
Freq. (MHz)	3.9	3.8	499.0	471.0
Limit (dB)	56.7	57.0	-26.0	-23.8

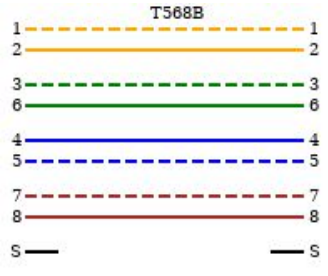
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	6.0	6.2	8.6	7.7
Freq. (MHz)	188.0	15.1	446.0	476.0
Limit (dB)	9.3	18.1	6.0	6.0

Compliant Network Standards:

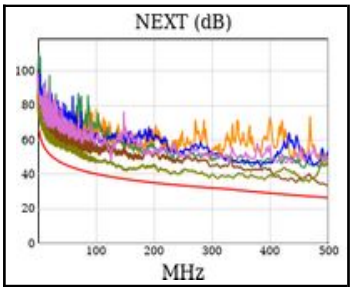
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

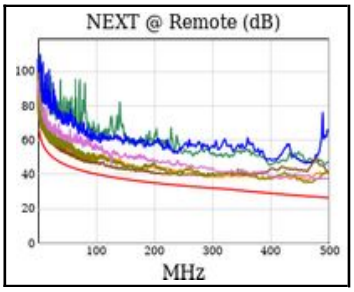


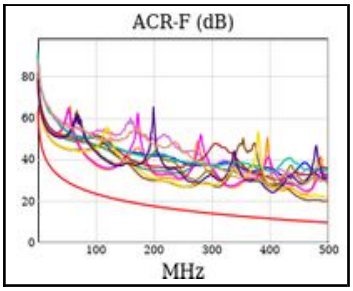
PASS

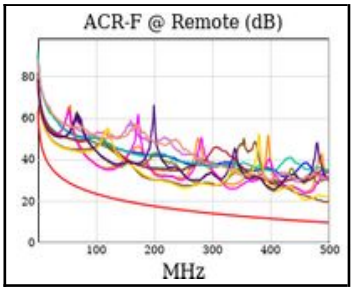


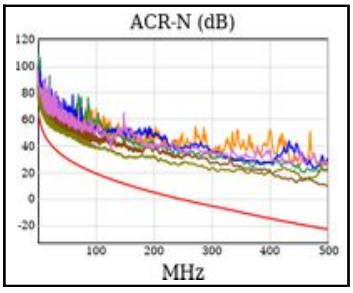


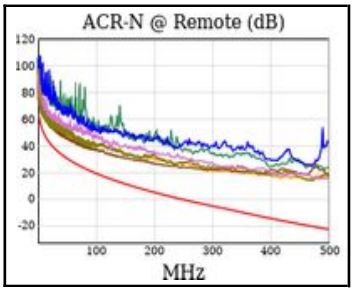


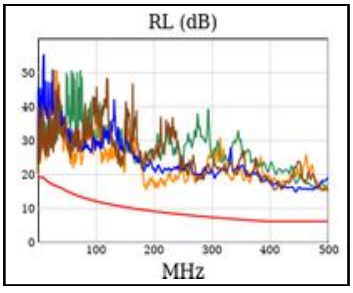


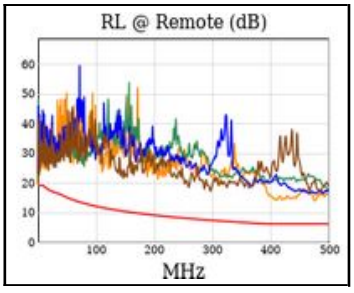












FLUKE networks

LinkWare Live

Cable ID: 104-B

Test Summary: PASS

Date / Time: 11/22/2022 11:58:03 AM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	167
Prop. Delay (ns), Limit 555	[Pair 3,6]	259
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 4,5]	7.5
Insertion Loss Margin (dB)	[Pair 4,5]	24.3
Frequency (MHz)	[Pair 4,5]	474.0
Limit (dB)	[Pair 4,5]	47.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.8	4.9	7.5	8.0
Freq. (MHz)	159.0	114.5	500.0	468.0
Limit (dB)	36.5	38.9	26.1	26.9
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	5.8	4.6	7.5	8.2
Freq. (MHz)	134.0	291.0	500.0	463.0
Limit (dB)	34.9	29.0	23.2	24.1

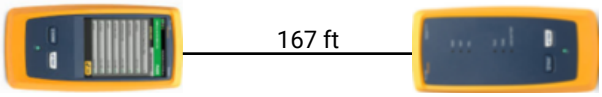
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.3	12.3	11.7
Freq. (MHz)	251.0	309.0	486.0	478.0
Limit (dB)	15.3	13.5	9.5	9.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.4	11.6	13.7	13.7
Freq. (MHz)	310.0	315.0	500.0	500.0
Limit (dB)	10.4	10.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-4,5
ACR-N (dB)	9.5	8.8	33.7	34.1
Freq. (MHz)	4.1	3.8	500.0	464.0
Limit (dB)	58.6	59.5	-23.2	-20.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.0	8.3	33.7	34.2
Freq. (MHz)	4.1	4.0	500.0	468.0
Limit (dB)	56.1	56.4	-26.1	-23.6

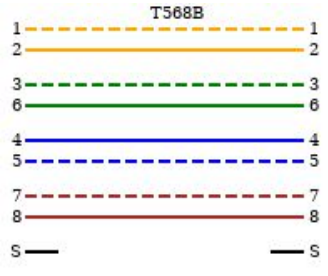
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	7.3	5.4	7.3
Freq. (MHz)	206.0	425.0	206.0	425.0
Limit (dB)	8.9	6.0	8.9	6.0

Compliant Network Standards:

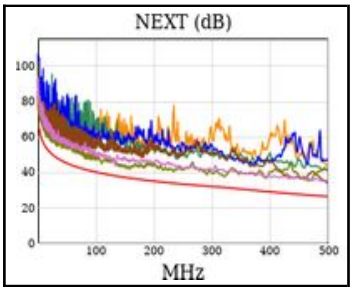
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

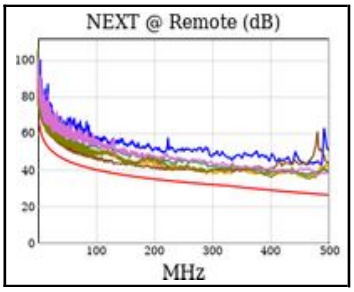


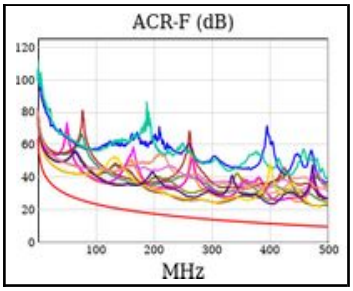
PASS

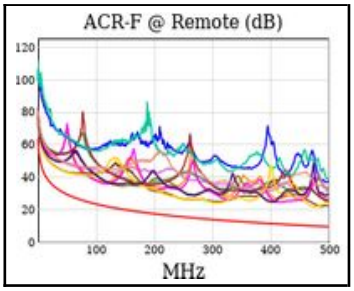


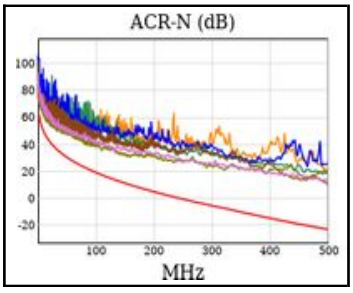


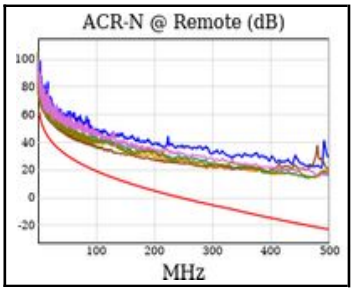


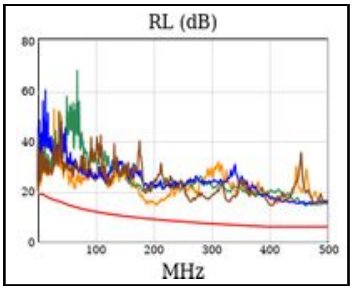


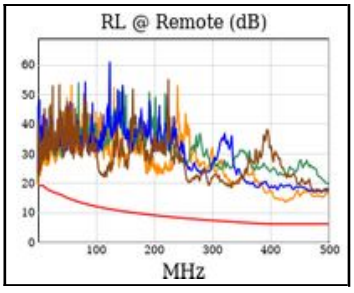












FLUKE networks

LinkWare Live

Cable ID: 104-A

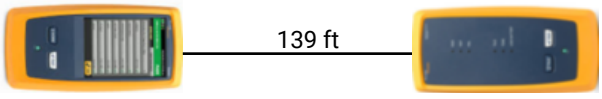
Test Summary: PASS

Date / Time: 11/19/2022 05:10:24 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

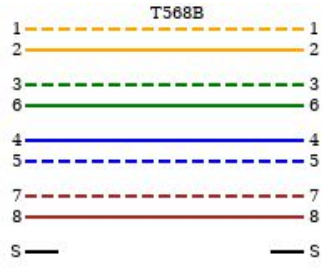
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

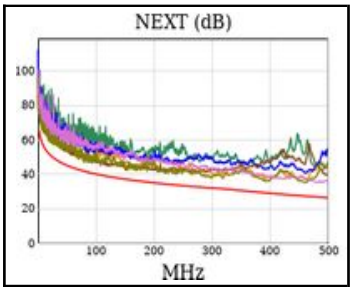
Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

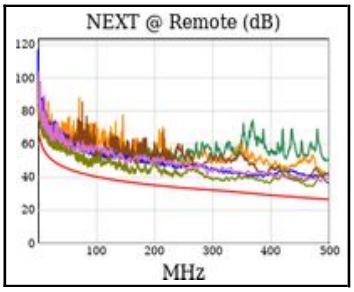


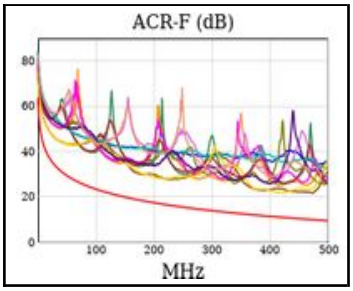
PASS

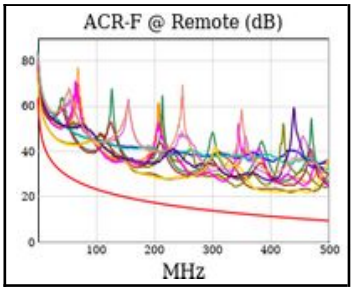


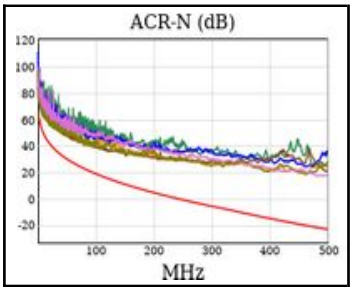


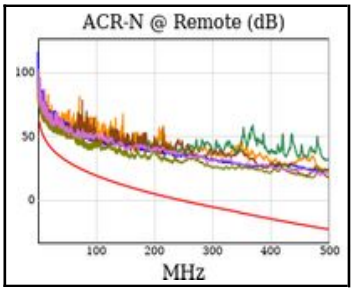


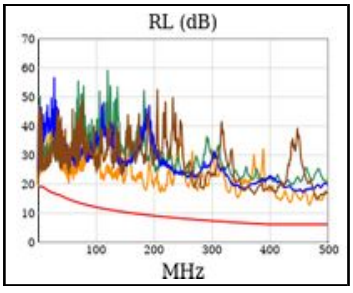


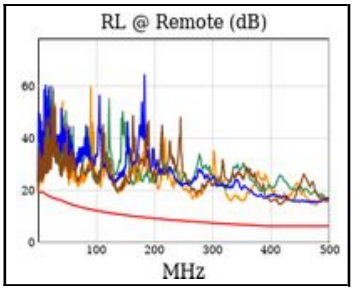












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.0	4.6	7.8	6.8
Freq. (MHz)	155.0	86.3	464.0	464.0
Limit (dB)	36.7	41.0	27.0	27.0
Worst Pair	3,6	7,8	7,8	7,8
PS NEXT (dB)	4.8	6.5	7.9	8.1
Freq. (MHz)	152.5	86.3	464.0	474.0
Limit (dB)	33.9	38.2	24.1	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.7	11.7	11.7
Freq. (MHz)	417.0	402.0	474.0	464.0
Limit (dB)	10.9	11.2	9.7	9.9
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.1	11.6	11.1	11.7
Freq. (MHz)	414.0	417.0	414.0	422.0
Limit (dB)	7.9	7.9	7.9	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-7,8
ACR-N (dB)	10.8	10.2	39.7	38.3
Freq. (MHz)	7.4	4.9	491.0	474.0
Limit (dB)	53.2	57.1	-22.5	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	10.2	38.3	40.4
Freq. (MHz)	4.6	4.9	464.0	500.0
Limit (dB)	55.1	54.6	-23.2	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.6	7.0	6.5	7.9
Freq. (MHz)	54.3	54.3	469.0	477.0
Limit (dB)	14.7	14.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-B

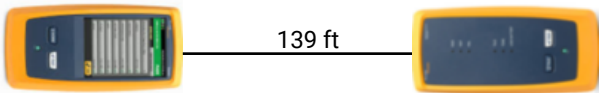
Test Summary: PASS

Date / Time: 11/19/2022 05:10:39 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

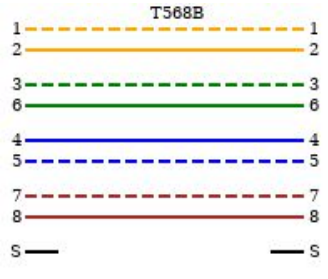
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

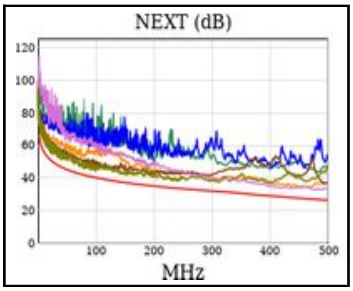
Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

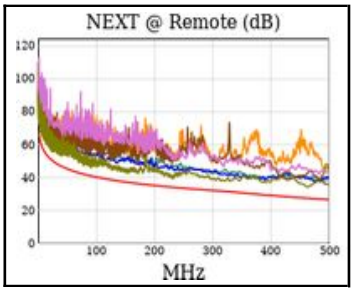


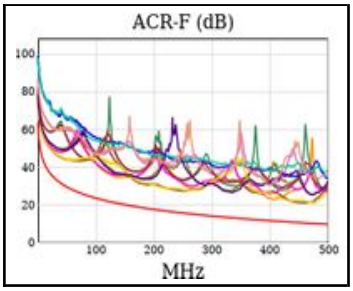
PASS

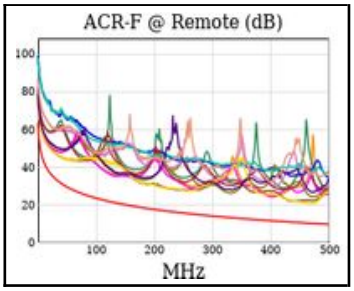


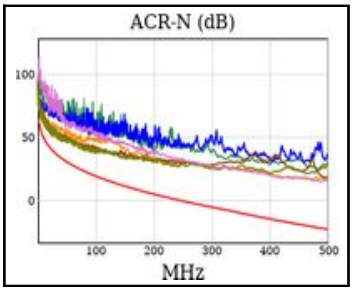


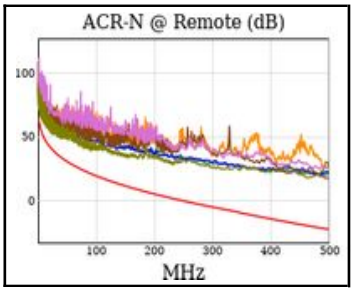


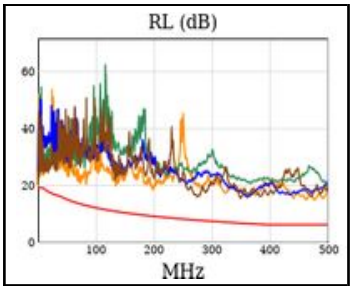


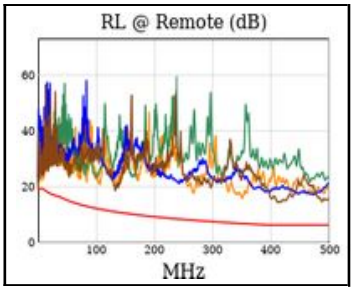












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-7,8
NEXT (dB)	3.8	4.9	6.2	6.6
Freq. (MHz)	81.3	91.8	491.0	465.0
Limit (dB)	41.5	40.6	26.3	27.0
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	4.7	6.1	7.7	8.1
Freq. (MHz)	81.5	5.0	491.0	465.0
Limit (dB)	38.6	59.0	23.4	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.0	10.8	10.0
Freq. (MHz)	452.0	468.0	463.0	468.0
Limit (dB)	10.2	9.9	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.6	12.6	12.8
Freq. (MHz)	8.1	1.0	477.0	477.0
Limit (dB)	42.1	60.3	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	7.9	8.2	37.0	39.8
Freq. (MHz)	5.0	5.0	490.0	499.0
Limit (dB)	56.9	56.9	-22.4	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.4	9.0	38.7	40.5
Freq. (MHz)	4.6	4.9	499.0	499.0
Limit (dB)	55.1	54.6	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	6.6	7.5	8.6	7.9
Freq. (MHz)	18.3	134.0	463.0	413.0
Limit (dB)	17.7	10.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-A

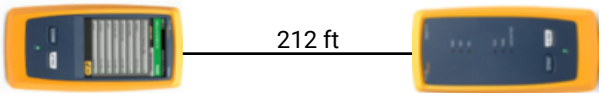
Test Summary: PASS

Date / Time: 11/27/2022 05:31:07 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

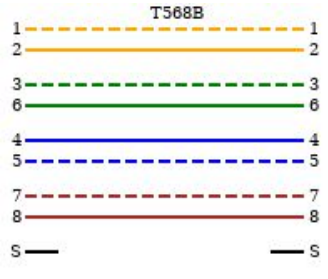
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

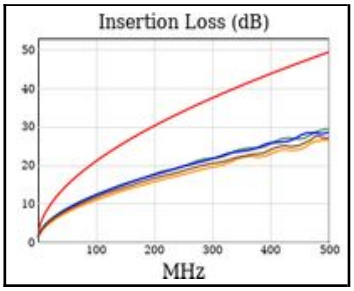
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	335
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	18.5
Insertion Loss Margin (dB)	[Pair 3,6]	20.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

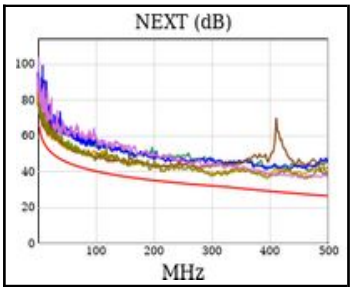


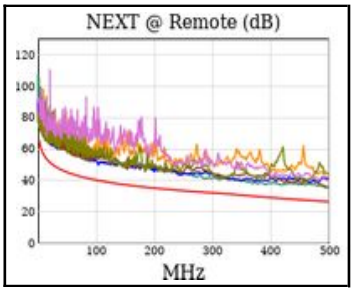
PASS



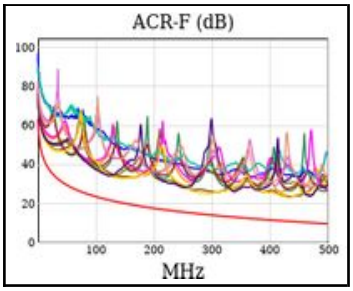


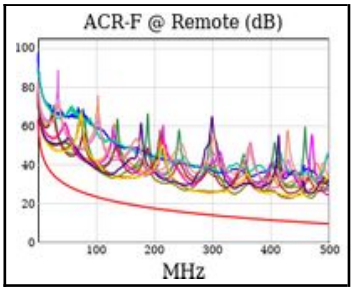
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.3	7.7	8.6	8.7
Freq. (MHz)	213.0	3.1	460.0	500.0
Limit (dB)	34.3	64.8	27.1	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.0	7.3	8.5	8.4
Freq. (MHz)	213.0	3.1	460.0	500.0
Limit (dB)	31.4	62.0	24.2	23.2



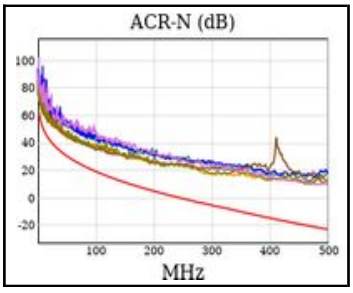


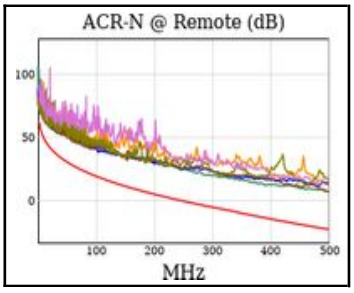
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.8	12.0	12.1
Freq. (MHz)	292.0	3.3	434.0	434.0
Limit (dB)	13.9	53.0	10.5	10.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.0	10.4	13.8	13.4
Freq. (MHz)	1.9	3.3	465.0	438.0
Limit (dB)	54.8	50.0	6.9	7.4



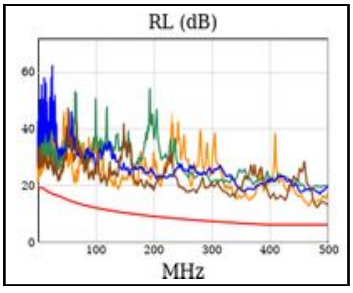


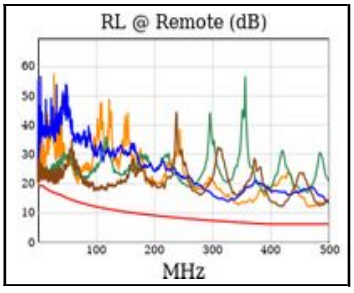
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	8.1	9.4	31.6	29.5
Freq. (MHz)	3.0	3.1	488.0	500.0
Limit (dB)	61.4	61.1	-22.3	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.3	8.7	31.4	29.2
Freq. (MHz)	3.0	3.1	498.0	500.0
Limit (dB)	58.4	58.3	-25.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.3	2.1	6.1	5.8
Freq. (MHz)	35.8	10.0	482.0	465.0
Limit (dB)	16.2	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 104-B

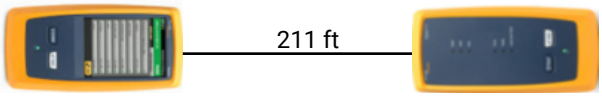
Test Summary: PASS

Date / Time: 11/27/2022 05:39:55 PM
Headroom: 1.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

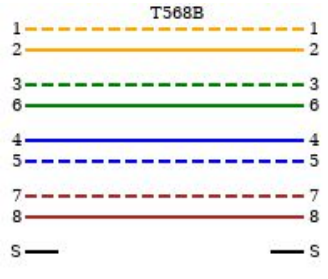
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

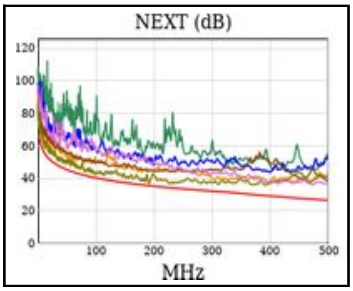
Length (ft), Limit 328	[Pair 1,2]	211
Prop. Delay (ns), Limit 555	[Pair 4,5]	335
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	12.8
Insertion Loss Margin (dB)	[Pair 3,6]	19.9
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

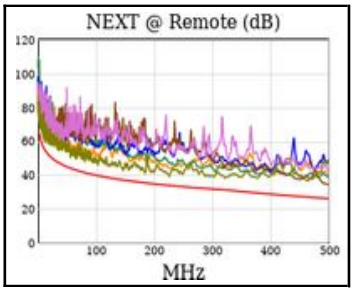


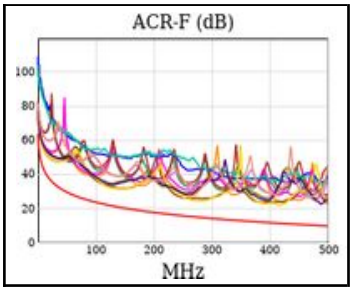
PASS

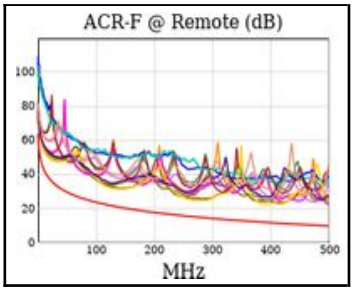


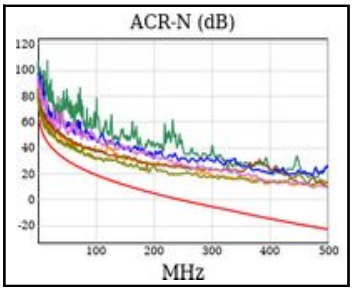


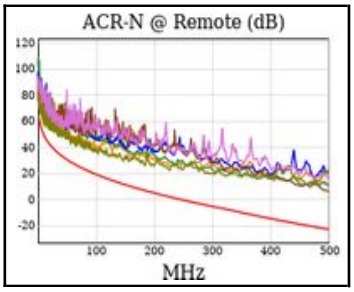


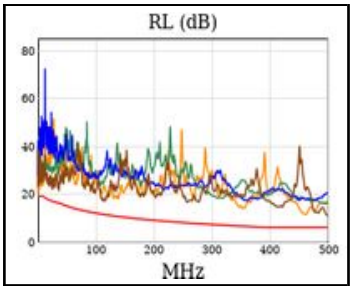


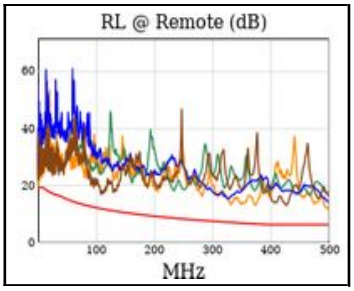












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	1.3	4.6	6.3	8.2
Freq. (MHz)	192.5	13.0	392.0	500.0
Limit (dB)	35.1	54.7	29.0	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	3.1	5.9	6.9	9.3
Freq. (MHz)	192.5	12.9	392.0	500.0
Limit (dB)	32.1	52.2	26.0	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.6	10.4	10.8
Freq. (MHz)	269.0	269.0	417.0	417.0
Limit (dB)	14.7	14.7	10.9	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	10.2	11.1	12.6
Freq. (MHz)	266.0	257.0	417.0	500.0
Limit (dB)	11.8	12.1	7.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	6.7	7.6	30.2	29.0
Freq. (MHz)	12.9	3.1	477.0	500.0
Limit (dB)	47.4	61.1	-21.4	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.0	8.1	31.5	30.1
Freq. (MHz)	4.6	4.8	500.0	500.0
Limit (dB)	55.1	54.8	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.3	3.9	4.8	5.5
Freq. (MHz)	8.9	8.9	500.0	498.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-A

Test Summary: PASS

Date / Time: 12/17/2022 03:36:38 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	159
Prop. Delay (ns), Limit 555	[Pair 4,5]	247
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	19.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	8.3	4.4	9.7	6.7
Freq. (MHz)	4.0	297.0	500.0	453.0
Limit (dB)	63.0	31.8	26.1	27.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.9	3.8	10.0	6.4
Freq. (MHz)	4.0	171.0	500.0	402.0
Limit (dB)	60.5	33.0	23.2	25.7

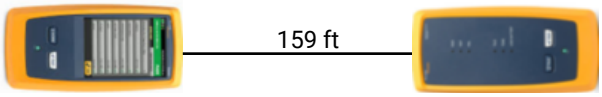
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-7,8
ACR-F (dB)	10.3	10.6	12.7	13.5
Freq. (MHz)	319.0	319.0	482.0	482.0
Limit (dB)	13.2	13.2	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.7	12.7	11.8
Freq. (MHz)	326.0	331.0	489.0	333.0
Limit (dB)	10.0	9.9	6.5	9.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	8.8	38.5	33.5
Freq. (MHz)	4.0	3.9	500.0	453.0
Limit (dB)	58.9	59.2	-23.2	-19.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	8.1	37.3	35.6
Freq. (MHz)	4.0	3.9	496.0	462.0
Limit (dB)	56.4	56.7	-25.8	-23.1

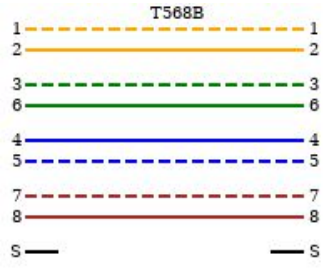
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.0	2.5	5.0	6.6
Freq. (MHz)	497.0	11.1	497.0	493.0
Limit (dB)	6.0	18.8	6.0	6.0

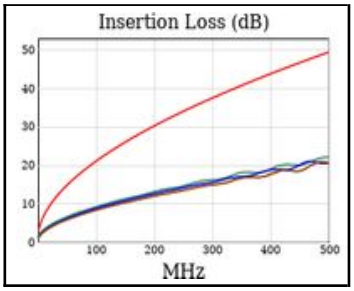
Compliant Network Standards:

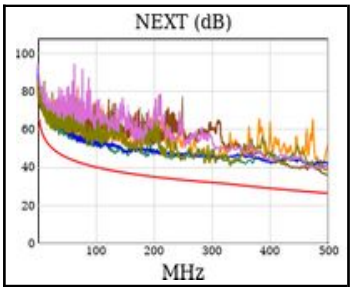
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

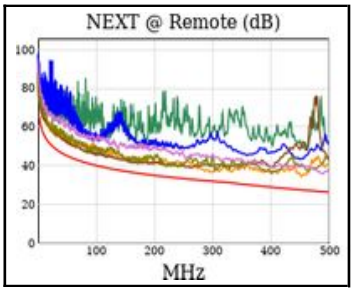


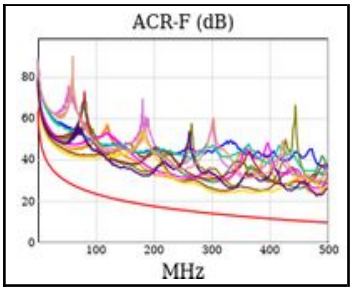
PASS

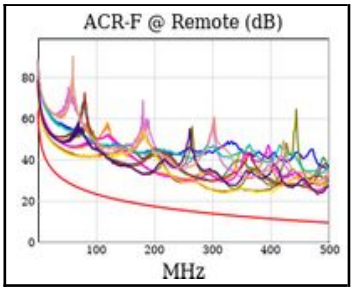


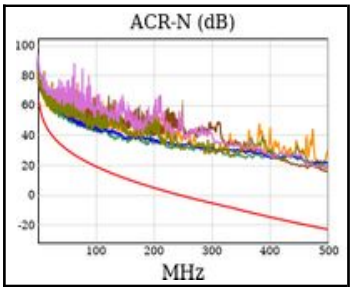


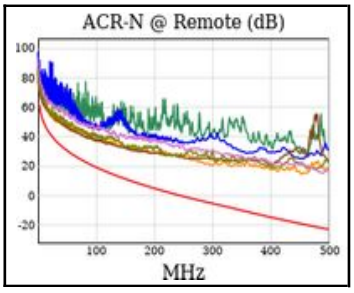


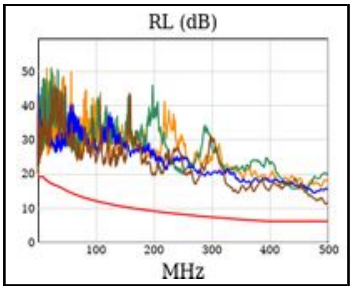


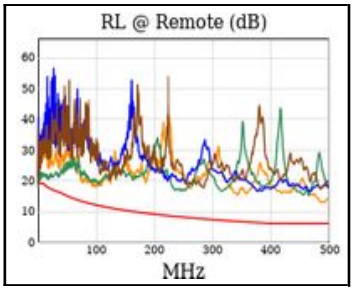












FLUKE networks

LinkWare Live

Cable ID: 105-A

Test Summary: PASS

Date / Time: 11/25/2022 01:51:11 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 3,6]	203
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	4.3	6.0	4.4
Freq. (MHz)	280.0	492.0	461.0	494.0
Limit (dB)	32.3	26.3	27.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	5.3	7.3	7.1
Freq. (MHz)	400.0	315.0	496.0	497.0
Limit (dB)	25.8	28.4	23.3	23.3

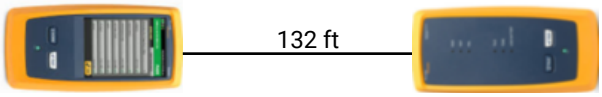
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.9	10.4	10.2
Freq. (MHz)	380.0	389.0	449.0	454.0
Limit (dB)	11.7	11.5	10.2	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.7	11.4	12.0	11.4
Freq. (MHz)	329.0	327.0	463.0	454.0
Limit (dB)	9.9	10.0	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	11.4	9.3	35.4	34.9
Freq. (MHz)	2.8	2.6	469.0	500.0
Limit (dB)	61.5	61.6	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	9.5	36.7	36.5
Freq. (MHz)	2.6	5.0	496.0	497.0
Limit (dB)	58.6	54.3	-25.8	-25.8

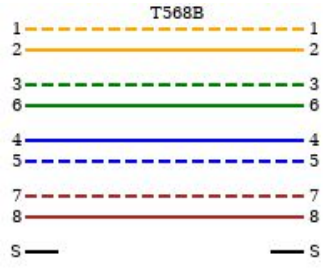
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	7.7	4.5	7.8	6.5
Freq. (MHz)	59.3	98.0	473.0	409.0
Limit (dB)	14.3	12.1	6.0	6.0

Compliant Network Standards:

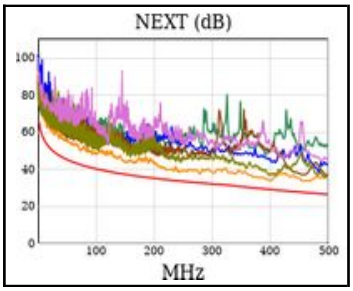
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

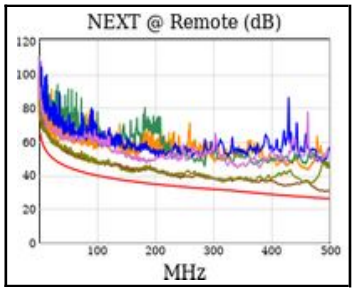


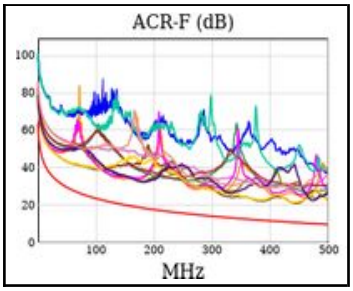
PASS

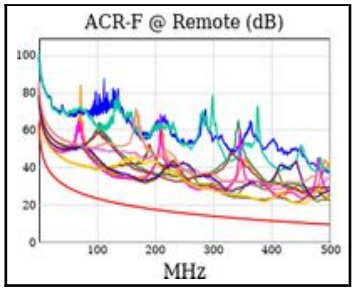


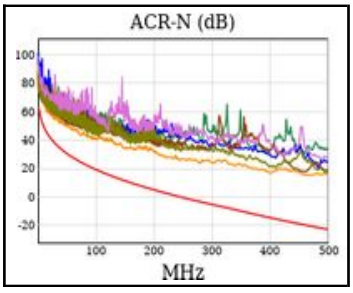


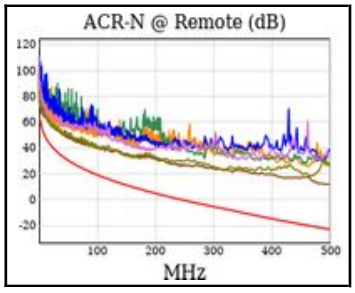


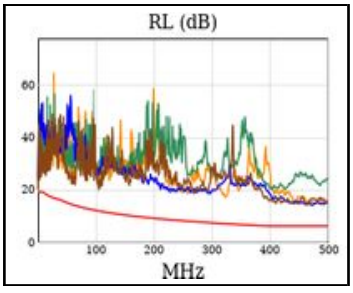


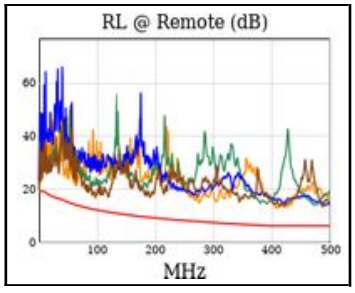












FLUKE networks

LinkWare Live

Cable ID: 105-B

Test Summary: PASS

Date / Time: 11/25/2022 01:51:57 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 3,6]	227
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	4.9	6.8	7.9
Freq. (MHz)	260.0	158.0	468.0	499.0
Limit (dB)	32.8	36.5	26.9	26.1
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	5.4	7.1	8.7	9.5
Freq. (MHz)	234.0	158.0	496.0	499.0
Limit (dB)	30.7	33.6	23.3	23.3

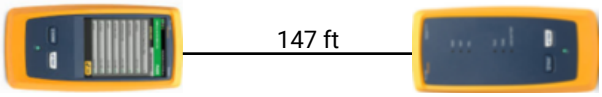
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.3	12.7	13.1
Freq. (MHz)	308.0	316.0	500.0	500.0
Limit (dB)	13.5	13.3	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.4	11.5	12.4	12.5
Freq. (MHz)	260.0	316.0	500.0	499.0
Limit (dB)	12.0	10.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	11.6	36.1	36.4
Freq. (MHz)	7.0	4.8	496.0	499.0
Limit (dB)	53.7	57.3	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.1	36.6	37.6
Freq. (MHz)	4.5	4.5	496.0	499.0
Limit (dB)	55.3	55.3	-25.8	-26.0

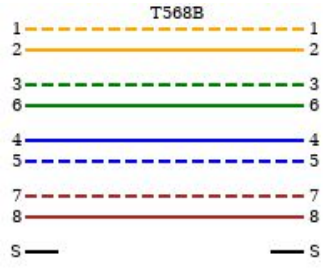
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	7.8	4.9	7.9	5.4
Freq. (MHz)	126.5	103.0	480.0	440.0
Limit (dB)	11.0	11.9	6.0	6.0

Compliant Network Standards:

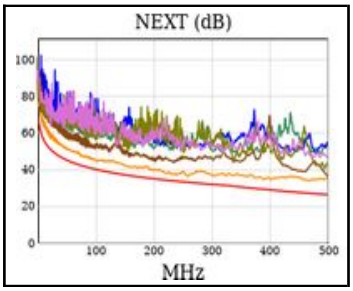
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

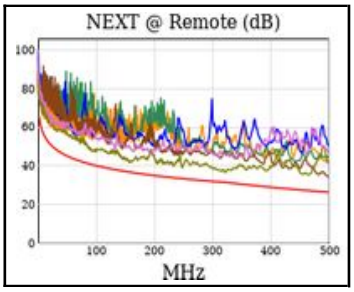


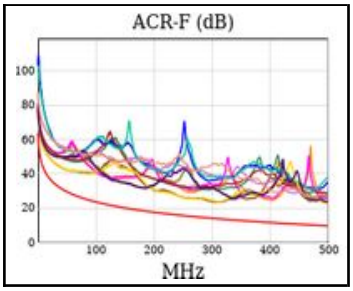
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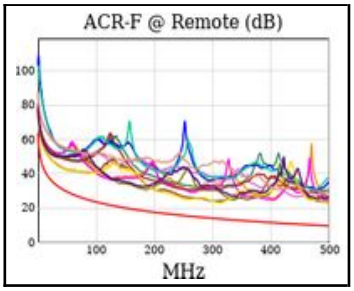


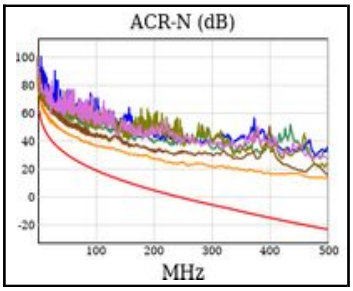


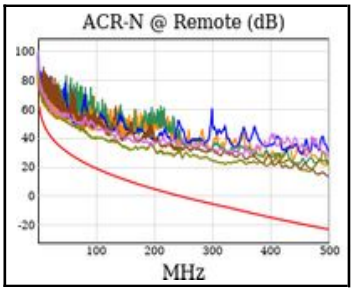


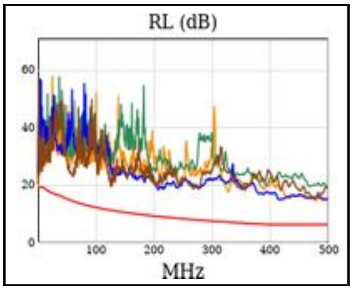


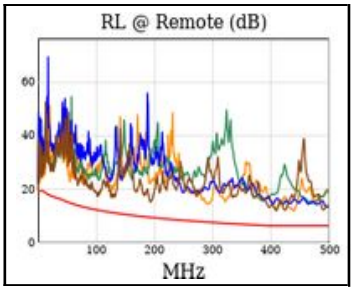












FLUKE networks

LinkWare Live

Cable ID: 105-A

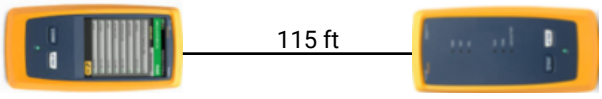
Test Summary: PASS

Date / Time: 11/26/2022 02:24:08 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

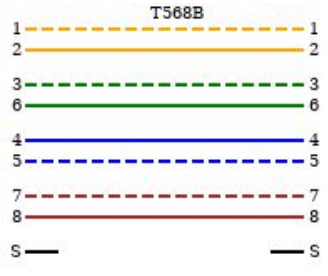
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

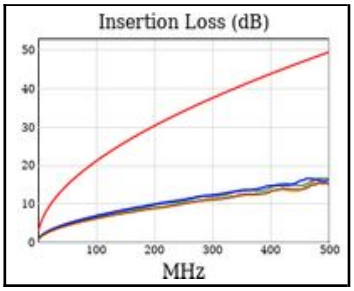
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	115
Prop. Delay (ns), Limit 555	[Pair 3,6]	179
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 4,5]	5.3
Insertion Loss Margin (dB)	[Pair 3,6]	32.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

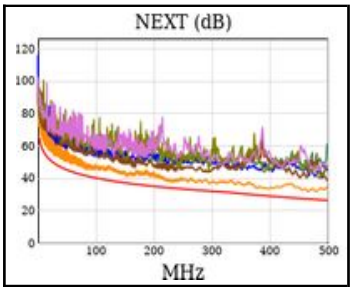


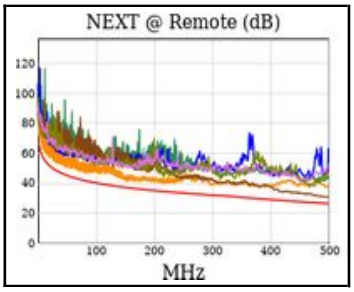
PASS



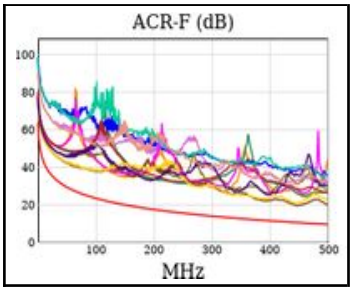


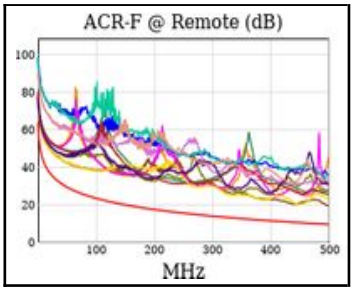
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	3.9	4.5	4.2
Freq. (MHz)	234.0	153.0	466.0	497.0
Limit (dB)	33.6	36.8	26.9	26.2
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.7	6.0	7.3	6.0
Freq. (MHz)	227.5	497.0	479.0	497.0
Limit (dB)	30.9	23.3	23.7	23.3



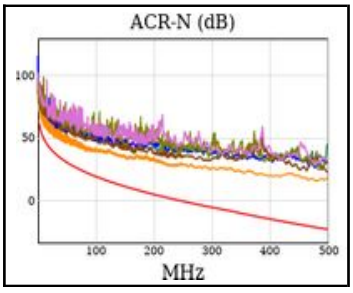


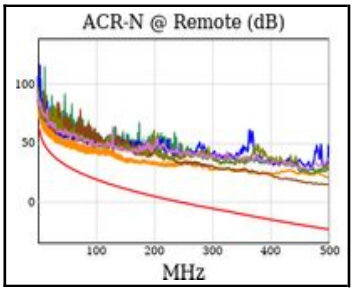
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.6	9.1	10.0
Freq. (MHz)	448.0	440.0	448.0	500.0
Limit (dB)	10.2	10.4	10.2	9.3
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	11.0	11.2	11.0	11.9
Freq. (MHz)	451.0	403.0	451.0	499.0
Limit (dB)	7.2	8.2	7.2	6.3



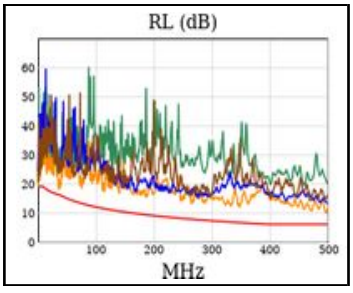


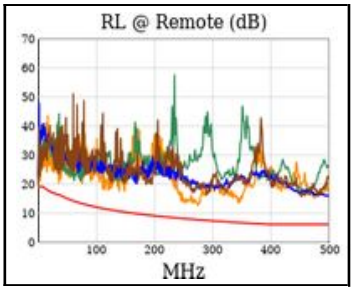
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	8.9	37.1	37.5
Freq. (MHz)	3.0	3.1	482.0	497.0
Limit (dB)	61.4	61.1	-21.8	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	10.6	39.8	38.6
Freq. (MHz)	3.3	3.1	485.0	497.0
Limit (dB)	58.2	58.3	-24.9	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	1.8	4.1	3.7	4.7
Freq. (MHz)	37.0	37.0	498.0	275.0
Limit (dB)	16.2	16.2	6.0	7.6





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-B

Test Summary: PASS

Date / Time: 11/26/2022 02:24:45 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	116
Prop. Delay (ns), Limit 555	[Pair 3,6]	180
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	5.7
Insertion Loss Margin (dB)	[Pair 3,6]	32.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.5	2.6	5.1	2.6
Freq. (MHz)	239.0	485.0	466.0	485.0
Limit (dB)	33.5	26.5	26.9	26.5
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.3	4.4	6.6	4.4
Freq. (MHz)	239.0	485.0	466.0	485.0
Limit (dB)	30.5	23.6	24.0	23.6

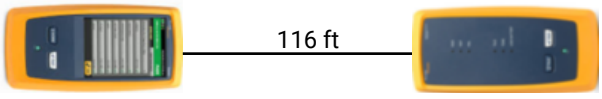
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.4	9.4	10.3	10.5
Freq. (MHz)	383.0	380.0	445.0	439.0
Limit (dB)	11.6	11.7	10.3	10.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.5	11.5	12.8	12.4
Freq. (MHz)	6.4	1.1	445.0	439.0
Limit (dB)	44.2	59.2	7.3	7.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.3	9.7	37.7	35.1
Freq. (MHz)	6.1	3.3	485.0	485.0
Limit (dB)	55.0	60.7	-22.0	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	10.4	39.5	37.3
Freq. (MHz)	5.9	3.3	485.0	491.0
Limit (dB)	52.8	58.2	-24.9	-25.4

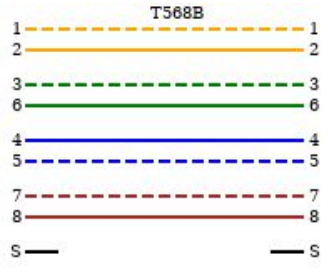
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.3	5.8	5.1	6.0
Freq. (MHz)	36.5	264.0	489.0	276.0
Limit (dB)	16.2	7.8	6.0	7.6

Compliant Network Standards:

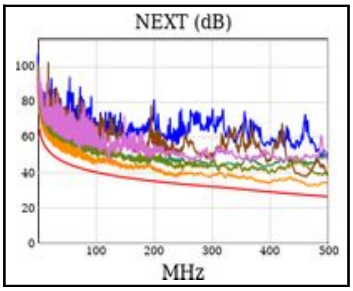
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

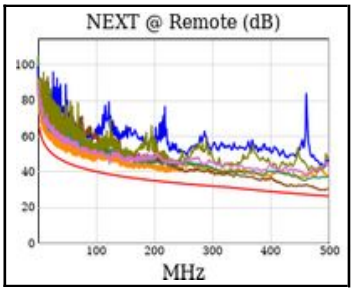


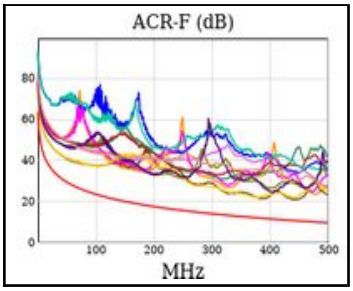
PASS

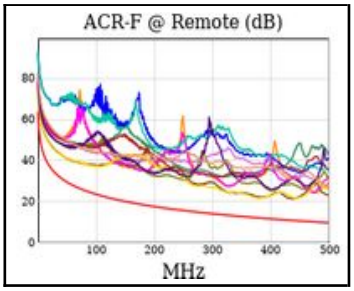


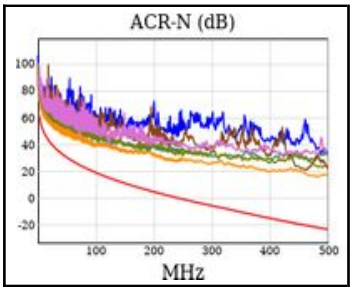


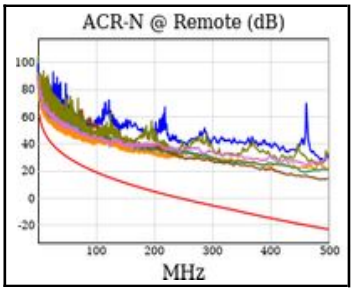


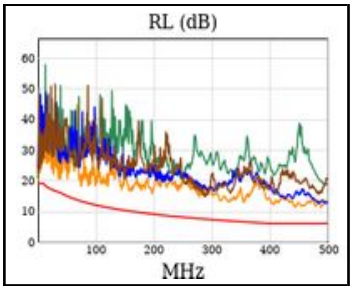


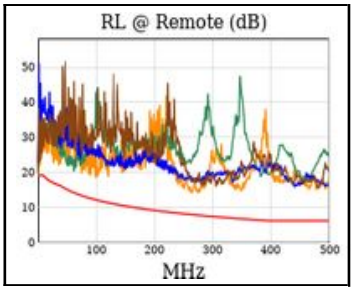












FLUKE networks

LinkWare Live

Cable ID: 105-2-A

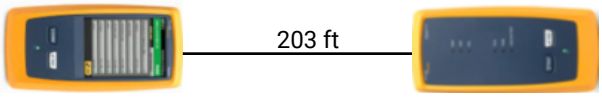
Test Summary: PASS

Date / Time: 12/11/2022 01:08:02 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

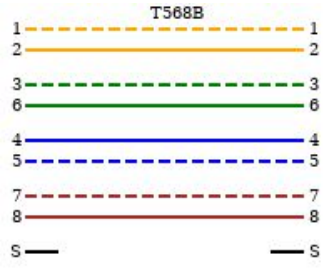
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	203
Prop. Delay (ns), Limit 555	[Pair 4,5]	316
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS

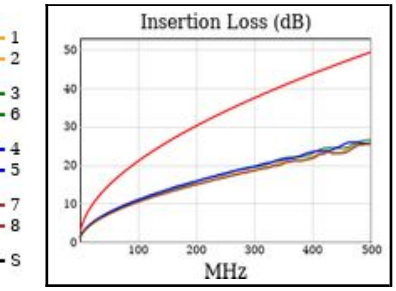


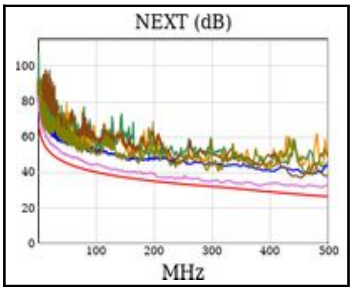
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	4,5-7,8	1,2-3,6
NEXT (dB)	2.4	3.4	4.7	5.3
Freq. (MHz)	212.5	231.5	489.0	481.0
Limit (dB)	34.3	33.7	26.4	26.6
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	4.3	4.4	6.8	6.5
Freq. (MHz)	294.0	300.0	489.0	497.0
Limit (dB)	28.9	28.8	23.5	23.3

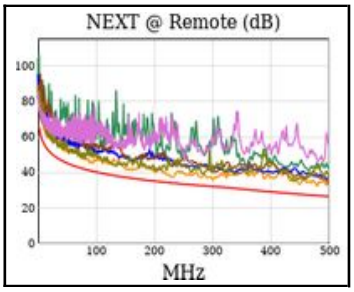
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.4	9.4	9.4
Freq. (MHz)	451.0	451.0	451.0	451.0
Limit (dB)	10.2	10.2	10.2	10.2
Worst Pair	4,5	4,5	3,6	4,5
PS ACR-F (dB)	11.4	11.5	12.2	11.6
Freq. (MHz)	450.0	445.0	498.0	449.0
Limit (dB)	7.2	7.3	6.3	7.2

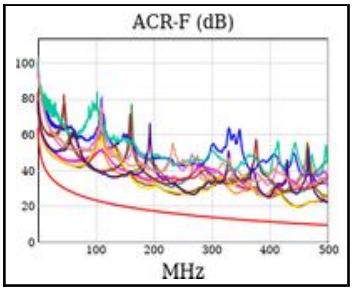
N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	4,5-7,8	1,2-3,6
ACR-N (dB)	9.6	10.2	28.2	28.7
Freq. (MHz)	14.4	15.8	490.0	497.0
Limit (dB)	46.2	45.2	-22.4	-23.0
Worst Pair	7,8	3,6	4,5	3,6
PS ACR-N (dB)	9.9	10.6	29.9	29.0
Freq. (MHz)	7.9	15.9	489.0	497.0
Limit (dB)	50.0	42.5	-25.2	-25.8

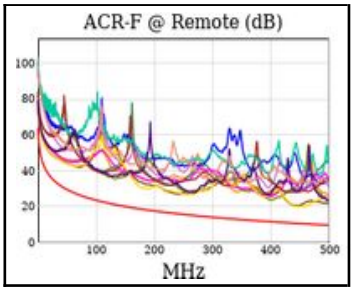
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	3,6	1,2
RL (dB)	7.0	4.6	8.1	4.6
Freq. (MHz)	9.1	492.0	468.0	492.0
Limit (dB)	19.0	6.0	6.0	6.0

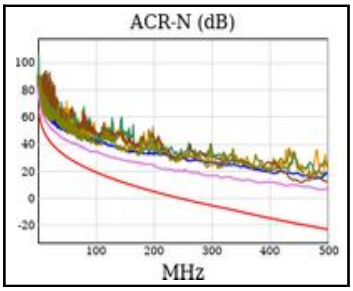


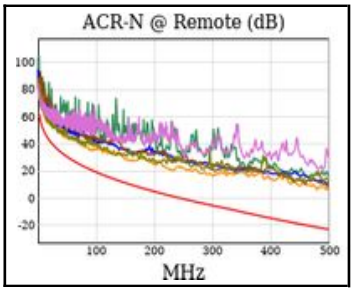


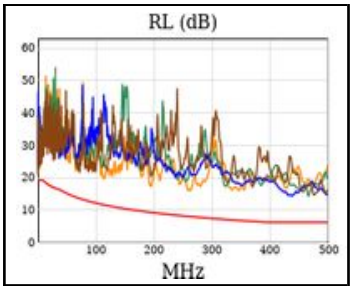


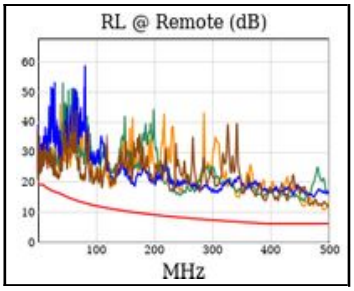












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-2-B

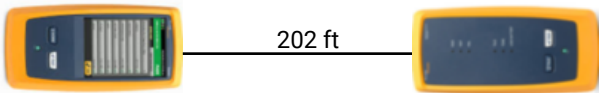
Test Summary: PASS

Date / Time: 12/11/2022 01:01:54 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

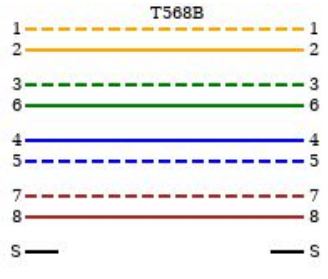
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

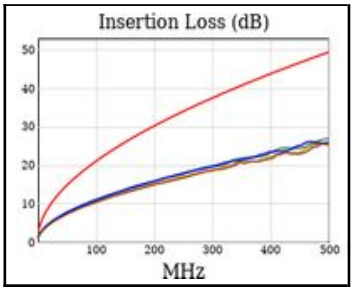
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

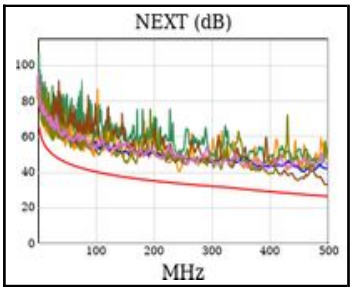
Length (ft), Limit 328	[Pair 7,8]	202
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

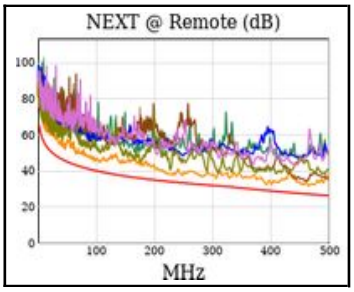


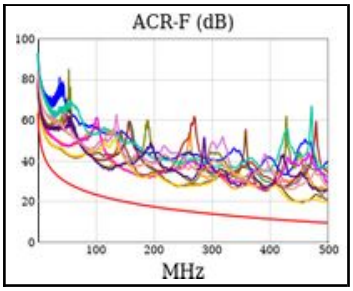
PASS

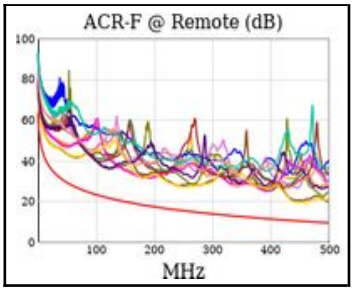


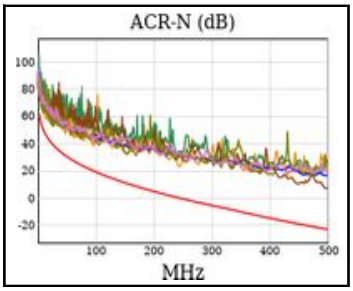


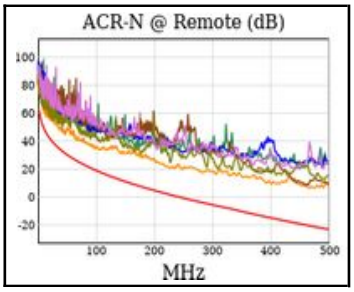


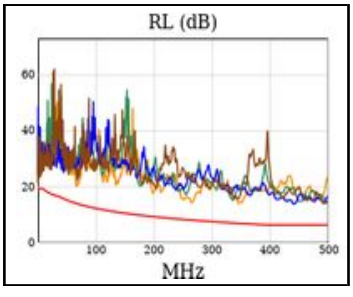


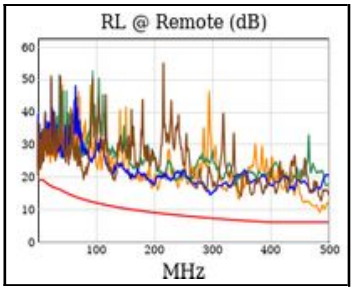












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.4	3.3	6.5	4.5
Freq. (MHz)	497.0	394.0	498.0	466.0
Limit (dB)	26.2	28.9	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.5	4.9	9.0	5.5
Freq. (MHz)	243.5	228.0	498.0	466.0
Limit (dB)	30.4	30.9	23.3	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	9.1	9.2	9.1
Freq. (MHz)	457.0	463.0	457.0	463.0
Limit (dB)	10.1	9.9	10.1	9.9
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.3	11.6
Freq. (MHz)	7.3	447.0	499.0	499.0
Limit (dB)	43.1	7.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	11.4	29.9	26.7
Freq. (MHz)	15.3	15.3	498.0	466.0
Limit (dB)	45.6	45.6	-23.1	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.5	11.2	31.6	29.5
Freq. (MHz)	6.4	6.4	498.0	491.0
Limit (dB)	52.0	52.0	-25.9	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	6.2	3.1	7.5	3.1
Freq. (MHz)	265.0	485.0	441.0	485.0
Limit (dB)	7.8	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-3-A

Test Summary: PASS

Date / Time: 12/11/2022 12:50:36 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	225
Prop. Delay (ns), Limit 555	[Pair 4,5]	351
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	15.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.3	3.1	8.7	6.0
Freq. (MHz)	2.9	310.0	500.0	491.0
Limit (dB)	65.0	31.5	26.1	26.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	3.9	4.0	9.3	7.5
Freq. (MHz)	19.9	19.8	500.0	492.0
Limit (dB)	49.0	49.1	23.2	23.4

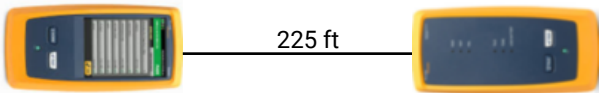
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.2	7.8	8.6	7.8
Freq. (MHz)	386.0	386.0	438.0	386.0
Limit (dB)	11.5	11.5	10.4	11.5
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	8.4	8.7	10.3	8.7
Freq. (MHz)	6.8	386.0	476.0	386.0
Limit (dB)	43.7	8.5	6.7	8.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	4.9	5.6	28.9	24.8
Freq. (MHz)	2.9	3.0	500.0	491.0
Limit (dB)	61.4	61.4	-23.2	-22.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	5.9	6.2	29.5	26.3
Freq. (MHz)	3.0	3.0	500.0	492.0
Limit (dB)	58.4	58.4	-26.1	-25.5

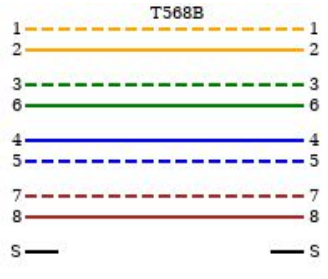
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.6	4.2	7.6	4.5
Freq. (MHz)	67.5	6.4	475.0	480.0
Limit (dB)	13.7	19.0	6.0	6.0

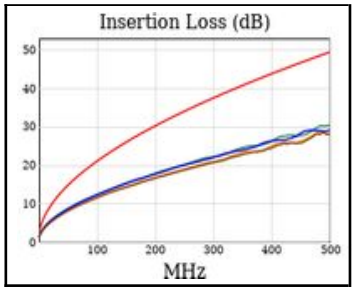
Compliant Network Standards:

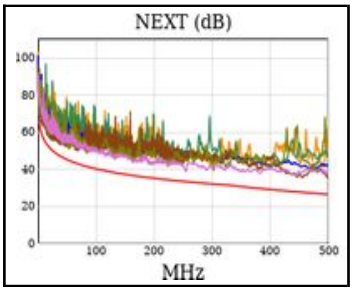
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

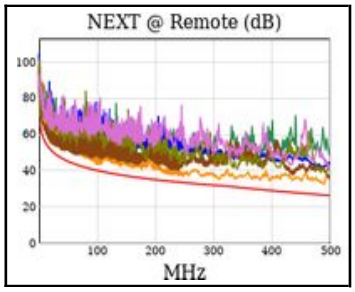


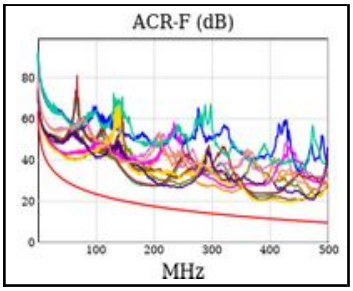
PASS

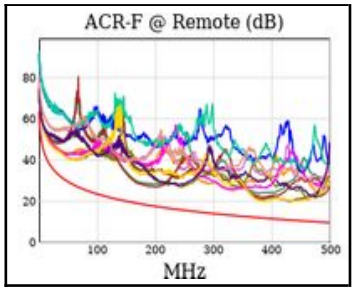


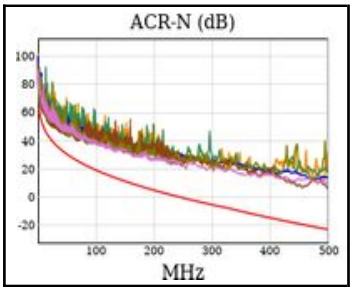


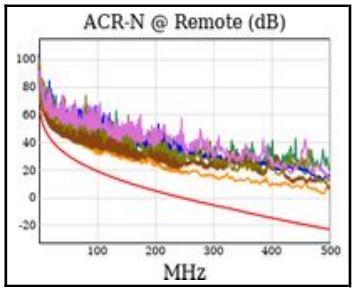


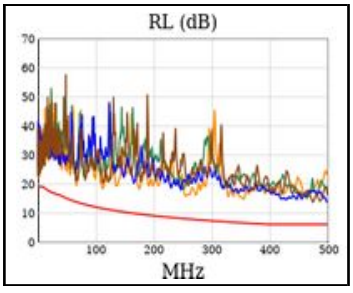


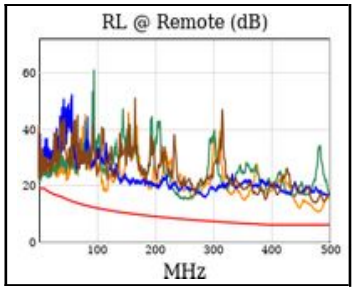












FLUKE networks

LinkWare Live

Cable ID: 105-3-B

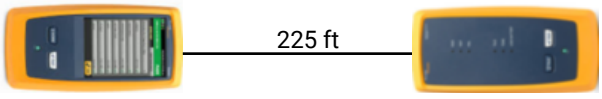
Test Summary: PASS

Date / Time: 12/11/2022 12:51:13 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

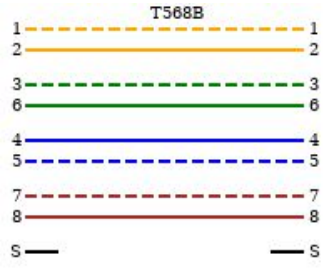
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	225
Prop. Delay (ns), Limit 555	[Pair 4,5]	349
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	15.0
Insertion Loss Margin (dB)	[Pair 3,6]	19.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3



PASS

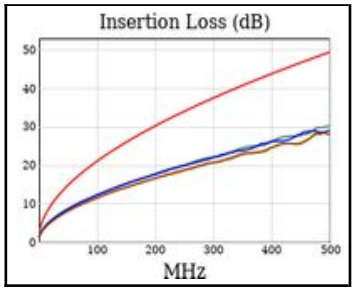


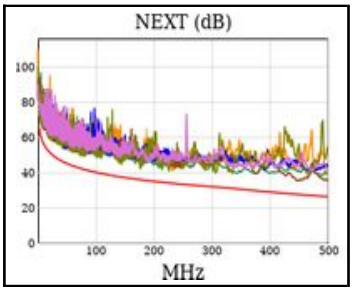
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.7	4.0	7.3	5.1
Freq. (MHz)	177.5	237.0	449.0	468.0
Limit (dB)	35.7	33.5	27.4	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.0	4.7	9.8	7.7
Freq. (MHz)	6.0	227.5	500.0	500.0
Limit (dB)	57.7	30.9	23.2	23.2

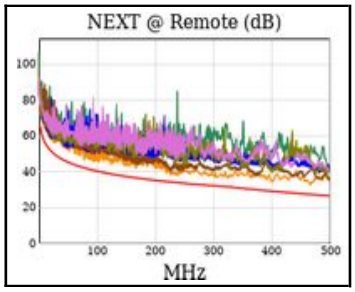
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	7.7	8.2	7.8	8.3
Freq. (MHz)	436.0	451.0	437.0	454.0
Limit (dB)	10.5	10.2	10.4	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	7.9	8.1	8.8	10.6
Freq. (MHz)	6.8	5.1	430.0	456.0
Limit (dB)	43.7	46.1	7.6	7.1

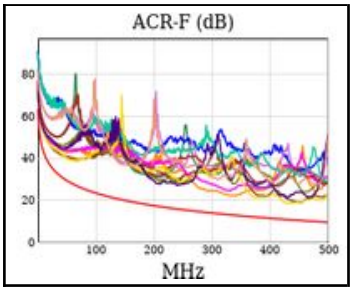
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.4	7.8	29.1	24.1
Freq. (MHz)	3.1	3.0	500.0	468.0
Limit (dB)	61.1	61.4	-23.2	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	8.1	29.4	27.0
Freq. (MHz)	3.0	3.0	497.0	500.0
Limit (dB)	58.4	58.4	-25.8	-26.1

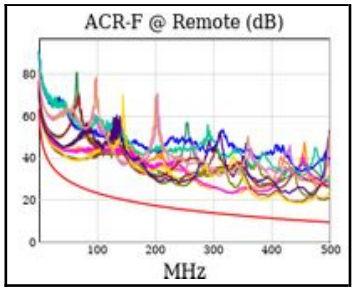
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.3	3.9	5.7	4.3
Freq. (MHz)	8.3	6.4	473.0	470.0
Limit (dB)	19.0	19.0	6.0	6.0

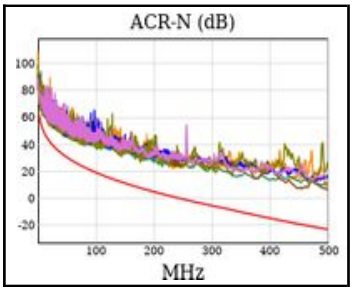


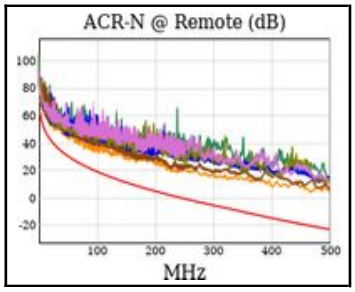


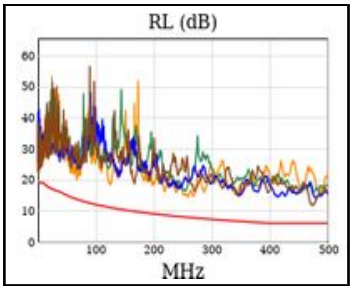


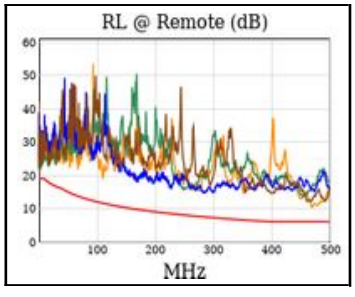












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-A

Test Summary: PASS

Date / Time: 11/21/2022 05:41:49 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	190
Prop. Delay (ns), Limit 555	[Pair 4,5]	295
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	23.0
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.1	2.3	5.1	2.3
Freq. (MHz)	500.0	461.0	500.0	461.0
Limit (dB)	26.1	27.1	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	4.5	5.2	5.2
Freq. (MHz)	492.0	461.0	492.0	492.0
Limit (dB)	23.4	24.2	23.4	23.4

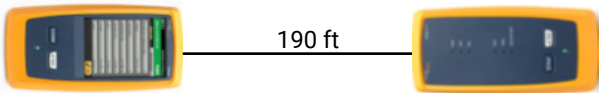
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	10.1	10.0	10.3
Freq. (MHz)	250.0	251.0	496.0	497.0
Limit (dB)	15.3	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.0	12.3	12.0
Freq. (MHz)	6.0	260.0	500.0	459.0
Limit (dB)	44.7	12.0	6.3	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	9.8	9.5	28.8	26.6
Freq. (MHz)	5.4	5.4	492.0	488.0
Limit (dB)	56.2	56.2	-22.6	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.1	28.2	28.2
Freq. (MHz)	3.6	5.3	492.0	492.0
Limit (dB)	57.3	53.9	-25.5	-25.5

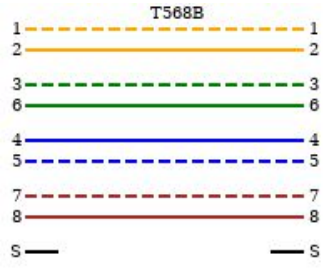
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.3	7.1	7.3	7.4
Freq. (MHz)	483.0	50.3	483.0	490.0
Limit (dB)	6.0	15.0	6.0	6.0

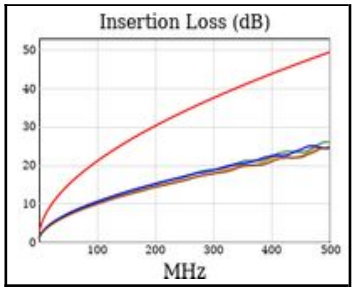
Compliant Network Standards:

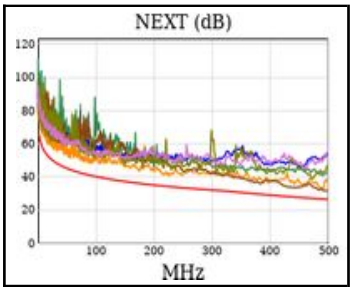
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

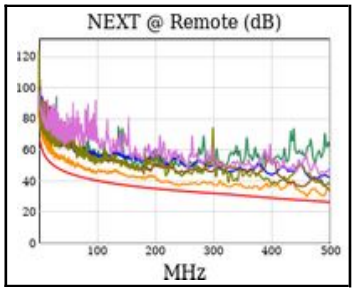


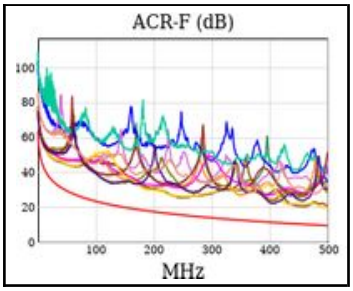
PASS

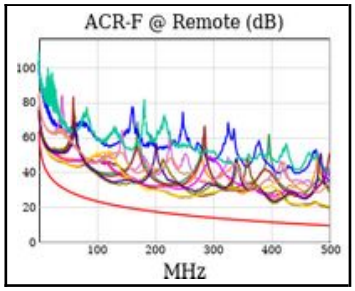


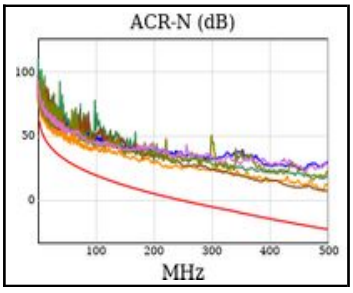


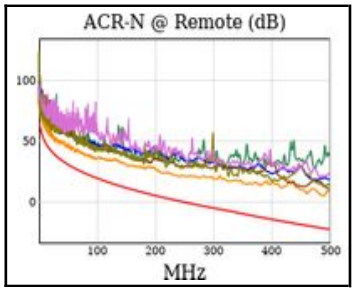


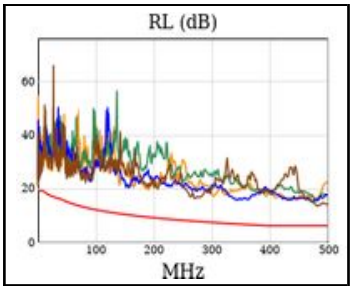


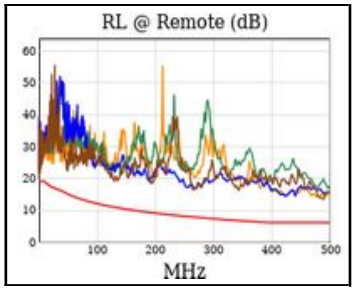












FLUKE networks

LinkWare Live

Cable ID: 105-B

Test Summary: PASS

Date / Time: 11/21/2022 05:43:28 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	191
Prop. Delay (ns), Limit 555	[Pair 4,5]	296
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.5	3.8	5.7	5.6
Freq. (MHz)	80.5	236.5	500.0	473.0
Limit (dB)	41.5	33.5	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	4.7	6.9	6.7
Freq. (MHz)	240.5	236.5	500.0	494.0
Limit (dB)	30.4	30.6	23.2	23.4

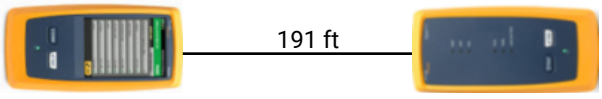
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	10.5	9.8	10.8
Freq. (MHz)	500.0	245.5	500.0	500.0
Limit (dB)	9.3	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.3	12.1	11.7
Freq. (MHz)	402.0	258.0	500.0	467.0
Limit (dB)	8.2	12.0	6.3	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.3	8.6	30.5	28.8
Freq. (MHz)	3.6	3.6	500.0	473.0
Limit (dB)	59.8	59.8	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.2	30.4	29.9
Freq. (MHz)	3.6	3.5	500.0	494.0
Limit (dB)	57.3	57.6	-26.1	-25.6

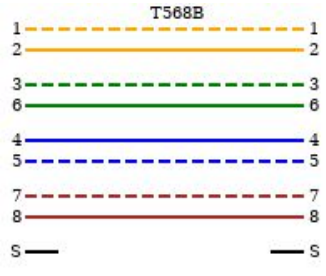
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.4	7.1	6.6	7.1
Freq. (MHz)	76.5	492.0	490.0	492.0
Limit (dB)	13.2	6.0	6.0	6.0

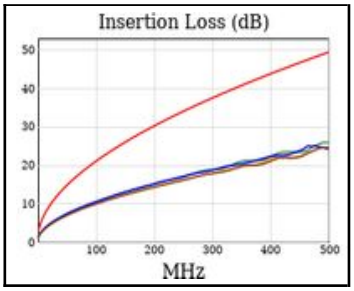
Compliant Network Standards:

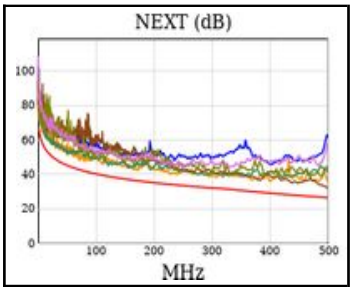
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

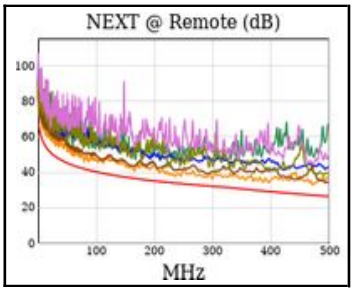


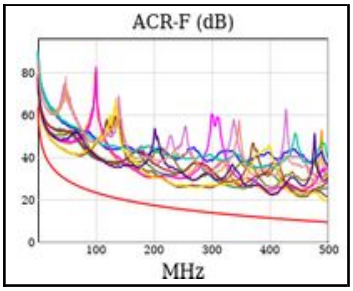
PASS

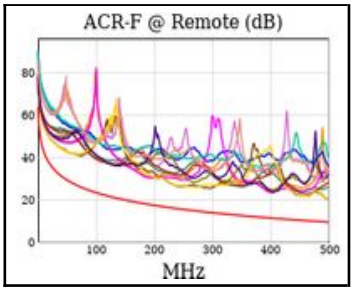


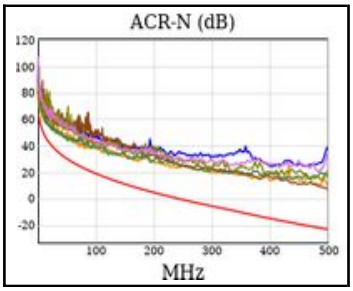


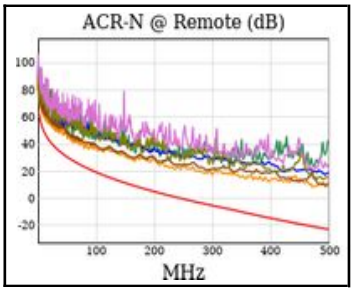


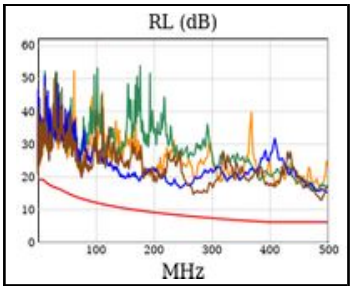


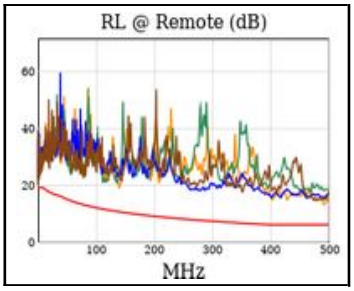












FLUKE networks

LinkWare Live

Cable ID: 105-A

Test Summary: PASS

Date / Time: 11/21/2022 02:12:56 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	196
Prop. Delay (ns), Limit 555	[Pair 3,6]	303
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	21.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.2	3.7	6.8	5.3
Freq. (MHz)	327.0	243.0	498.0	463.0
Limit (dB)	31.1	33.3	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.0	5.7	8.4	5.9
Freq. (MHz)	327.0	243.0	498.0	463.0
Limit (dB)	28.1	30.4	23.3	24.1

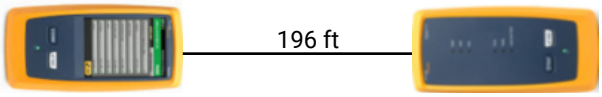
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.8	9.7	9.8
Freq. (MHz)	449.0	454.0	454.0	454.0
Limit (dB)	10.2	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.6	11.5	11.9
Freq. (MHz)	470.0	436.0	470.0	470.0
Limit (dB)	6.8	7.5	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	10.4	12.3	28.5	28.8
Freq. (MHz)	3.3	3.5	498.0	500.0
Limit (dB)	60.7	60.1	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	11.2	29.8	28.5
Freq. (MHz)	3.3	3.4	497.0	500.0
Limit (dB)	58.2	57.9	-25.8	-26.1

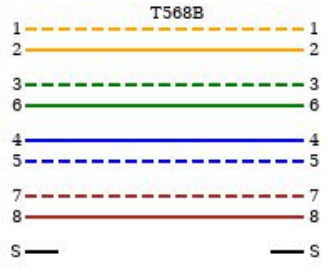
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	5.4	5.2	5.4	7.7
Freq. (MHz)	498.0	51.8	498.0	496.0
Limit (dB)	6.0	14.9	6.0	6.0

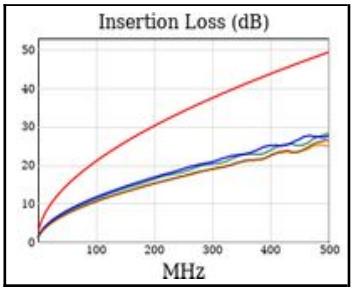
Compliant Network Standards:

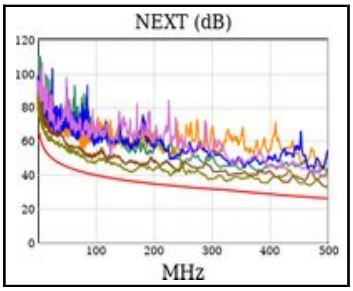
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

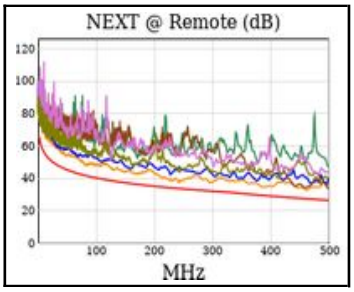


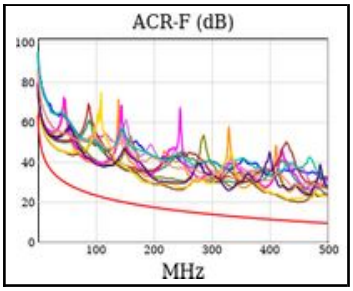
PASS

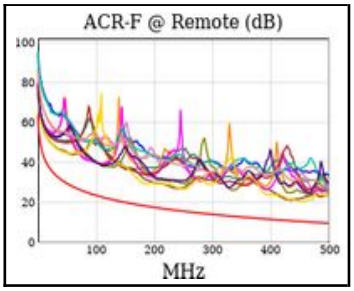


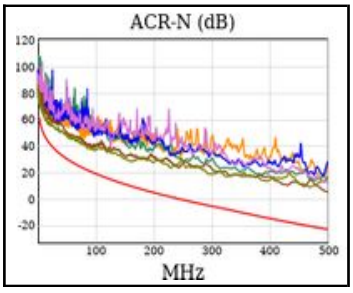


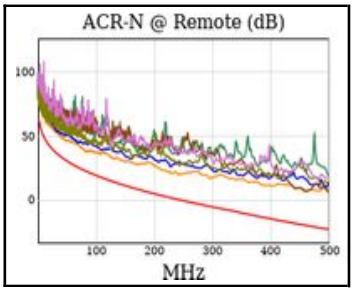


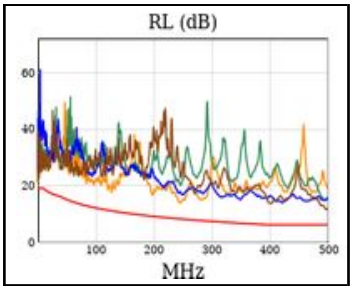


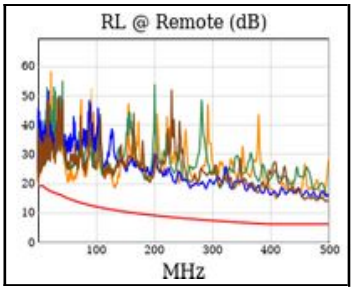












FLUKE networks

LinkWare Live

Cable ID: 105-A

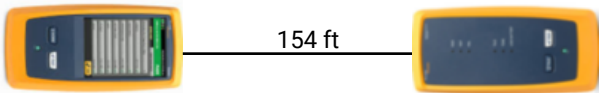
Test Summary: PASS

Date / Time: 12/10/2022 04:09:36 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

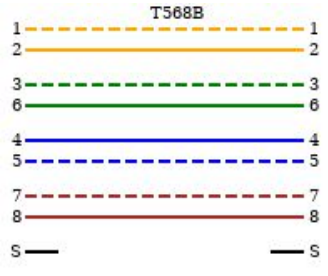
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

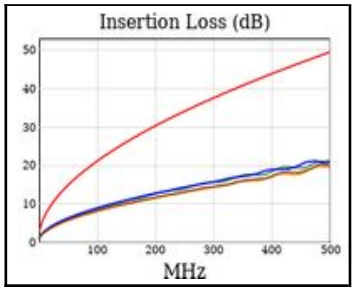
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

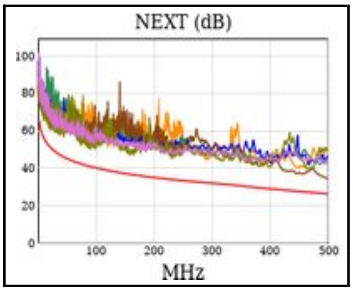
Length (ft), Limit 328	[Pair 1,2]	154
Prop. Delay (ns), Limit 555	[Pair 4,5]	244
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	7.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.0
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

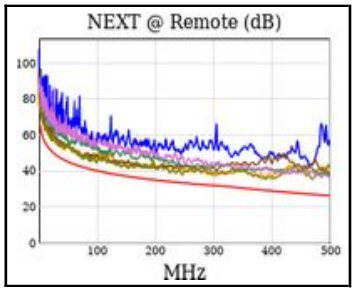


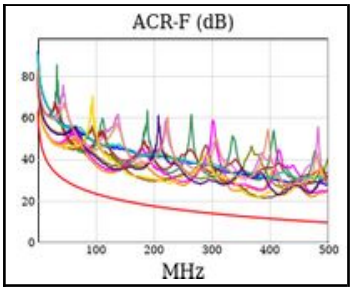
PASS

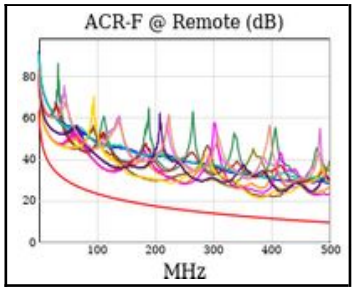


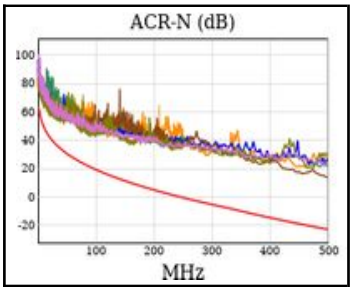


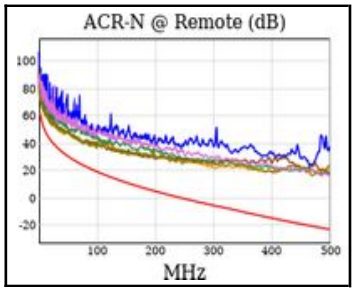


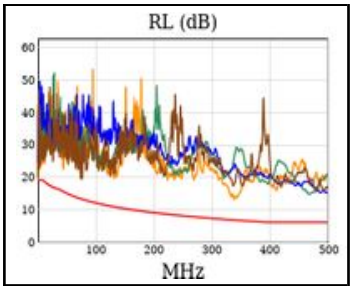


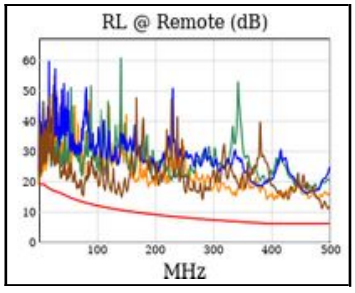












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	8.0	4.2	8.0	8.2
Freq. (MHz)	499.0	100.0	499.0	471.0
Limit (dB)	26.1	39.9	26.1	26.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.7	3.4	9.7	6.3
Freq. (MHz)	20.5	75.0	499.0	390.0
Limit (dB)	48.8	39.2	23.3	26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.4	9.8	9.4
Freq. (MHz)	392.0	382.0	392.0	382.0
Limit (dB)	11.4	11.6	11.4	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	11.2	12.8
Freq. (MHz)	376.0	389.0	426.0	474.0
Limit (dB)	8.8	8.5	7.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.1	9.3	36.5	37.9
Freq. (MHz)	3.8	4.0	499.0	486.0
Limit (dB)	59.5	58.9	-23.1	-22.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.9	8.6	38.3	38.0
Freq. (MHz)	4.3	4.0	499.0	500.0
Limit (dB)	55.8	56.4	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.1	2.1	6.1	4.9
Freq. (MHz)	339.0	77.3	339.0	498.0
Limit (dB)	6.7	13.1	6.7	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-2-A

Test Summary: PASS

Date / Time: 12/10/2022 06:38:21 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	232
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	28.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.8	4.3	7.9	6.4
Freq. (MHz)	160.0	166.0	499.0	396.0
Limit (dB)	36.4	36.2	26.1	28.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.0	3.7	9.8	6.8
Freq. (MHz)	28.8	79.5	500.0	402.0
Limit (dB)	46.3	38.8	23.2	25.7

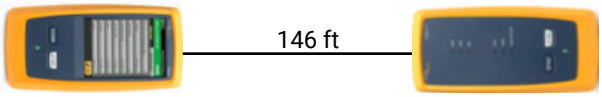
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.3	10.4	10.4
Freq. (MHz)	466.0	452.0	466.0	454.0
Limit (dB)	9.9	10.2	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.4	11.6	10.4
Freq. (MHz)	7.5	480.0	463.0	480.0
Limit (dB)	42.8	6.6	6.9	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	9.7	37.5	37.9
Freq. (MHz)	7.0	4.3	500.0	473.0
Limit (dB)	53.7	58.3	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	9.0	38.6	38.6
Freq. (MHz)	4.5	4.4	495.0	480.0
Limit (dB)	55.3	55.6	-25.7	-24.5

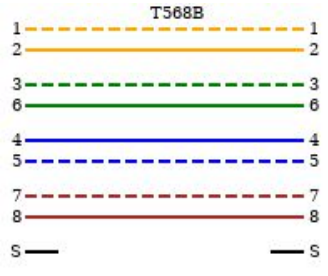
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	7.2	2.8	7.8	6.4
Freq. (MHz)	44.0	44.0	500.0	476.0
Limit (dB)	15.6	15.6	6.0	6.0

Compliant Network Standards:

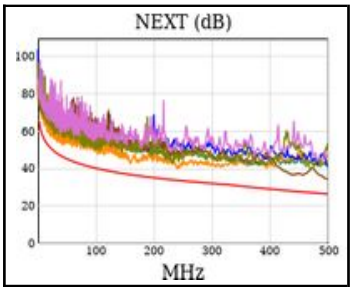
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

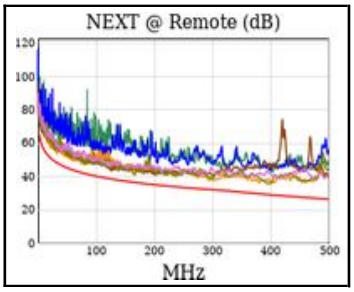


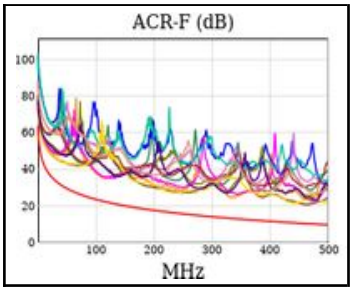
PASS

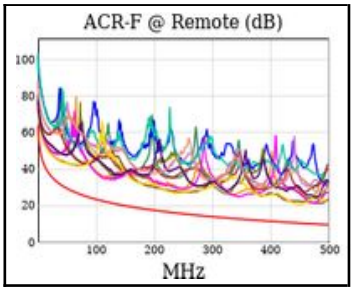


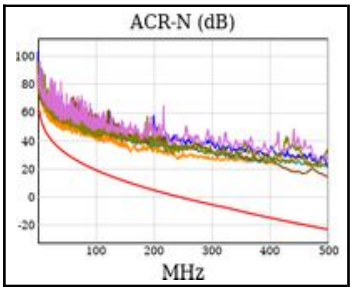


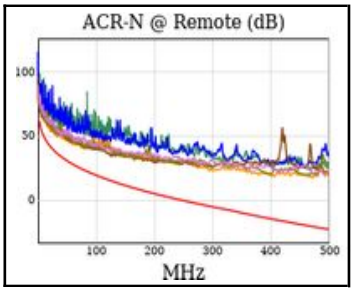


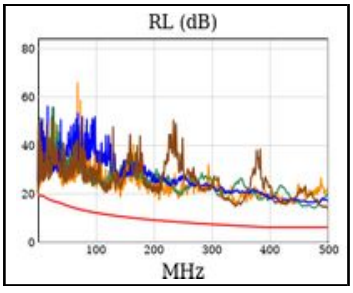


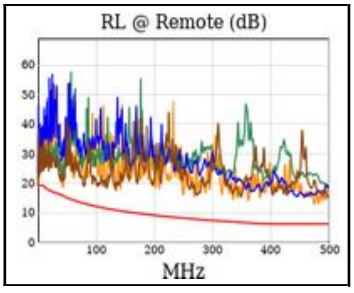












FLUKE networks

LinkWare Live

Cable ID: 105-2-B

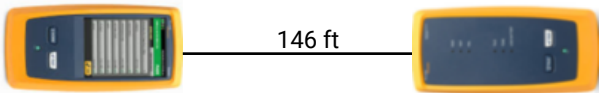
Test Summary: PASS

Date / Time: 12/10/2022 06:38:46 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

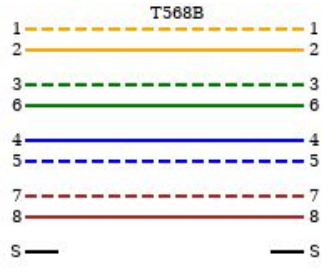
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

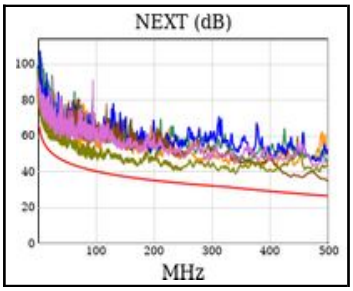
Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	231
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.8
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

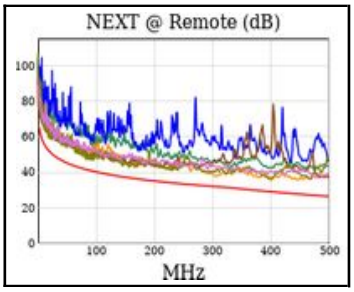


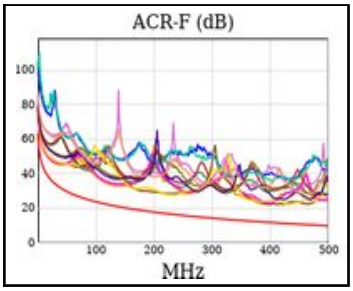
PASS

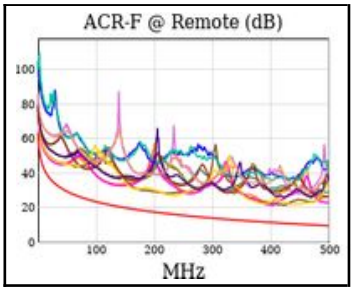


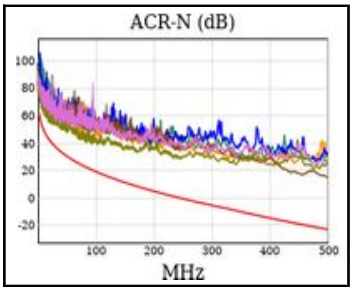


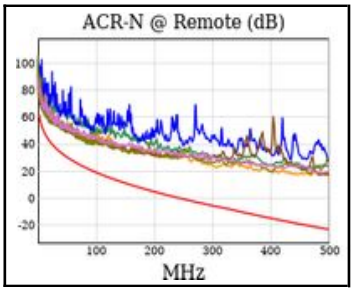


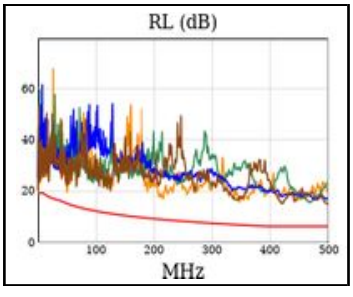


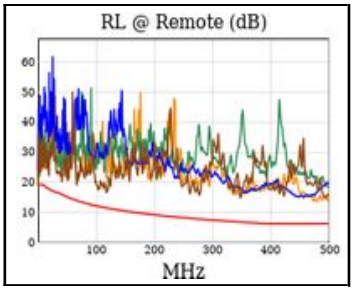












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.8	5.5	8.1	7.8
Freq. (MHz)	84.5	84.5	500.0	446.0
Limit (dB)	41.2	41.2	26.1	27.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.5	5.3	10.4	8.6
Freq. (MHz)	19.1	157.0	500.0	470.0
Limit (dB)	49.3	33.7	23.2	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	10.0	11.0	10.5
Freq. (MHz)	393.0	403.0	434.0	424.0
Limit (dB)	11.4	11.2	10.5	10.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.1	10.8	10.2
Freq. (MHz)	1.0	402.0	402.0	407.0
Limit (dB)	60.3	8.2	8.2	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.5	10.5	37.5	39.6
Freq. (MHz)	6.9	4.4	500.0	500.0
Limit (dB)	53.8	58.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	10.6	39.7	38.1
Freq. (MHz)	6.9	6.9	500.0	487.0
Limit (dB)	51.3	51.3	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.4	4.2	8.4	7.0
Freq. (MHz)	51.5	42.0	500.0	480.0
Limit (dB)	14.9	15.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-3-A

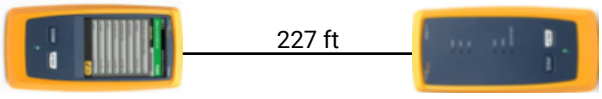
Test Summary: PASS

Date / Time: 12/10/2022 06:43:13 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

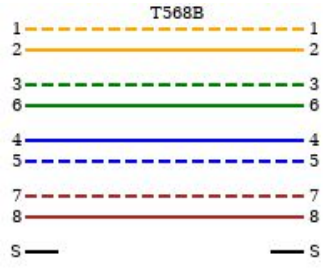
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

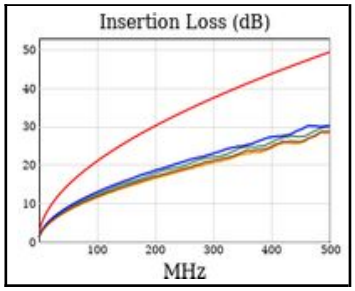
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	227
Prop. Delay (ns), Limit 555	[Pair 4,5]	360
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 4,5]	19.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

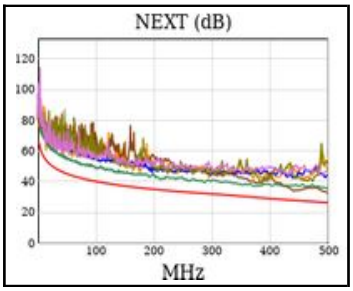


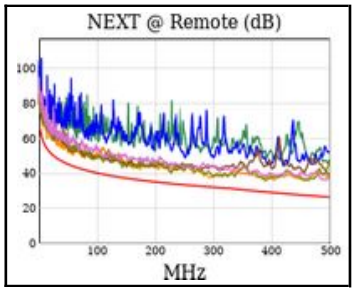
PASS



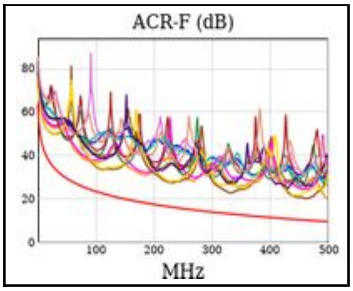


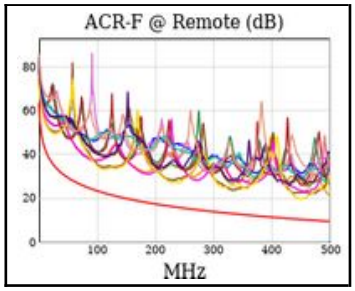
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.1	5.3	6.2	8.3
Freq. (MHz)	442.0	295.0	500.0	464.0
Limit (dB)	27.6	31.9	26.1	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	7.2	5.0	7.2	7.7
Freq. (MHz)	500.0	151.5	500.0	456.0
Limit (dB)	23.2	34.0	23.2	24.3



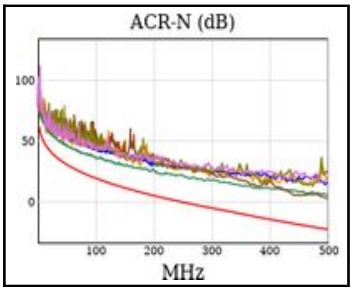


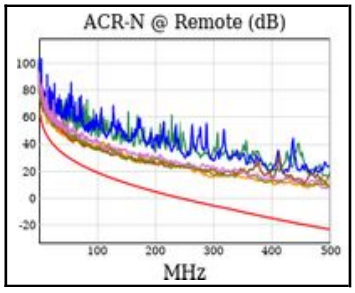
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.3	10.0	9.3
Freq. (MHz)	334.0	450.0	465.0	450.0
Limit (dB)	12.8	10.2	9.9	10.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.5	11.1	11.9	11.1
Freq. (MHz)	103.5	334.0	462.0	450.0
Limit (dB)	20.0	9.8	7.0	7.2



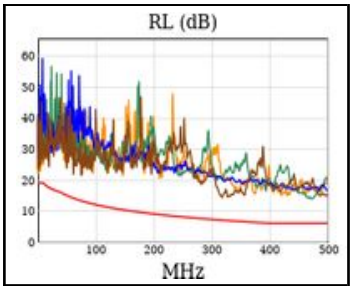


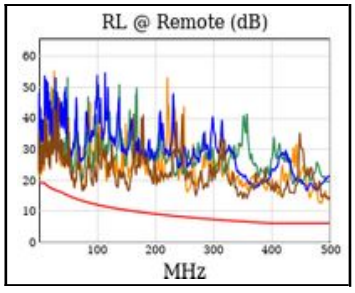
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	10.1	9.2	25.2	29.8
Freq. (MHz)	15.1	14.9	500.0	494.0
Limit (dB)	45.7	45.9	-23.2	-22.7
Worst Pair	1,2	3,6	4,5	4,5
PS ACR-N (dB)	11.9	9.2	26.2	29.9
Freq. (MHz)	15.1	6.9	500.0	499.0
Limit (dB)	43.0	51.3	-26.1	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	3,6	1,2
RL (dB)	5.8	3.3	7.8	6.4
Freq. (MHz)	9.8	75.5	472.0	487.0
Limit (dB)	19.0	13.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-3-B

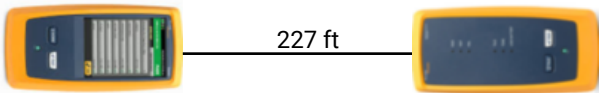
Test Summary: PASS

Date / Time: 12/10/2022 06:45:30 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

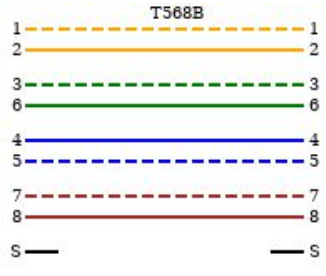
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	227
Prop. Delay (ns), Limit 555	[Pair 4,5]	359
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	18.8
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

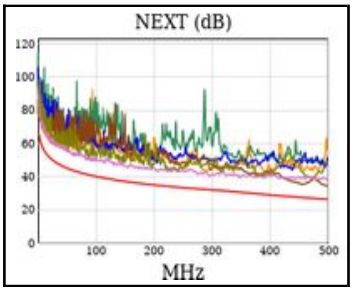


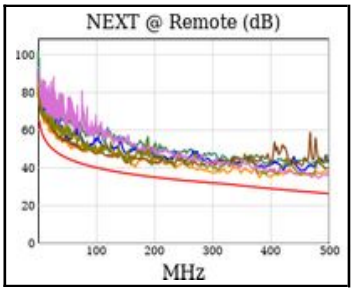
PASS



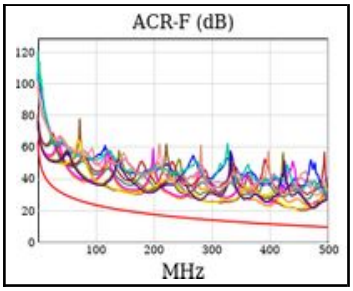


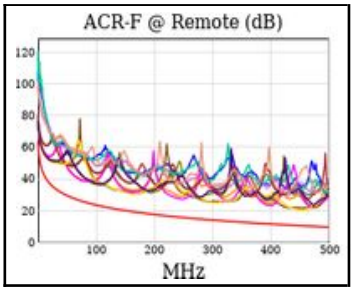
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	7.9	4.0	7.9	7.7
Freq. (MHz)	500.0	168.5	500.0	483.0
Limit (dB)	26.1	36.1	26.1	26.5
Worst Pair	7,8	3,6	4,5	7,8
PS NEXT (dB)	8.5	4.2	9.1	8.2
Freq. (MHz)	197.5	161.0	500.0	471.0
Limit (dB)	31.9	33.5	23.2	23.9



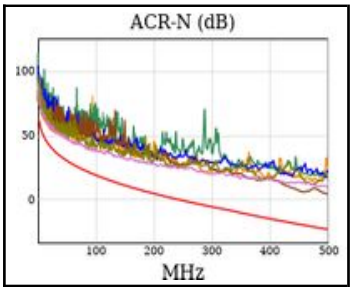


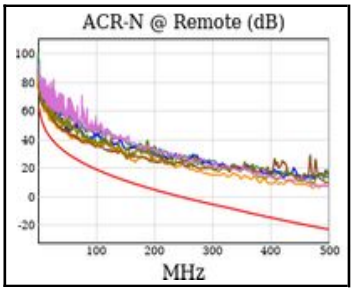
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.7	9.8	9.8
Freq. (MHz)	456.0	452.0	456.0	454.0
Limit (dB)	10.1	10.2	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	10.3	10.4
Freq. (MHz)	476.0	473.0	476.0	474.0
Limit (dB)	6.7	6.8	6.7	6.7



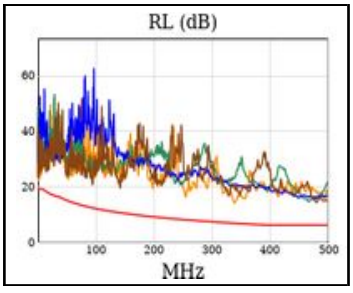


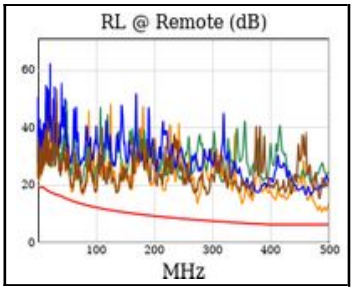
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	9.1	27.5	26.9
Freq. (MHz)	2.9	4.1	500.0	473.0
Limit (dB)	61.4	58.6	-23.2	-21.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.0	9.2	28.7	27.3
Freq. (MHz)	2.9	4.3	500.0	473.0
Limit (dB)	58.4	55.8	-26.1	-24.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.0	3.0	7.2	4.3
Freq. (MHz)	8.3	58.8	340.0	489.0
Limit (dB)	19.0	14.3	6.7	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-4-A

Test Summary: PASS

Date / Time: 12/10/2022 06:42:11 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	187
Prop. Delay (ns), Limit 555	[Pair 4,5]	290
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	21.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	4.9	9.0	5.0
Freq. (MHz)	174.5	457.0	500.0	461.0
Limit (dB)	35.8	27.2	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.0	5.6	10.6	5.9
Freq. (MHz)	3.5	219.0	500.0	458.0
Limit (dB)	61.5	31.2	23.2	24.2

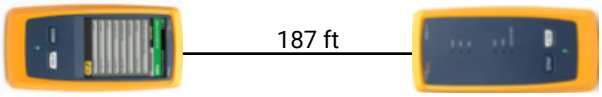
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	11.1	9.9	11.6	10.8
Freq. (MHz)	337.0	342.0	500.0	498.0
Limit (dB)	12.7	12.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.0	11.9	11.2
Freq. (MHz)	475.0	479.0	475.0	498.0
Limit (dB)	6.7	6.7	6.7	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.5	8.9	31.5	26.8
Freq. (MHz)	3.5	3.4	500.0	461.0
Limit (dB)	60.1	60.4	-23.2	-20.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.0	8.6	33.1	30.5
Freq. (MHz)	3.5	3.5	500.0	500.0
Limit (dB)	57.6	57.6	-26.1	-26.1

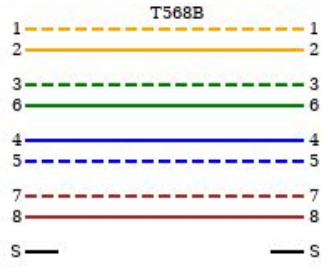
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	8.7	5.4	8.7	6.2
Freq. (MHz)	498.0	78.3	498.0	500.0
Limit (dB)	6.0	13.1	6.0	6.0

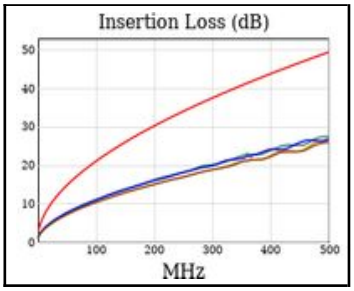
Compliant Network Standards:

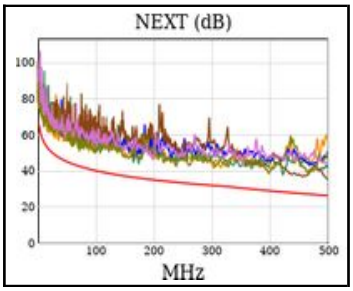
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

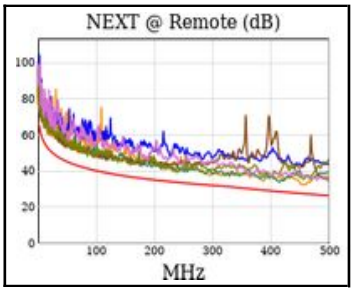


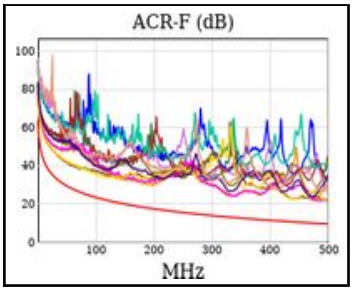
PASS

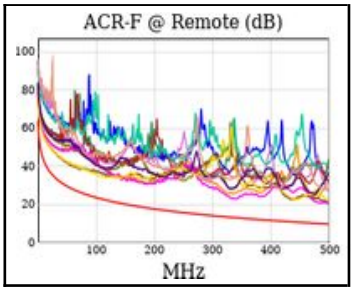


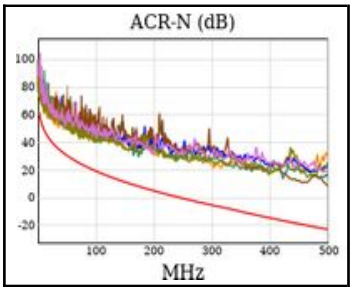


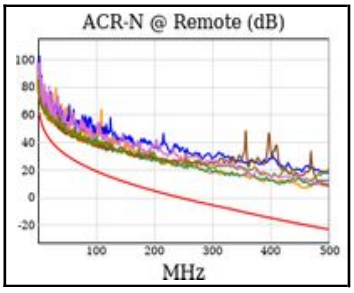


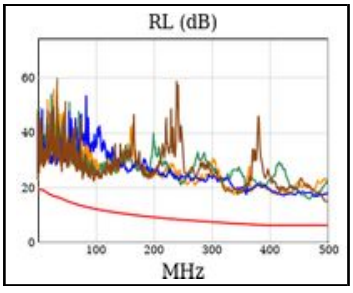


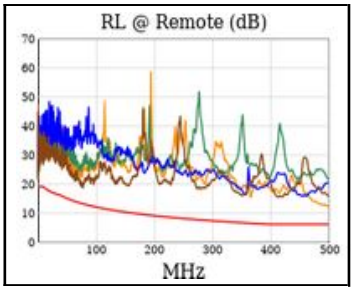












FLUKE networks

LinkWare Live

Cable ID: 105-4-B

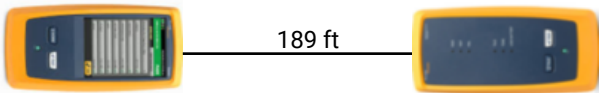
Test Summary: PASS

Date / Time: 12/10/2022 06:42:29 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

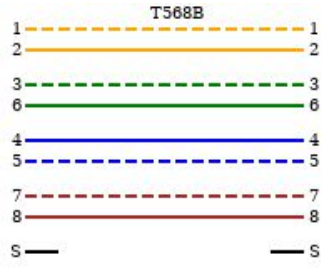
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

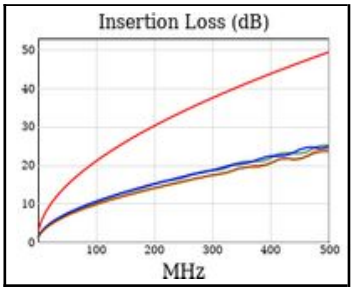
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

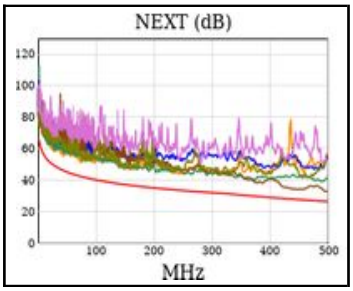
Length (ft), Limit 328	[Pair 1,2]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	296
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

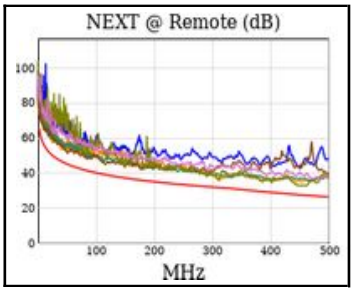


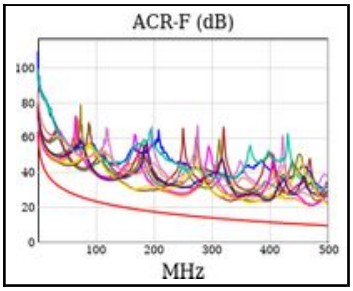
PASS

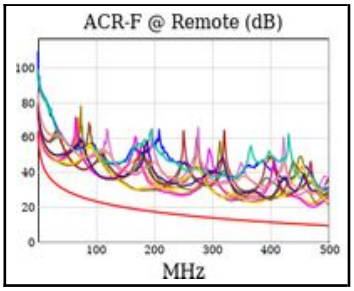


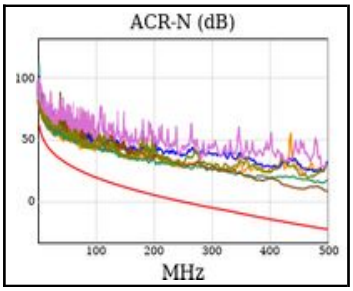


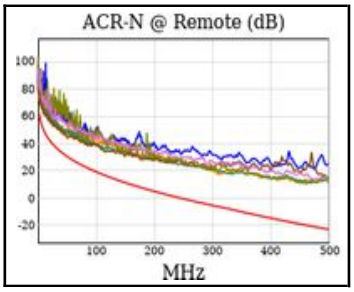


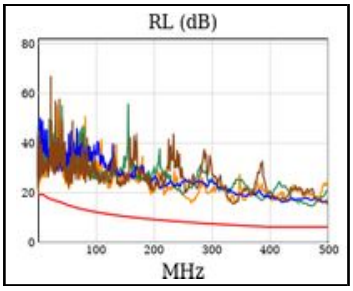


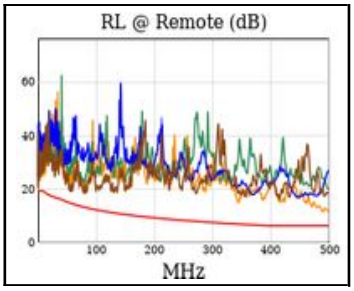












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.3	4.1	6.4	5.3
Freq. (MHz)	451.0	311.0	500.0	459.0
Limit (dB)	27.3	31.5	26.1	27.1
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	8.5	4.0	8.5	5.9
Freq. (MHz)	495.0	312.0	495.0	454.0
Limit (dB)	23.3	28.5	23.3	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.4	10.3	10.9	10.3
Freq. (MHz)	5.8	476.0	471.0	476.0
Limit (dB)	48.1	9.7	9.8	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.5	13.1	11.4
Freq. (MHz)	5.8	7.8	476.0	483.0
Limit (dB)	45.1	42.5	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.1	10.2	31.0	30.6
Freq. (MHz)	3.6	3.3	500.0	463.0
Limit (dB)	59.8	60.7	-23.2	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	10.6	33.4	31.7
Freq. (MHz)	3.6	3.4	500.0	481.0
Limit (dB)	57.3	57.9	-26.1	-24.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	3,6	1,2
RL (dB)	6.5	4.4	8.4	5.2
Freq. (MHz)	54.3	57.8	472.0	500.0
Limit (dB)	14.7	14.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-A

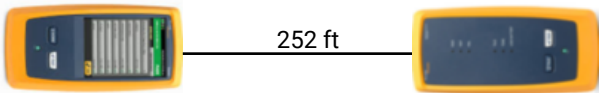
Test Summary: PASS

Date / Time: 11/27/2022 05:41:46 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

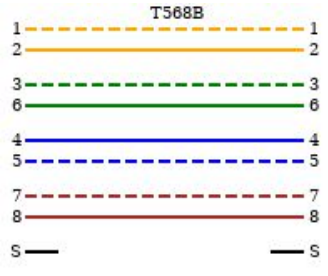
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

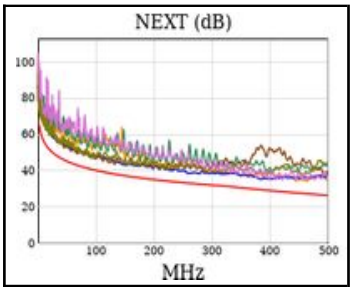
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	398
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	20.4
Insertion Loss Margin (dB)	[Pair 3,6]	15.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

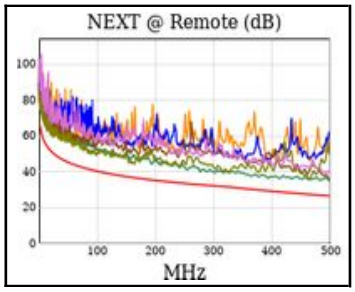


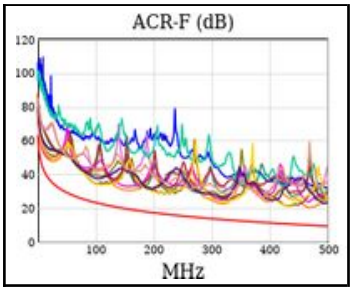
PASS

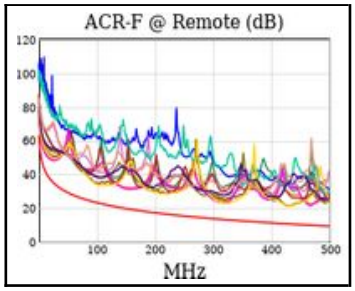


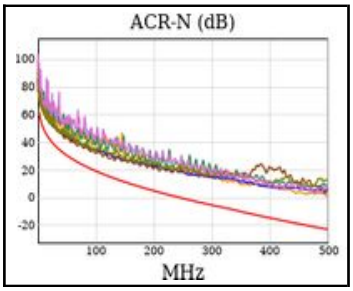


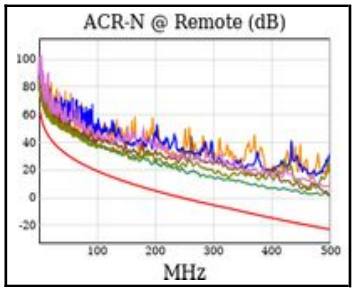


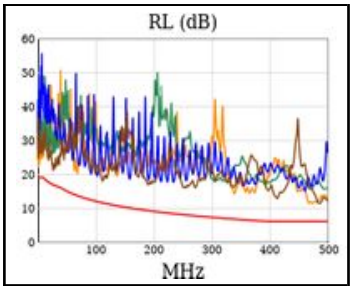


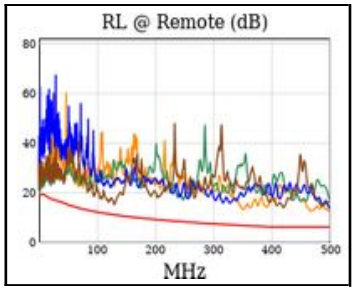












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.3	7.1	6.9	8.4
Freq. (MHz)	132.5	395.0	463.0	500.0
Limit (dB)	37.8	28.9	27.0	26.1
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	5.2	7.9	7.1	7.9
Freq. (MHz)	210.0	500.0	462.0	500.0
Limit (dB)	31.5	23.2	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	9.3	9.7	10.5	10.9
Freq. (MHz)	319.0	3.4	470.0	433.0
Limit (dB)	13.2	52.7	9.8	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.9	9.7	8.9	9.7
Freq. (MHz)	319.0	319.0	319.0	319.0
Limit (dB)	10.2	10.2	10.2	10.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.1	10.2	23.9	23.9
Freq. (MHz)	5.0	3.9	499.0	500.0
Limit (dB)	56.9	59.2	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.3	9.9	24.4	23.4
Freq. (MHz)	3.8	2.6	498.0	500.0
Limit (dB)	57.0	58.6	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	4.3	2.7	5.3	6.3
Freq. (MHz)	27.1	4.4	468.0	499.0
Limit (dB)	16.8	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 105-B

Test Summary: PASS

Date / Time: 12/17/2022 03:39:25 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	159
Prop. Delay (ns), Limit 555	[Pair 4,5]	247
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	18.7
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	3.8	4.0	3.8	6.8
Freq. (MHz)	315.0	311.0	315.0	449.0
Limit (dB)	31.4	31.5	31.4	27.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	4.8	8.6	7.0
Freq. (MHz)	6.4	304.0	485.0	450.0
Limit (dB)	57.2	28.7	23.6	24.4

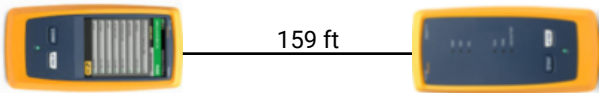
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	9.9	10.4	9.9	10.8
Freq. (MHz)	471.0	260.0	471.0	471.0
Limit (dB)	9.8	15.0	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.3	12.1	12.8
Freq. (MHz)	251.0	261.0	471.0	500.0
Limit (dB)	12.3	11.9	6.8	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	8.8	8.2	37.6	33.4
Freq. (MHz)	4.0	4.0	492.0	449.0
Limit (dB)	58.9	58.9	-22.6	-19.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	7.8	36.5	34.8
Freq. (MHz)	6.4	6.3	500.0	465.0
Limit (dB)	52.0	52.2	-26.1	-23.3

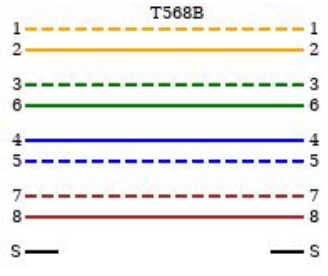
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	3,6	4,5	1,2
RL (dB)	5.2	2.3	5.2	5.9
Freq. (MHz)	492.0	11.1	492.0	494.0
Limit (dB)	6.0	18.8	6.0	6.0

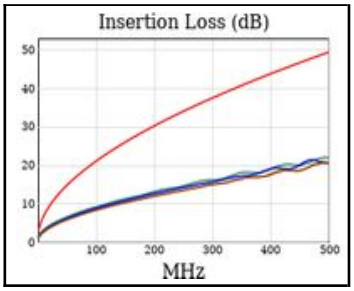
Compliant Network Standards:

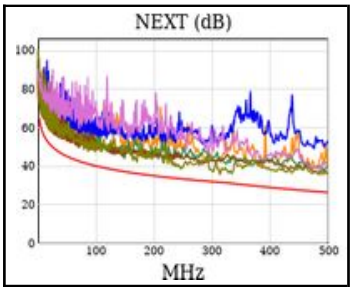
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

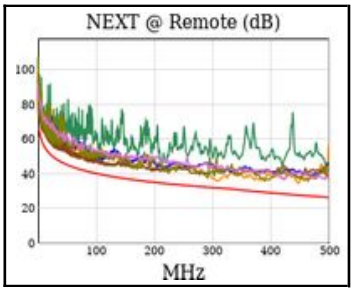


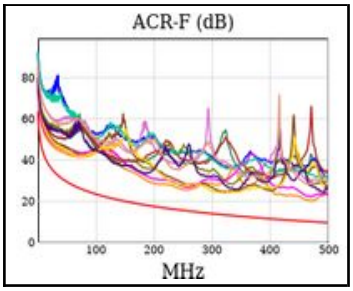
PASS

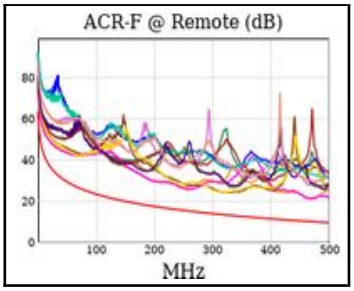


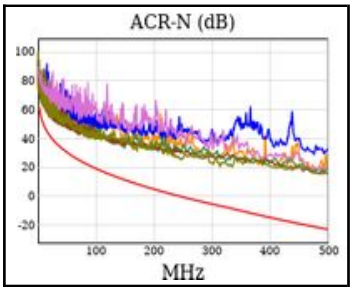


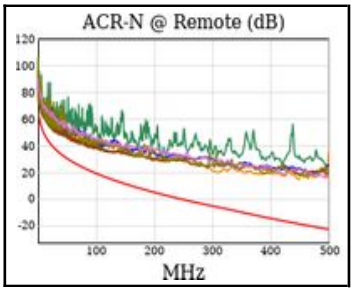


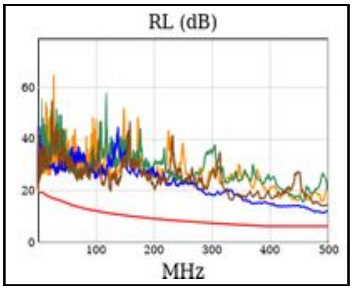


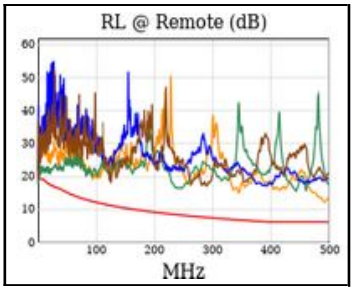












FLUKE networks

LinkWare Live

Cable ID: 105-B

Test Summary: PASS

Date / Time: 11/25/2022 01:51:57 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 3,6]	227
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	4.9	6.8	7.9
Freq. (MHz)	260.0	158.0	468.0	499.0
Limit (dB)	32.8	36.5	26.9	26.1
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	5.4	7.1	8.7	9.5
Freq. (MHz)	234.0	158.0	496.0	499.0
Limit (dB)	30.7	33.6	23.3	23.3

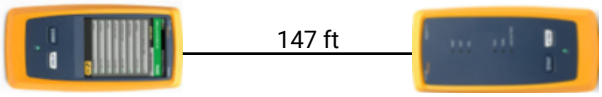
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.3	12.7	13.1
Freq. (MHz)	308.0	316.0	500.0	500.0
Limit (dB)	13.5	13.3	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.4	11.5	12.4	12.5
Freq. (MHz)	260.0	316.0	500.0	499.0
Limit (dB)	12.0	10.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	11.6	36.1	36.4
Freq. (MHz)	7.0	4.8	496.0	499.0
Limit (dB)	53.7	57.3	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.1	36.6	37.6
Freq. (MHz)	4.5	4.5	496.0	499.0
Limit (dB)	55.3	55.3	-25.8	-26.0

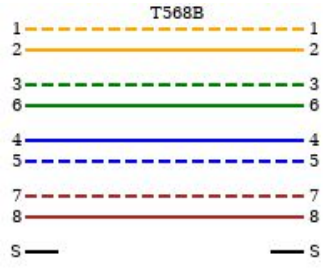
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	7.8	4.9	7.9	5.4
Freq. (MHz)	126.5	103.0	480.0	440.0
Limit (dB)	11.0	11.9	6.0	6.0

Compliant Network Standards:

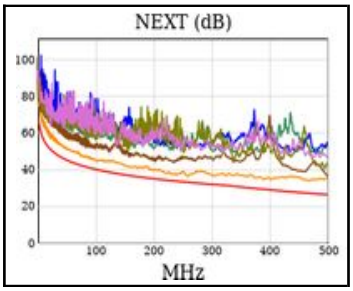
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

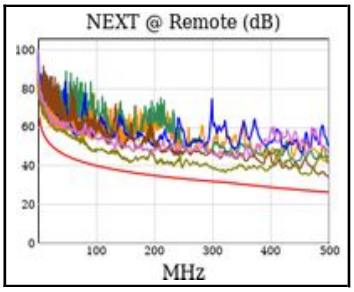


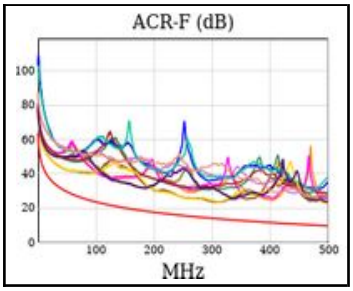
PASS

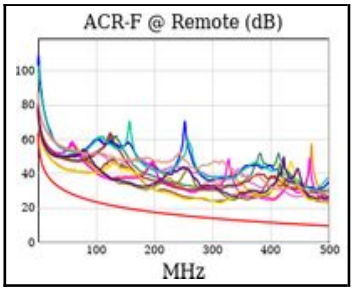


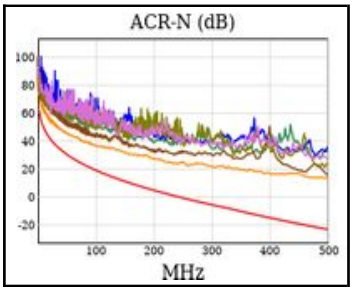


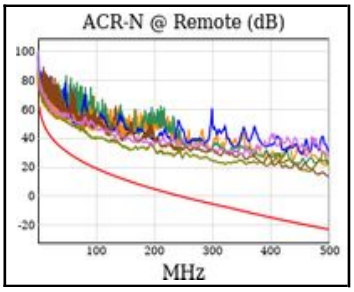


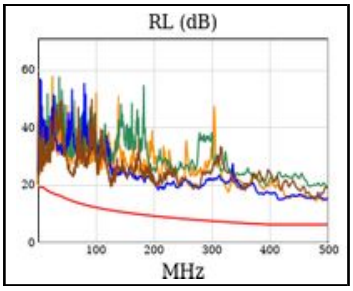


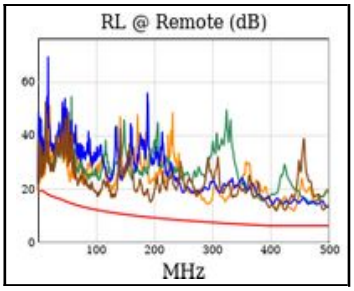












FLUKE networks

LinkWare Live

Cable ID: 105-B

Test Summary: PASS

Date / Time: 11/21/2022 05:43:28 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	191
Prop. Delay (ns), Limit 555	[Pair 4,5]	296
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.5	3.8	5.7	5.6
Freq. (MHz)	80.5	236.5	500.0	473.0
Limit (dB)	41.5	33.5	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	4.7	6.9	6.7
Freq. (MHz)	240.5	236.5	500.0	494.0
Limit (dB)	30.4	30.6	23.2	23.4

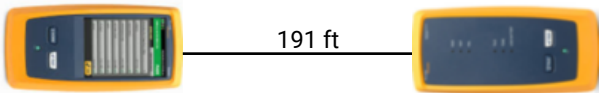
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	10.5	9.8	10.8
Freq. (MHz)	500.0	245.5	500.0	500.0
Limit (dB)	9.3	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.3	12.1	11.7
Freq. (MHz)	402.0	258.0	500.0	467.0
Limit (dB)	8.2	12.0	6.3	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.3	8.6	30.5	28.8
Freq. (MHz)	3.6	3.6	500.0	473.0
Limit (dB)	59.8	59.8	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.2	30.4	29.9
Freq. (MHz)	3.6	3.5	500.0	494.0
Limit (dB)	57.3	57.6	-26.1	-25.6

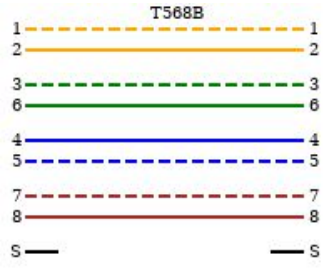
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.4	7.1	6.6	7.1
Freq. (MHz)	76.5	492.0	490.0	492.0
Limit (dB)	13.2	6.0	6.0	6.0

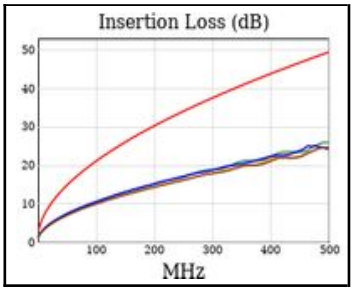
Compliant Network Standards:

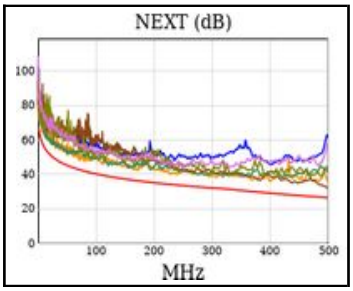
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

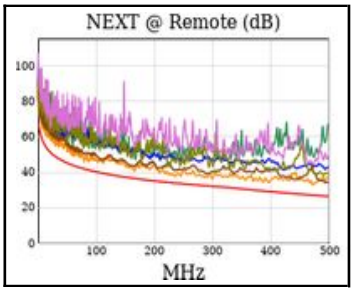


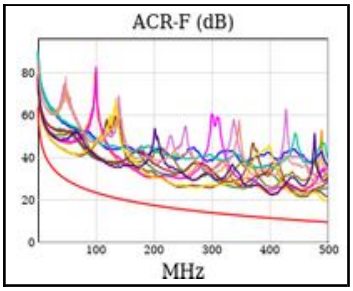
PASS

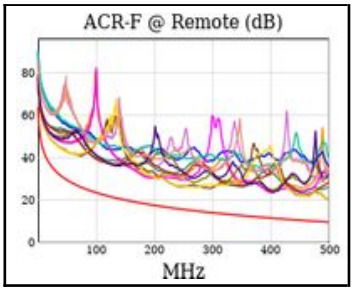


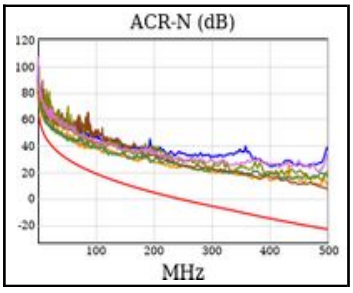


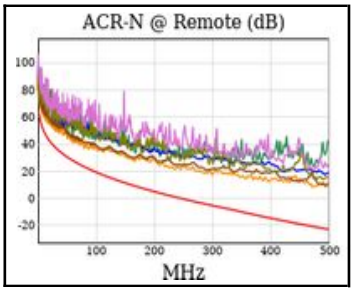


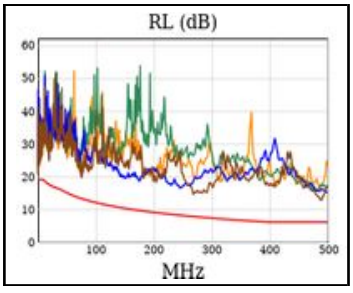


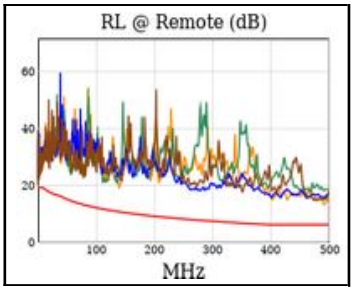












FLUKE networks

LinkWare Live

Cable ID: 105-B

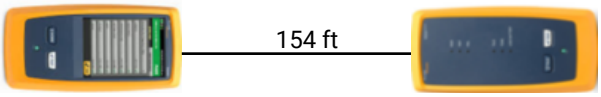
Test Summary: PASS

Date / Time: 12/10/2022 04:09:58 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

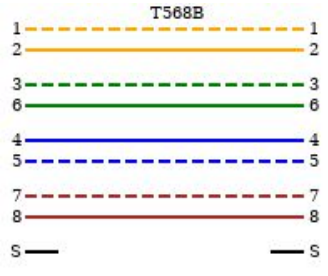
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

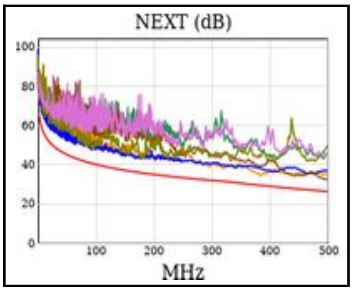
Length (ft), Limit 328	[Pair 1,2]	154
Prop. Delay (ns), Limit 555	[Pair 4,5]	244
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	7.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

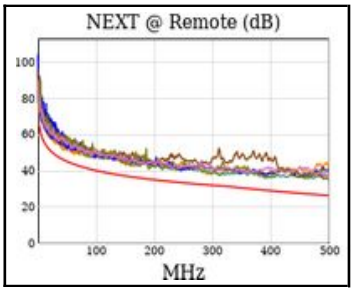


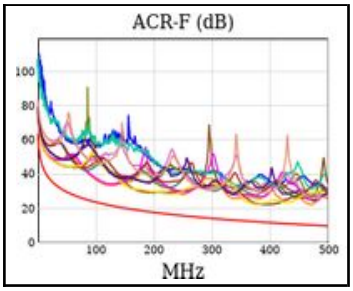
PASS

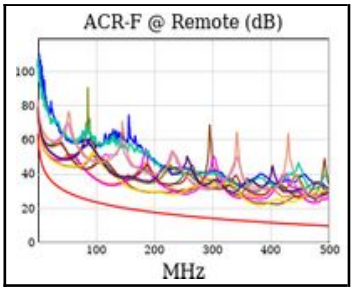


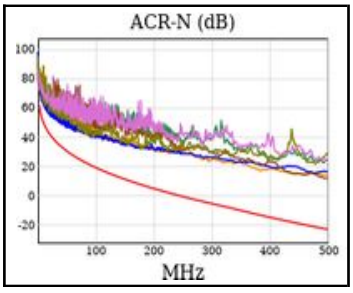


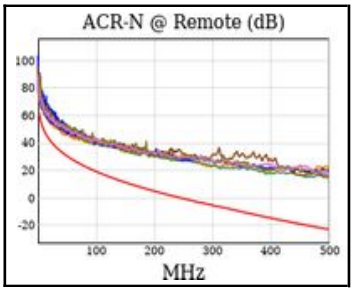


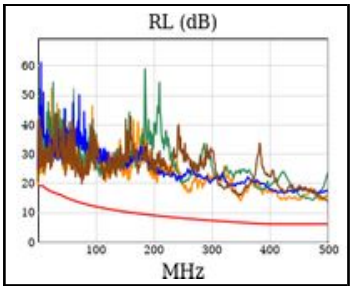


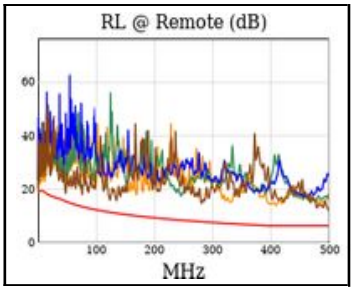












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.7	5.0	6.1	8.7
Freq. (MHz)	385.0	44.5	498.0	500.0
Limit (dB)	29.2	45.9	26.1	26.1
Worst Pair	1,2	1,2	3,6	4,5
PS NEXT (dB)	6.0	5.0	6.8	8.5
Freq. (MHz)	385.0	298.0	498.0	500.0
Limit (dB)	26.2	28.8	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.1	9.5	11.9	9.6
Freq. (MHz)	379.0	380.0	473.0	384.0
Limit (dB)	11.7	11.7	9.8	11.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	10.7	12.7	11.3
Freq. (MHz)	1.0	1.0	477.0	384.0
Limit (dB)	60.3	60.3	6.7	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.2	8.3	34.5	37.2
Freq. (MHz)	3.3	3.5	498.0	500.0
Limit (dB)	60.7	60.1	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.8	9.5	34.9	37.0
Freq. (MHz)	3.3	3.8	498.0	500.0
Limit (dB)	58.2	57.0	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.5	2.9	7.7	5.7
Freq. (MHz)	76.8	48.3	500.0	500.0
Limit (dB)	13.1	15.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-1-A

Test Summary: PASS

Date / Time: 12/18/2022 04:54:31 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 4,5]	229
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	12.2
Insertion Loss Margin (dB)	[Pair 3,6]	28.5
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.7	6.0	3.9	6.5
Freq. (MHz)	453.0	151.0	458.0	464.0
Limit (dB)	27.3	36.9	27.1	27.0
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	4.4	7.0	4.4	7.8
Freq. (MHz)	500.0	95.0	500.0	464.0
Limit (dB)	23.2	37.5	23.2	24.1

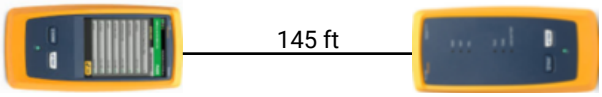
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.6	10.0	11.6	10.0
Freq. (MHz)	407.0	407.0	407.0	407.0
Limit (dB)	11.1	11.1	11.1	11.1
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	13.4	12.2	13.4	12.2
Freq. (MHz)	407.0	408.0	407.0	408.0
Limit (dB)	8.1	8.0	8.1	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	9.9	11.5	35.0	36.7
Freq. (MHz)	4.4	4.4	500.0	464.0
Limit (dB)	58.1	58.1	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.7	10.5	33.7	37.6
Freq. (MHz)	4.4	4.5	500.0	471.0
Limit (dB)	55.6	55.3	-26.1	-23.8

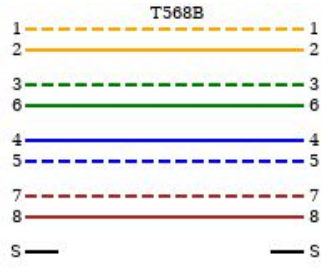
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.7	4.9	4.7	4.9
Freq. (MHz)	470.0	470.0	470.0	470.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

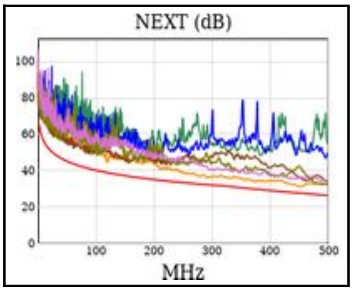
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

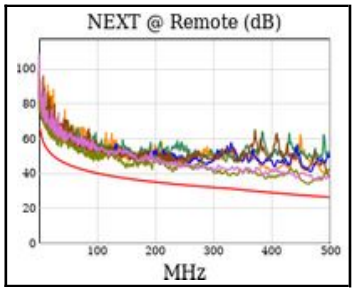


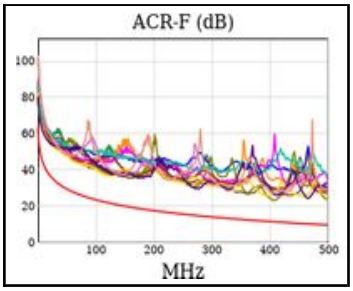
PASS

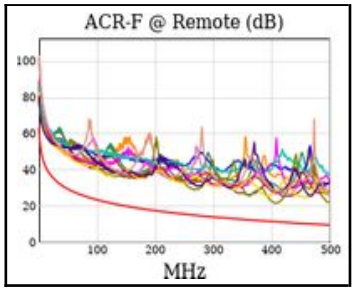


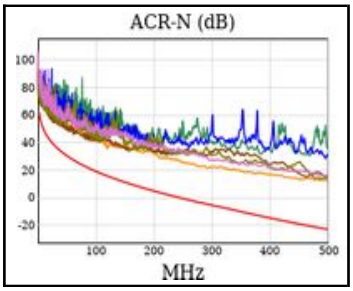


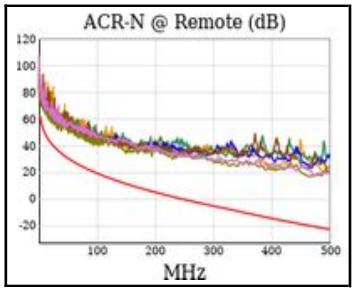


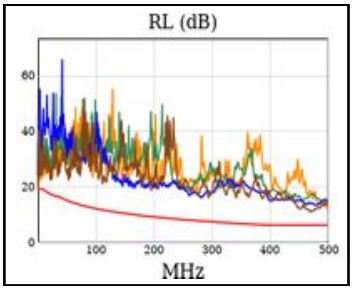


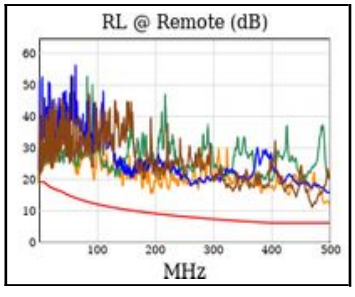












FLUKE networks

LinkWare Live

Cable ID: 106-1-B

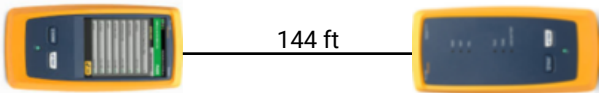
Test Summary: PASS

Date / Time: 12/18/2022 05:03:32 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

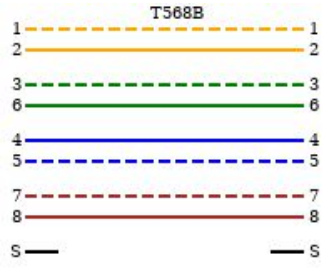
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

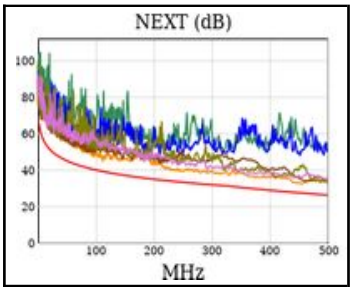
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	29.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

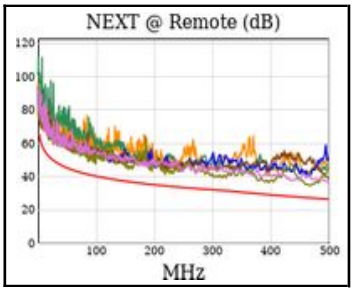


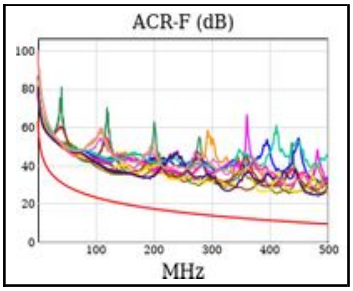
PASS

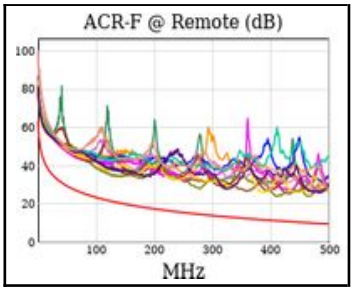


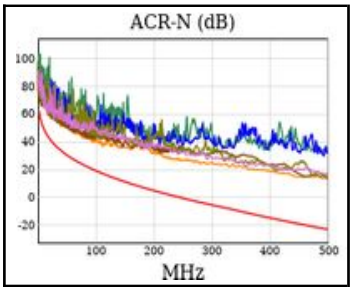


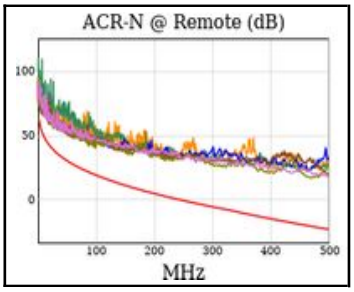


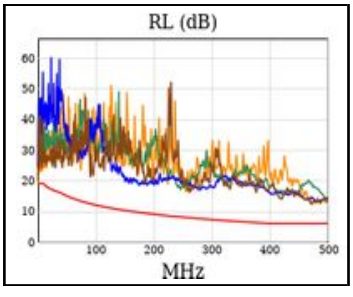


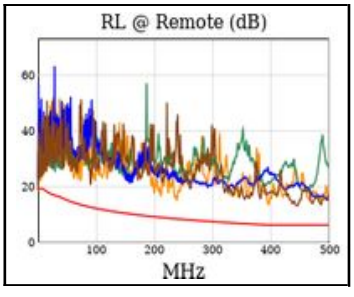












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	5.1	6.8	5.3	7.4
Freq. (MHz)	452.0	219.5	458.0	470.0
Limit (dB)	27.3	34.1	27.1	26.8
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.4	7.6	5.6	8.4
Freq. (MHz)	474.0	219.0	496.0	470.0
Limit (dB)	23.8	31.2	23.3	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	13.6	12.7	14.3	12.7
Freq. (MHz)	326.0	414.0	484.0	414.0
Limit (dB)	13.0	10.9	9.6	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.6	13.5	14.6	13.5
Freq. (MHz)	484.0	435.0	484.0	435.0
Limit (dB)	6.6	7.5	6.6	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	10.3	11.1	36.4	37.4
Freq. (MHz)	4.3	4.5	500.0	470.0
Limit (dB)	58.3	57.8	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.3	11.1	34.6	40.5
Freq. (MHz)	4.5	4.6	496.0	500.0
Limit (dB)	55.3	55.1	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	6.1	6.6	6.1	6.9
Freq. (MHz)	473.0	239.5	473.0	446.0
Limit (dB)	6.0	8.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-2-A

Test Summary: PASS

Date / Time: 12/18/2022 04:50:49 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	106
Prop. Delay (ns), Limit 555	[Pair 4,5]	168
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	33.1
Frequency (MHz)	[Pair 3,6]	484.0
Limit (dB)	[Pair 3,6]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.3	5.1	4.9	5.3
Freq. (MHz)	302.0	193.5	491.0	464.0
Limit (dB)	31.7	35.0	26.3	27.0
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	5.1	6.2	5.1	6.2
Freq. (MHz)	491.0	464.0	491.0	464.0
Limit (dB)	23.4	24.1	23.4	24.1

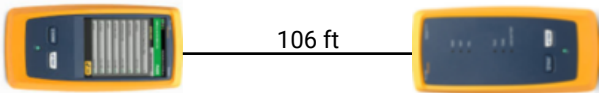
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.2	11.6	12.2	11.6
Freq. (MHz)	490.0	490.0	490.0	490.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	13.7	13.2	13.7	13.2
Freq. (MHz)	490.0	490.0	490.0	490.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	10.1	10.1	39.4	40.0
Freq. (MHz)	3.0	3.1	491.0	464.0
Limit (dB)	61.4	61.1	-22.5	-20.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.6	10.9	38.7	42.7
Freq. (MHz)	3.0	3.1	491.0	497.0
Limit (dB)	58.4	58.3	-25.4	-25.8

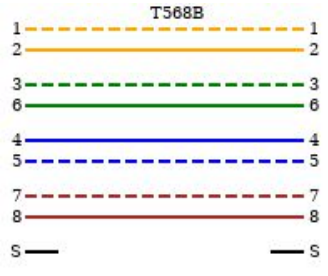
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	5.1	5.8	5.7	6.0
Freq. (MHz)	53.8	207.0	489.0	469.0
Limit (dB)	14.7	8.8	6.0	6.0

Compliant Network Standards:

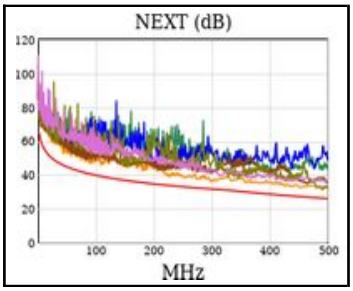
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

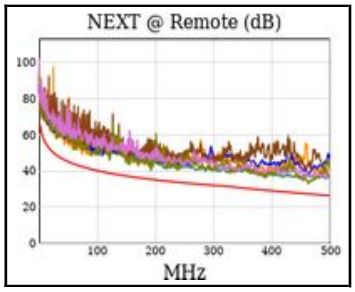


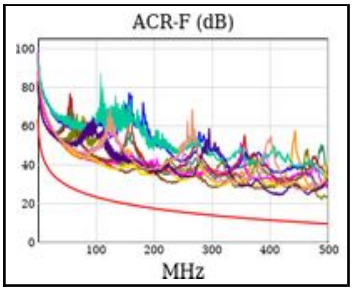
PASS

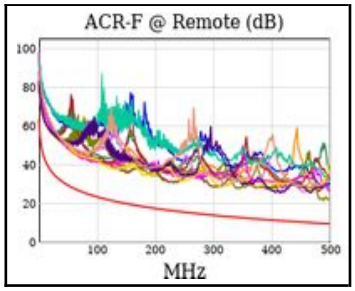


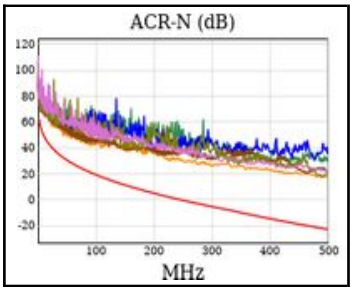


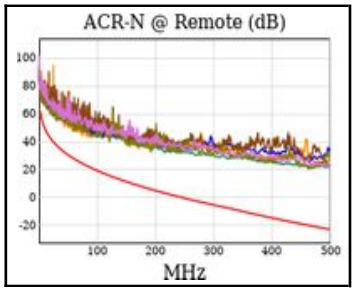


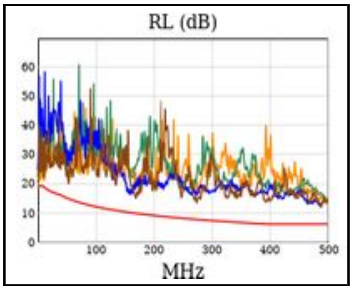


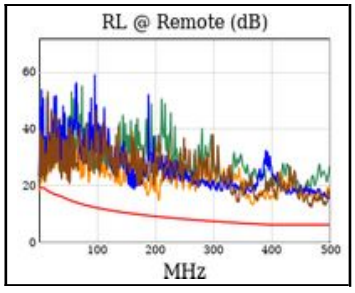












FLUKE networks

LinkWare Live

Cable ID: 106-2-B

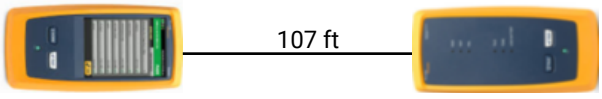
Test Summary: PASS

Date / Time: 12/18/2022 04:51:10 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

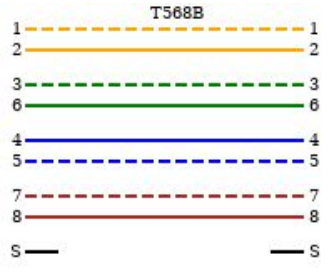
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

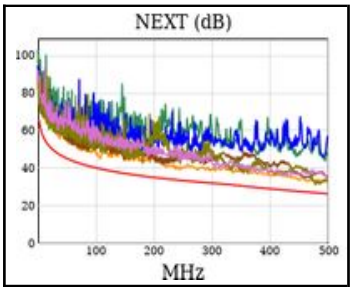
Length (ft), Limit 328	[Pair 1,2]	107
Prop. Delay (ns), Limit 555	[Pair 4,5]	169
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	33.7
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

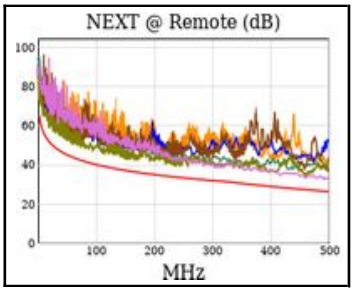


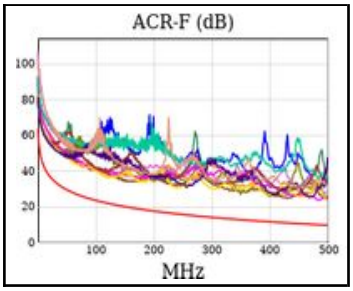
PASS

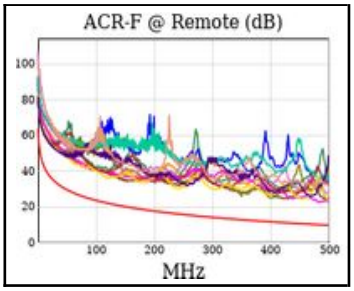


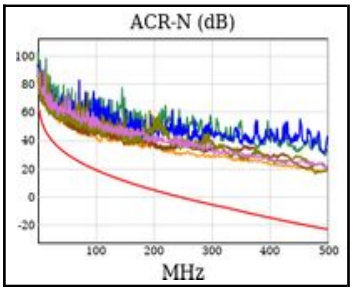


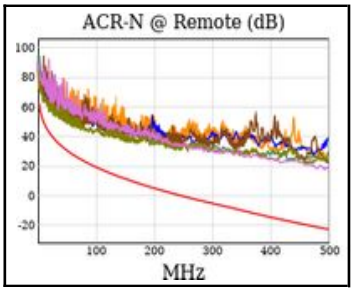


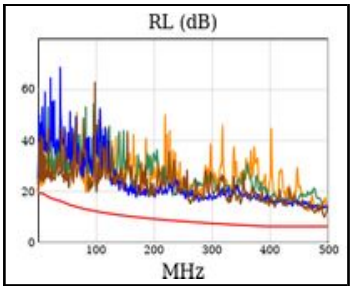


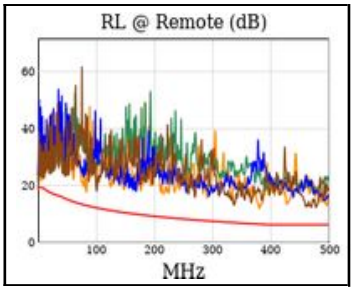












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	4,5-7,8
NEXT (dB)	3.9	5.4	3.9	5.9
Freq. (MHz)	479.0	238.0	479.0	495.0
Limit (dB)	26.6	33.5	26.6	26.2
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	4.3	6.1	4.3	7.0
Freq. (MHz)	479.0	460.0	479.0	498.0
Limit (dB)	23.7	24.2	23.7	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	13.6	12.6	13.8	12.6
Freq. (MHz)	484.0	484.0	500.0	484.0
Limit (dB)	9.6	9.6	9.3	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.6	12.5	14.3	12.5
Freq. (MHz)	405.0	499.0	464.0	499.0
Limit (dB)	8.1	6.3	6.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	4,5-7,8
ACR-N (dB)	10.3	10.9	37.2	39.7
Freq. (MHz)	3.0	3.1	479.0	495.0
Limit (dB)	61.4	61.1	-21.6	-22.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.2	9.4	37.4	41.5
Freq. (MHz)	3.0	3.3	479.0	498.0
Limit (dB)	58.4	58.2	-24.4	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.4	4.7	3.4	5.3
Freq. (MHz)	495.0	84.0	495.0	381.0
Limit (dB)	6.0	12.8	6.0	6.2

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-3-A

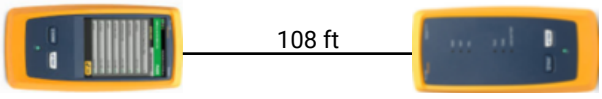
Test Summary: PASS

Date / Time: 12/18/2022 04:45:11 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

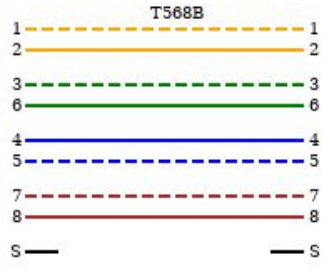
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	108
Prop. Delay (ns), Limit 555	[Pair 4,5]	171
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	33.6
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

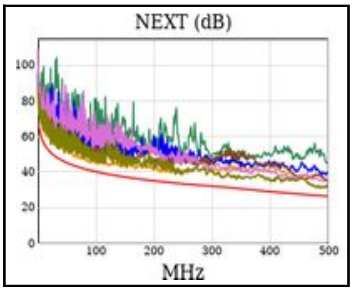


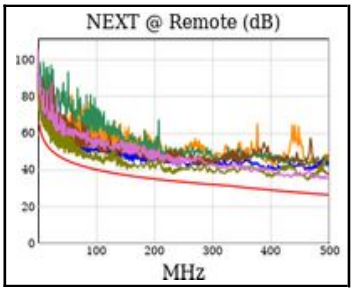
PASS



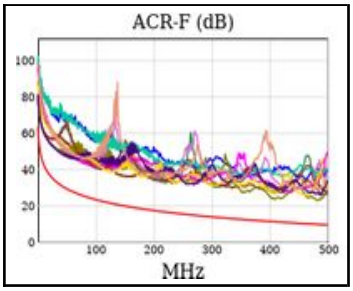


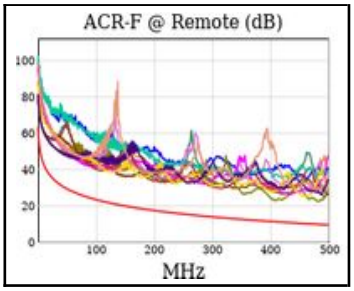
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.0	3.5	4.1	6.9
Freq. (MHz)	483.0	154.0	490.0	465.0
Limit (dB)	26.5	36.7	26.3	27.0
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.1	4.8	4.9	8.2
Freq. (MHz)	104.0	233.5	500.0	465.0
Limit (dB)	36.8	30.7	23.2	24.1



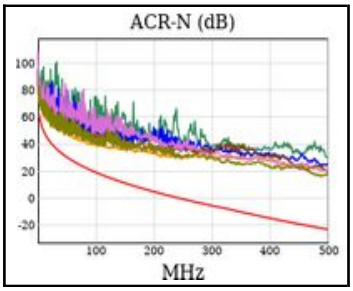


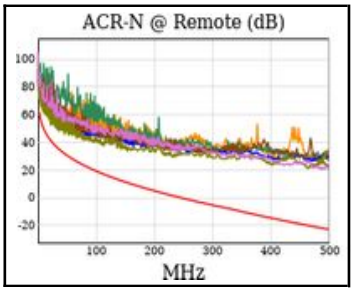
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.3	11.6	12.9	12.3
Freq. (MHz)	405.0	409.0	482.0	482.0
Limit (dB)	11.1	11.0	9.6	9.6
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-F (dB)	14.8	12.6	15.7	12.6
Freq. (MHz)	412.0	420.0	482.0	420.0
Limit (dB)	8.0	7.8	6.6	7.8



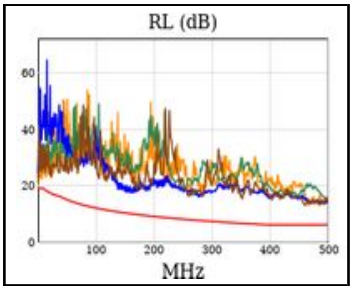


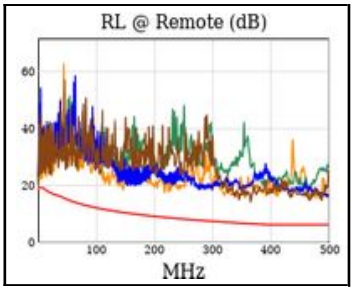
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	4,5-7,8
ACR-N (dB)	9.4	9.8	38.2	41.9
Freq. (MHz)	3.0	3.0	490.0	486.0
Limit (dB)	61.4	61.4	-22.4	-22.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.1	8.1	39.1	43.7
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.7	7.5	6.7	7.5
Freq. (MHz)	495.0	367.0	495.0	367.0
Limit (dB)	6.0	6.4	6.0	6.4





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-3-B

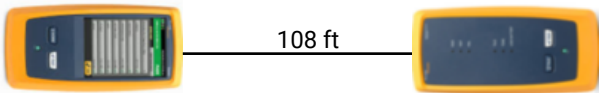
Test Summary: PASS

Date / Time: 12/18/2022 04:46:34 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

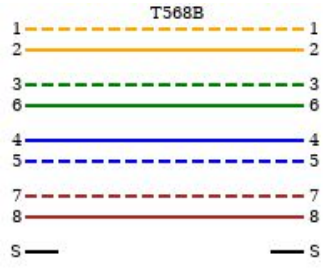
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

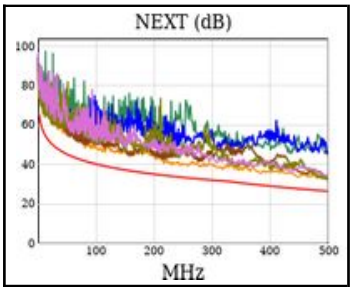
Length (ft), Limit 328	[Pair 1,2]	108
Prop. Delay (ns), Limit 555	[Pair 4,5]	171
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	33.6
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

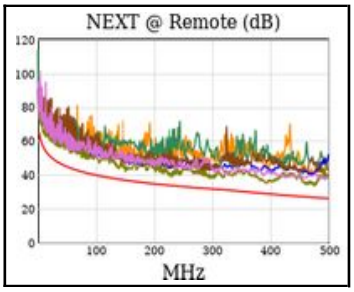


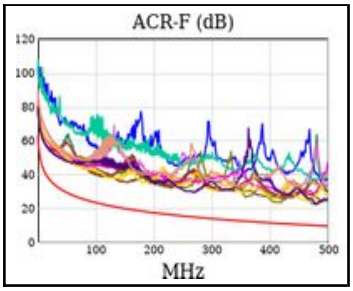
PASS

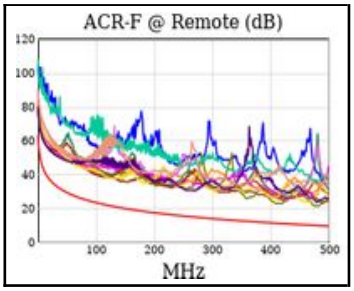


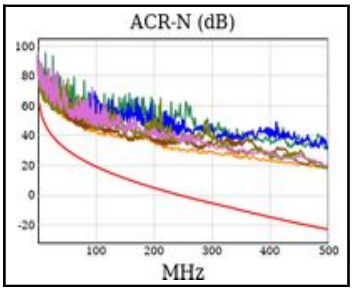


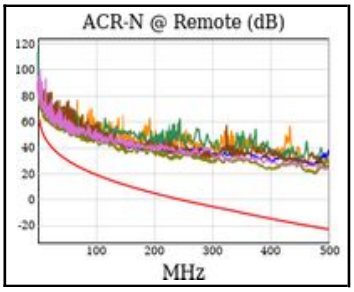


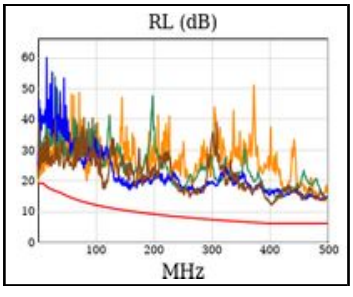


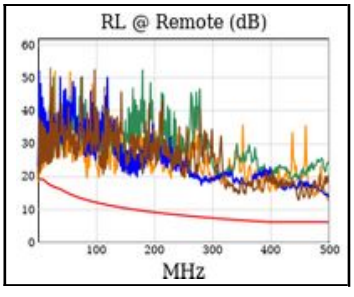












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.3	5.0	5.3	6.3
Freq. (MHz)	498.0	230.5	498.0	476.0
Limit (dB)	26.1	33.7	26.1	26.7
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.4	6.5	4.4	8.0
Freq. (MHz)	498.0	231.0	498.0	476.0
Limit (dB)	23.3	30.8	23.3	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.2	11.3	12.4	11.4
Freq. (MHz)	410.0	477.0	483.0	483.0
Limit (dB)	11.0	9.7	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.6	11.6	13.6	12.3
Freq. (MHz)	479.0	421.0	479.0	483.0
Limit (dB)	6.7	7.8	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	10.6	10.7	40.1	40.2
Freq. (MHz)	2.9	3.1	498.0	476.0
Limit (dB)	61.4	61.1	-23.1	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.2	38.2	41.3
Freq. (MHz)	3.3	3.3	498.0	476.0
Limit (dB)	58.2	58.2	-25.9	-24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.6	6.4	5.9	6.4
Freq. (MHz)	113.5	499.0	402.0	499.0
Limit (dB)	11.5	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-4-A

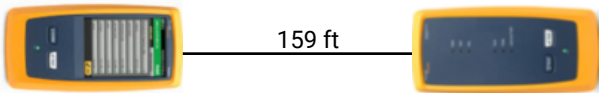
Test Summary: PASS

Date / Time: 12/18/2022 04:16:32 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

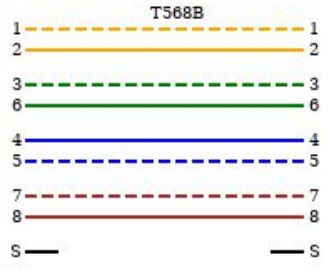
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	159
Prop. Delay (ns), Limit 555	[Pair 4,5]	252
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

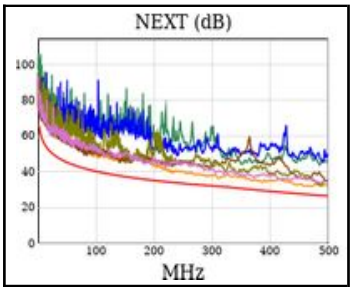


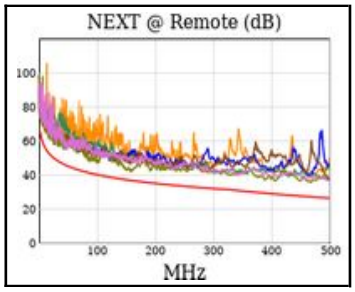
PASS



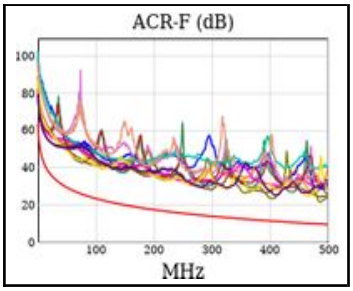


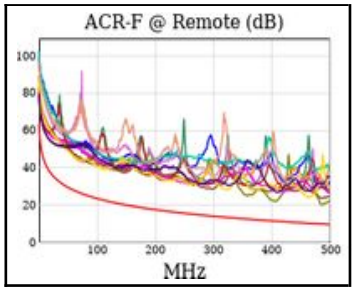
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.3	4.9	4.6	8.3
Freq. (MHz)	312.0	158.5	473.0	468.0
Limit (dB)	31.5	36.5	26.8	26.9
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.9	6.2	4.9	9.0
Freq. (MHz)	490.0	159.0	490.0	498.0
Limit (dB)	23.5	33.6	23.5	23.3



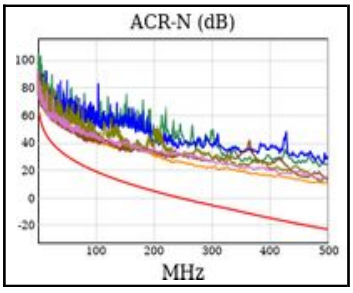


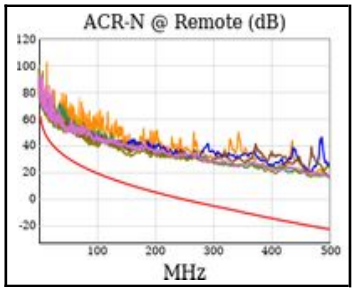
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.9	10.3	11.9	10.3
Freq. (MHz)	489.0	489.0	489.0	489.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	13.6	11.4	13.6	11.4
Freq. (MHz)	486.0	489.0	486.0	489.0
Limit (dB)	6.5	6.5	6.5	6.5



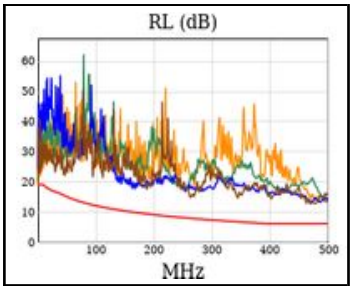


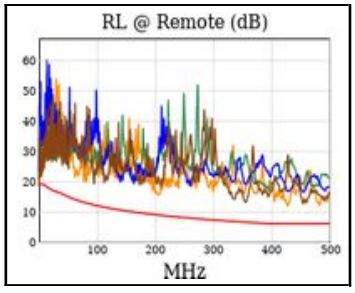
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	10.8	33.3	38.9
Freq. (MHz)	3.8	4.0	496.0	500.0
Limit (dB)	59.5	58.9	-22.9	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.6	9.7	32.1	37.0
Freq. (MHz)	4.0	4.0	490.0	498.0
Limit (dB)	56.4	56.4	-25.3	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.4	5.9	6.4	5.9
Freq. (MHz)	470.0	428.0	470.0	428.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-4-B

Test Summary: PASS

Date / Time: 12/18/2022 04:21:25 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	252
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	26.9
Frequency (MHz)	[Pair 3,6]	487.0
Limit (dB)	[Pair 3,6]	48.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.8	5.9	5.1	7.8
Freq. (MHz)	450.0	321.0	492.0	458.0
Limit (dB)	27.3	31.2	26.3	27.1
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.3	7.4	5.4	8.4
Freq. (MHz)	499.0	225.0	500.0	460.0
Limit (dB)	23.3	31.0	23.2	24.2

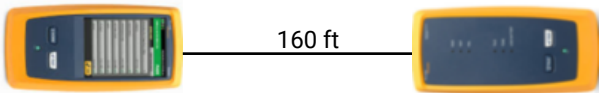
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.5	10.7	11.5	10.7
Freq. (MHz)	477.0	477.0	477.0	477.0
Limit (dB)	9.7	9.7	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.6	12.2	13.8	12.3
Freq. (MHz)	336.0	479.0	487.0	481.0
Limit (dB)	9.7	6.7	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	4,5-7,8
ACR-N (dB)	9.7	11.2	33.2	38.4
Freq. (MHz)	3.8	3.9	492.0	500.0
Limit (dB)	59.5	59.2	-22.6	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	10.2	32.6	38.7
Freq. (MHz)	4.0	4.0	492.0	500.0
Limit (dB)	56.4	56.4	-25.5	-26.1

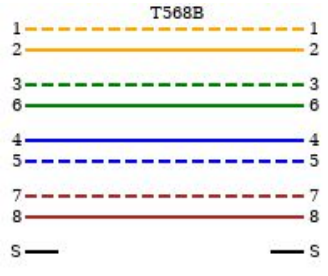
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	5.4	5.5	6.1	5.6
Freq. (MHz)	22.1	73.0	496.0	496.0
Limit (dB)	17.3	13.4	6.0	6.0

Compliant Network Standards:

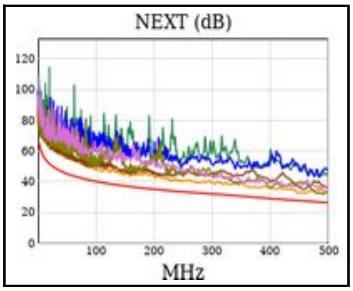
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

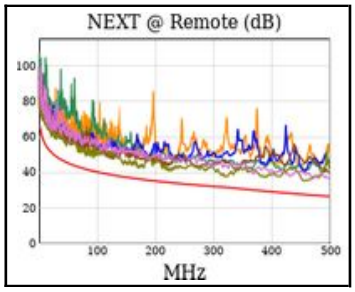


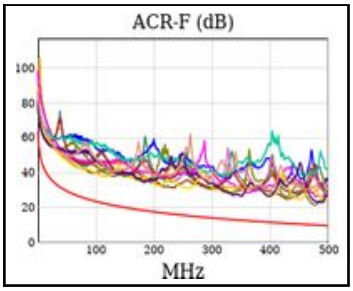
PASS

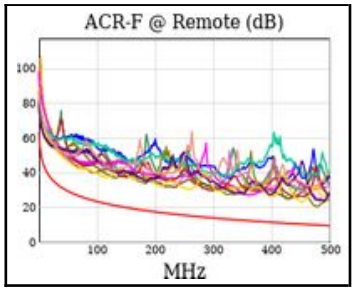


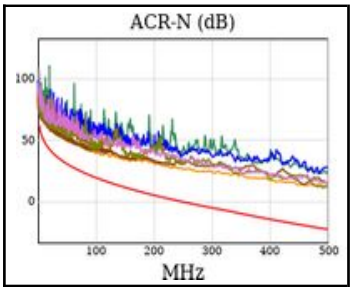


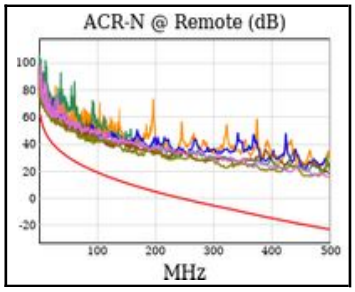


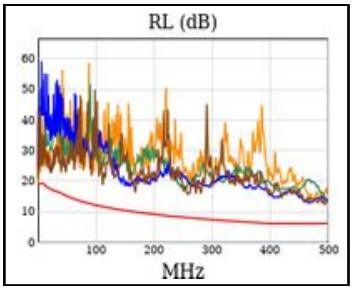


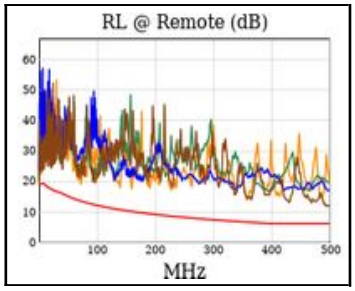












FLUKE networks

LinkWare Live

Cable ID: 106-5-A

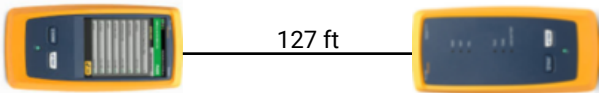
Test Summary: PASS

Date / Time: 12/18/2022 04:26:57 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

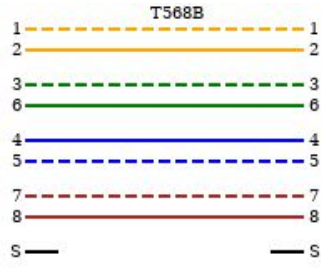
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	201
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9



PASS

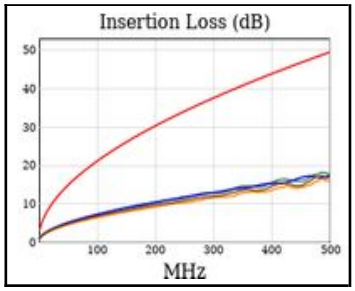


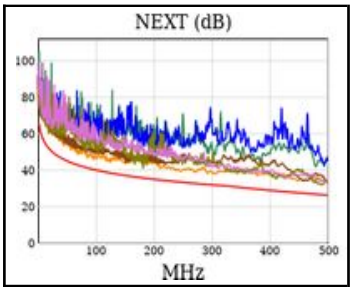
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.2	5.3	5.2	8.7
Freq. (MHz)	490.0	184.0	490.0	459.0
Limit (dB)	26.3	35.4	26.3	27.1
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	5.1	7.1	5.3	9.3
Freq. (MHz)	490.0	183.5	499.0	468.0
Limit (dB)	23.5	32.5	23.3	24.0

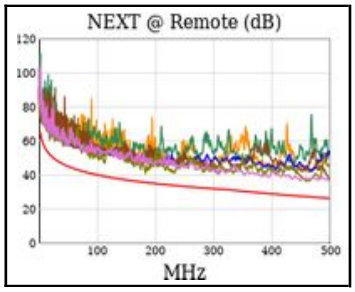
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	12.3	12.3	13.3	13.8
Freq. (MHz)	409.0	412.0	471.0	500.0
Limit (dB)	11.0	11.0	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.5	13.2	13.9	13.2
Freq. (MHz)	409.0	500.0	471.0	500.0
Limit (dB)	8.0	6.3	6.8	6.3

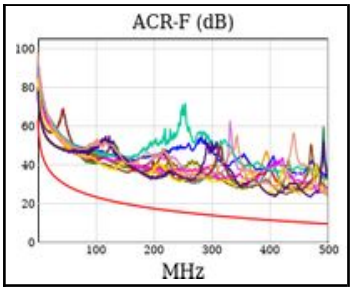
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	4,5-7,8
ACR-N (dB)	10.9	11.3	36.8	41.3
Freq. (MHz)	4.8	2.6	490.0	480.0
Limit (dB)	57.3	61.6	-22.4	-21.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.5	11.7	35.9	42.9
Freq. (MHz)	5.1	5.1	490.0	500.0
Limit (dB)	54.1	54.1	-25.3	-26.1

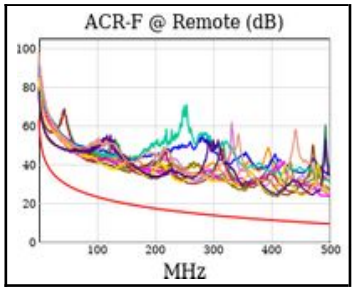
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	4.8	5.1	6.1
Freq. (MHz)	487.0	90.0	487.0	498.0
Limit (dB)	6.0	12.5	6.0	6.0

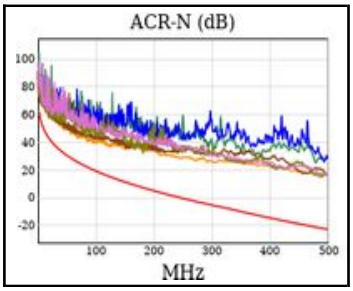


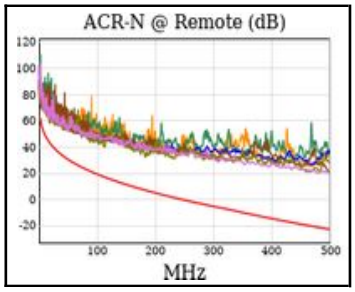


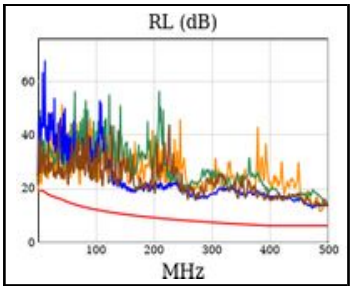


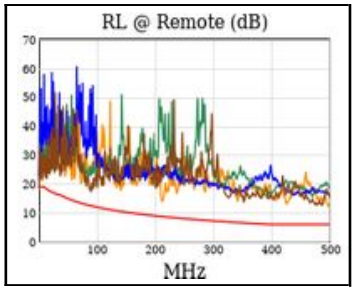












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-5-B

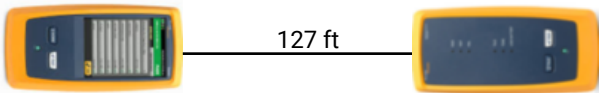
Test Summary: PASS

Date / Time: 12/18/2022 04:26:20 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

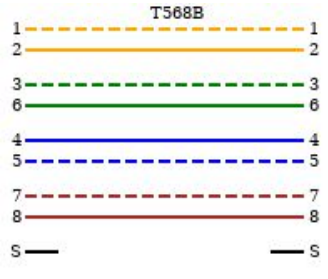
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	201
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	30.8
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7



PASS



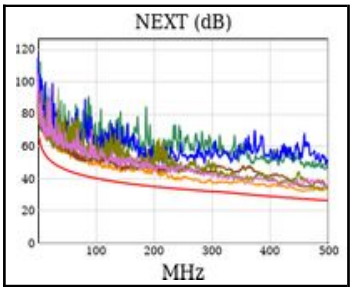
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.4	7.7	4.4	8.2
Freq. (MHz)	457.0	281.0	457.0	464.0
Limit (dB)	27.2	32.2	27.2	27.0
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	5.1	8.9	5.6	9.7
Freq. (MHz)	475.0	315.0	500.0	492.0
Limit (dB)	23.8	28.4	23.2	23.4

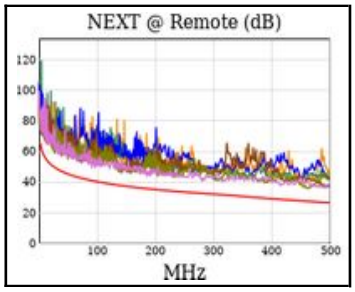
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.4	11.9	12.4	12.0
Freq. (MHz)	484.0	484.0	484.0	485.0
Limit (dB)	9.6	9.6	9.6	9.5
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-F (dB)	14.5	13.3	14.8	14.3
Freq. (MHz)	393.0	429.0	484.0	484.0
Limit (dB)	8.4	7.6	6.6	6.6

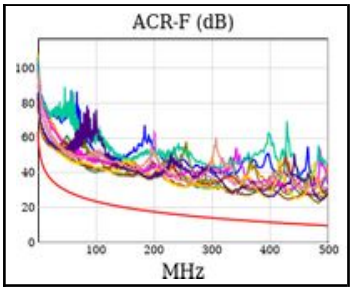
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.7	11.0	37.1	42.1
Freq. (MHz)	2.6	2.8	493.0	500.0
Limit (dB)	61.6	61.5	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.1	12.1	36.5	41.7
Freq. (MHz)	2.6	2.5	489.0	492.0
Limit (dB)	58.6	58.7	-25.2	-25.5

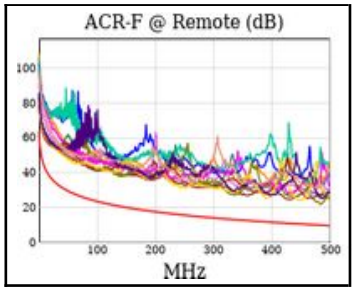
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.1	4.7	5.9	5.2
Freq. (MHz)	270.0	103.0	498.0	481.0
Limit (dB)	7.7	11.9	6.0	6.0

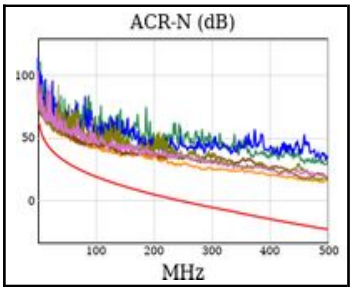


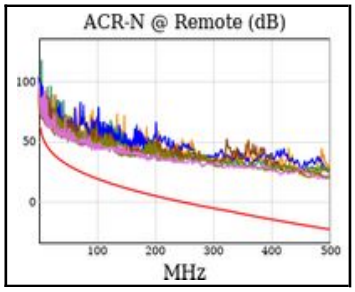


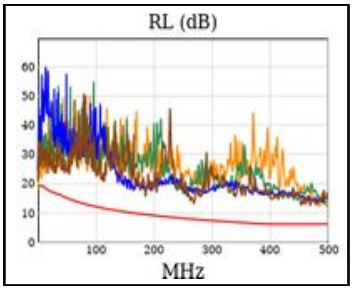


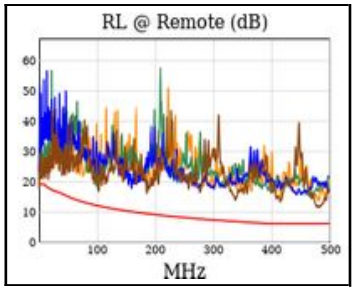












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-6-A

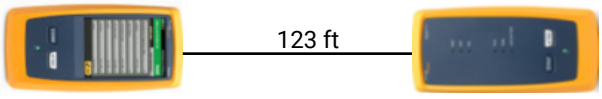
Test Summary: PASS

Date / Time: 12/18/2022 04:40:27 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

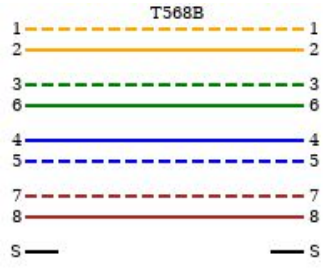
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	196
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0



PASS



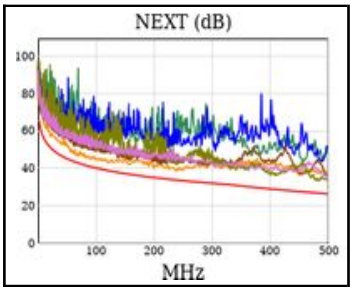
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.9	3.9	6.2	5.8
Freq. (MHz)	71.8	167.5	481.0	467.0
Limit (dB)	42.4	36.1	26.6	26.9
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	5.3	5.7	7.2	7.2
Freq. (MHz)	84.3	167.5	500.0	467.0
Limit (dB)	38.4	33.2	23.2	24.0

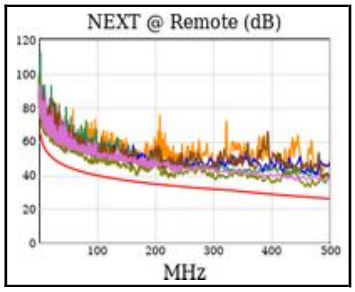
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	9.3	8.6	9.3	8.6
Freq. (MHz)	484.0	484.0	484.0	484.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	12.0	10.5	12.0	10.5
Freq. (MHz)	484.0	484.0	484.0	484.0
Limit (dB)	6.6	6.6	6.6	6.6

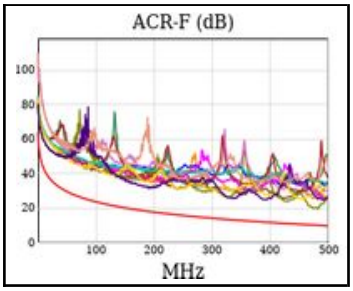
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	11.0	10.6	37.9	38.0
Freq. (MHz)	2.8	5.5	481.0	467.0
Limit (dB)	61.5	56.0	-21.7	-20.6
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.8	10.0	39.4	39.4
Freq. (MHz)	2.8	2.8	500.0	467.0
Limit (dB)	58.5	58.5	-26.1	-23.5

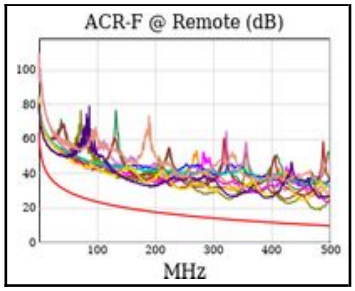
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.5	5.9	4.5	6.2
Freq. (MHz)	482.0	82.5	482.0	488.0
Limit (dB)	6.0	12.8	6.0	6.0

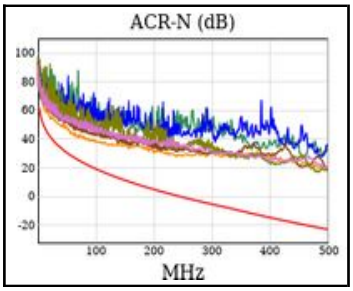


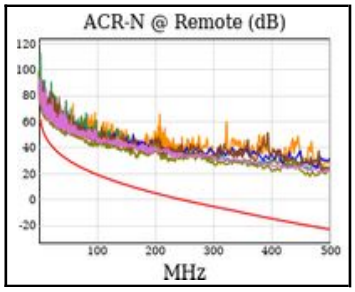


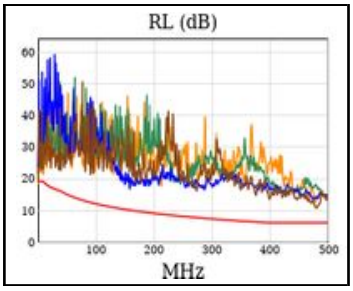


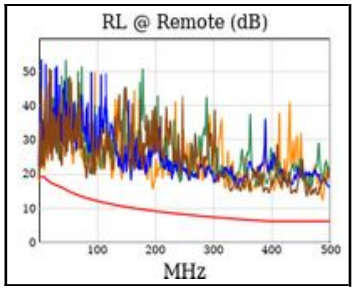












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-6-B

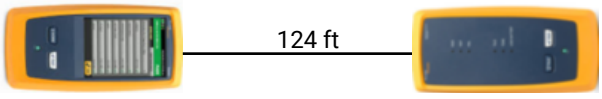
Test Summary: PASS

Date / Time: 12/18/2022 04:41:35 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

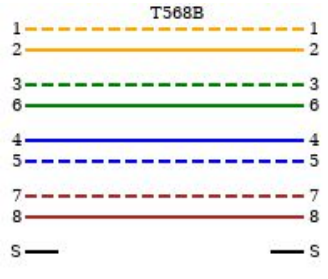
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

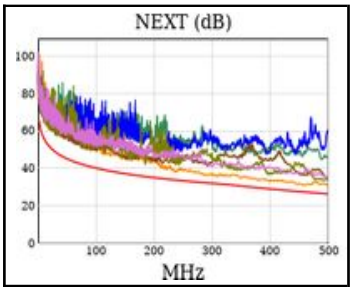
Length (ft), Limit 328	[Pair 7,8]	124
Prop. Delay (ns), Limit 555	[Pair 4,5]	196
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

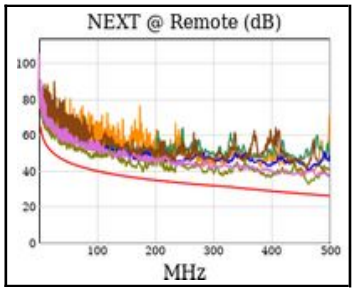


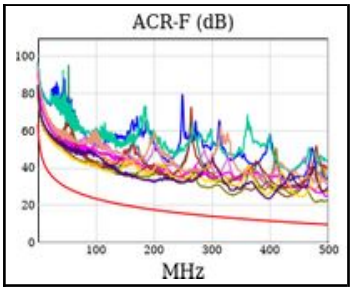
PASS

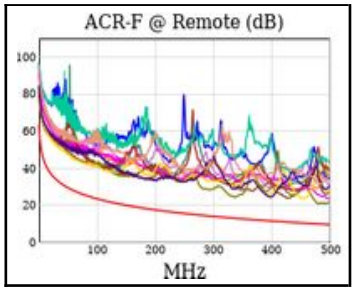


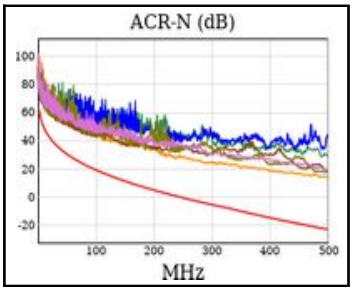


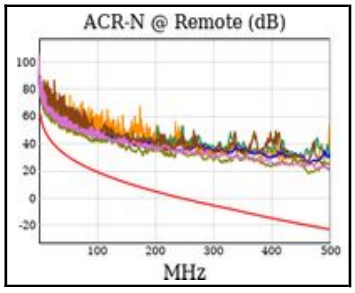


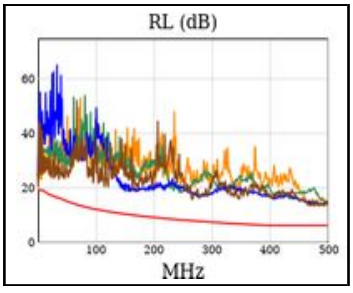


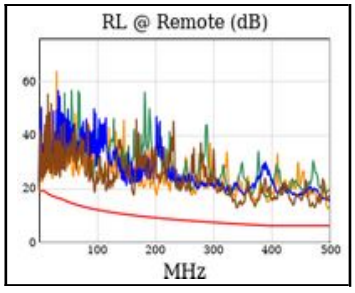












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.4	3.7	3.4	5.5
Freq. (MHz)	461.0	179.5	461.0	464.0
Limit (dB)	27.1	35.6	27.1	27.0
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.5	5.4	4.5	7.1
Freq. (MHz)	499.0	179.5	499.0	464.0
Limit (dB)	23.3	32.7	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.6	10.7	11.6	10.7
Freq. (MHz)	481.0	481.0	481.0	481.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.4	11.6	12.5	11.6
Freq. (MHz)	398.0	496.0	399.0	496.0
Limit (dB)	8.3	6.3	8.2	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	11.2	11.9	36.6	38.0
Freq. (MHz)	4.9	8.0	499.0	464.0
Limit (dB)	57.1	52.4	-23.1	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	11.8	36.7	38.8
Freq. (MHz)	5.1	5.1	499.0	464.0
Limit (dB)	54.1	54.1	-26.0	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.5	5.8	6.8	6.1
Freq. (MHz)	24.0	340.0	495.0	498.0
Limit (dB)	17.1	6.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-7-A

Test Summary: PASS

Date / Time: 12/18/2022 04:14:28 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	25.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.3	6.6	5.9	6.6
Freq. (MHz)	88.0	466.0	491.0	466.0
Limit (dB)	40.9	26.9	26.3	26.9
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	5.6	7.4	5.9	7.5
Freq. (MHz)	480.0	224.5	500.0	466.0
Limit (dB)	23.7	31.0	23.2	24.0

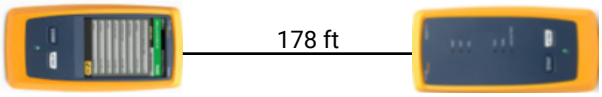
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.5	9.9	11.5	9.9
Freq. (MHz)	473.0	473.0	473.0	473.0
Limit (dB)	9.8	9.8	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.2	11.7	13.2	11.7
Freq. (MHz)	473.0	474.0	473.0	474.0
Limit (dB)	6.8	6.7	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.7	10.0	32.4	32.9
Freq. (MHz)	5.1	3.6	500.0	466.0
Limit (dB)	56.6	59.8	-23.2	-20.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	9.6	31.0	35.5
Freq. (MHz)	5.4	3.5	500.0	499.0
Limit (dB)	53.7	57.6	-26.1	-26.0

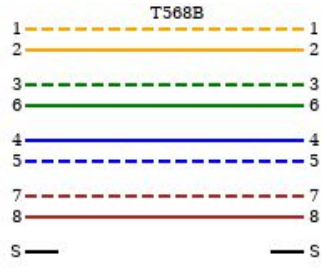
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	4.9	5.6	6.2	5.8
Freq. (MHz)	12.1	203.5	494.0	348.0
Limit (dB)	18.6	8.9	6.0	6.6

Compliant Network Standards:

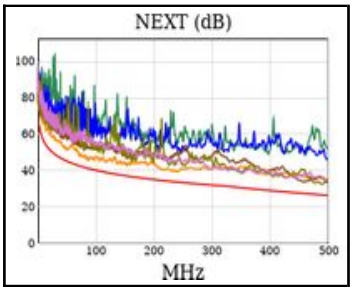
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

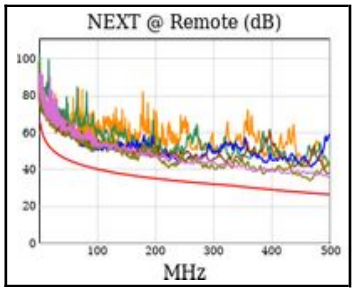


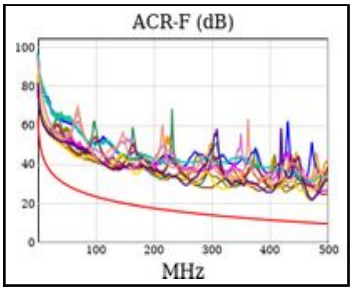
PASS

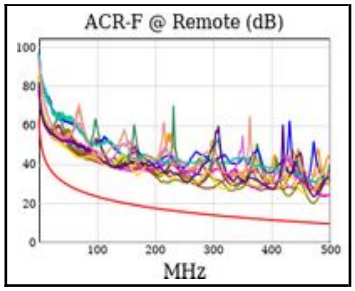


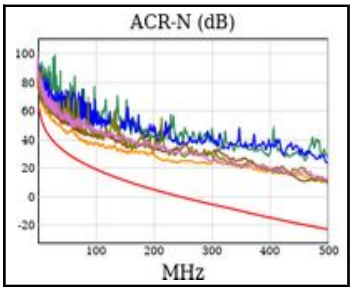


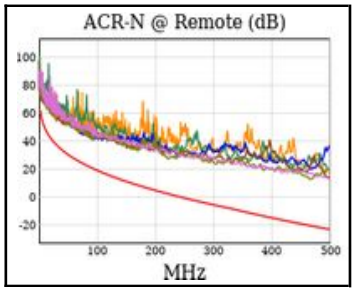


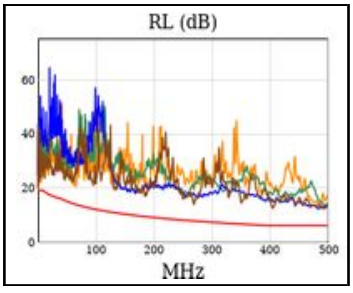


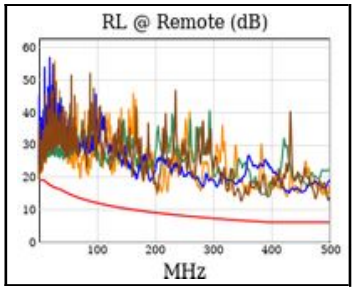












FLUKE networks

LinkWare Live

Cable ID: 106-7-B

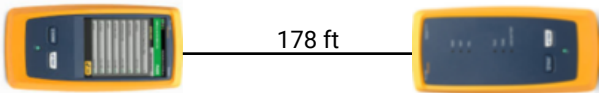
Test Summary: PASS

Date / Time: 12/18/2022 04:15:33 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

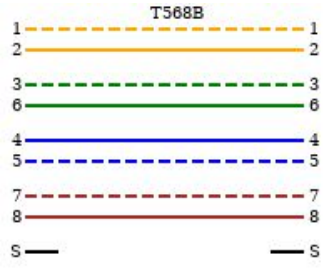
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	24.9
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

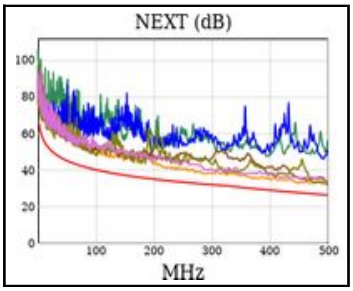


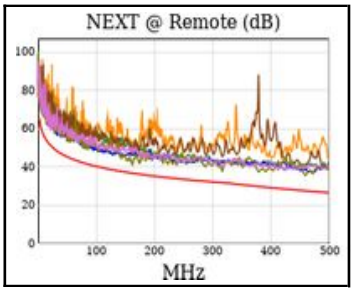
PASS



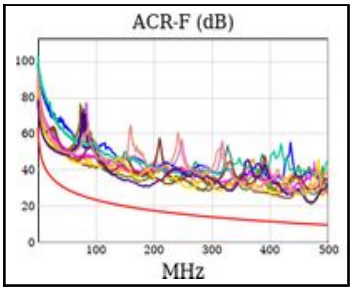


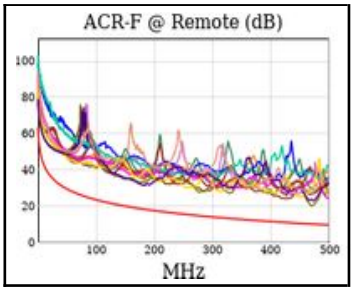
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.2	4.0	5.4	8.0
Freq. (MHz)	449.0	163.5	499.0	461.0
Limit (dB)	27.4	36.3	26.1	27.1
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.3	5.5	4.4	8.5
Freq. (MHz)	499.0	163.5	500.0	473.0
Limit (dB)	23.3	33.4	23.2	23.9



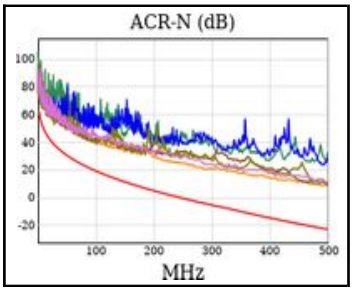


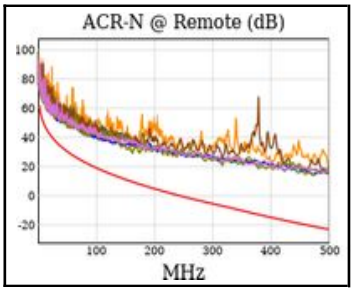
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.0	9.9	11.0	9.9
Freq. (MHz)	472.0	472.0	472.0	472.0
Limit (dB)	9.8	9.8	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.5	12.7	13.6	12.7
Freq. (MHz)	466.0	471.0	469.0	471.0
Limit (dB)	6.9	6.8	6.8	6.8



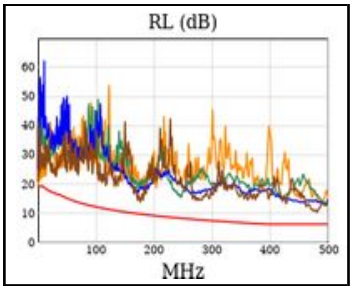


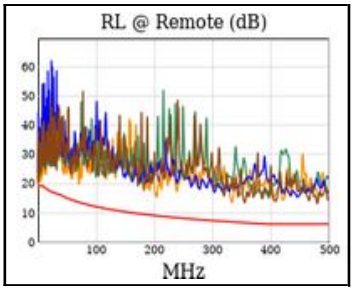
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	10.0	10.6	31.4	34.8
Freq. (MHz)	3.4	3.4	500.0	473.0
Limit (dB)	60.4	60.4	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.7	9.5	29.7	36.2
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	57.3	57.3	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	3.9	4.7	4.1	6.7
Freq. (MHz)	12.5	14.8	482.0	481.0
Limit (dB)	18.5	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-8-A

Test Summary: PASS

Date / Time: 12/18/2022 04:04:45 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	152
Prop. Delay (ns), Limit 555	[Pair 4,5]	241
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.2	4.3	5.9	6.5
Freq. (MHz)	239.5	231.0	489.0	404.0
Limit (dB)	33.4	33.7	26.4	28.6
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.0	5.6	6.0	9.3
Freq. (MHz)	500.0	92.5	500.0	492.0
Limit (dB)	23.2	37.7	23.2	23.4

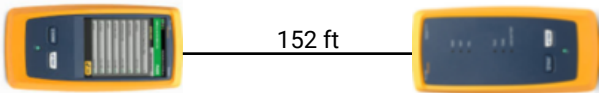
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.2	10.7	12.2	11.2
Freq. (MHz)	475.0	417.0	475.0	475.0
Limit (dB)	9.7	10.9	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.1	12.6	14.1	12.9
Freq. (MHz)	475.0	417.0	475.0	475.0
Limit (dB)	6.7	7.9	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	10.2	10.8	35.5	38.5
Freq. (MHz)	4.1	4.1	497.0	497.0
Limit (dB)	58.6	58.6	-23.0	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.0	34.5	37.8
Freq. (MHz)	4.1	4.3	500.0	497.0
Limit (dB)	56.1	55.8	-26.1	-25.8

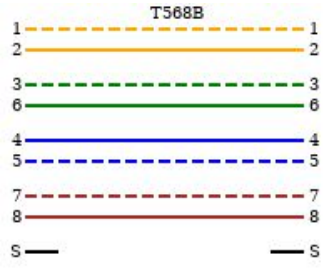
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.7	2.7	5.5	4.2
Freq. (MHz)	25.5	72.8	495.0	497.0
Limit (dB)	17.0	13.4	6.0	6.0

Compliant Network Standards:

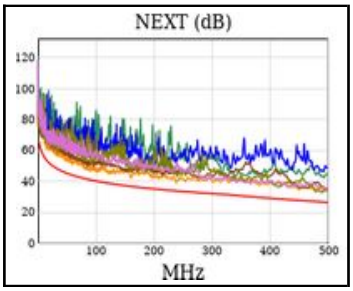
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

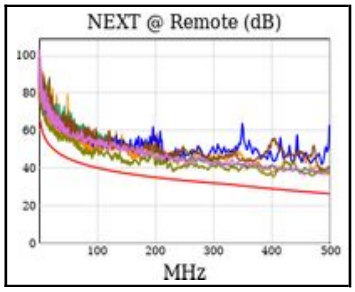


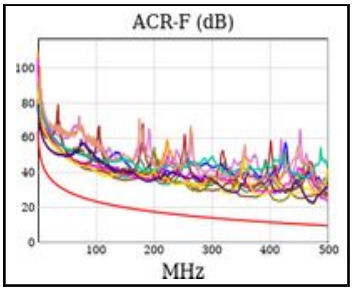
PASS

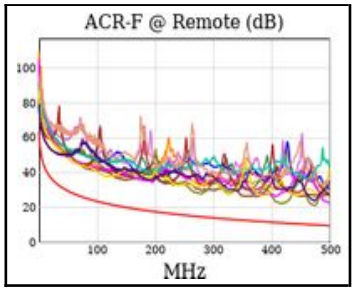


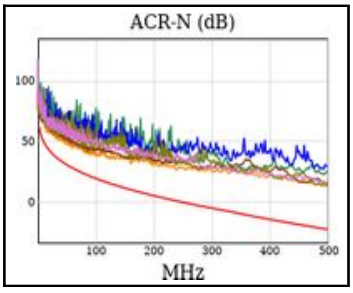


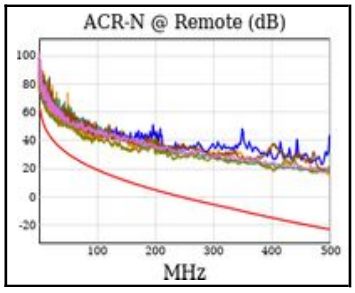


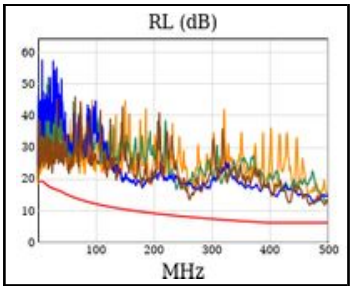


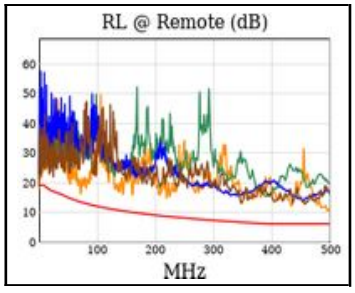












FLUKE networks

LinkWare Live

Cable ID: 106-8-B

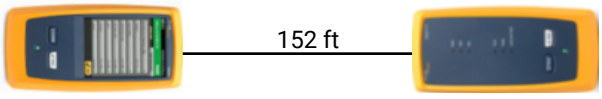
Test Summary: PASS

Date / Time: 12/18/2022 04:05:32 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

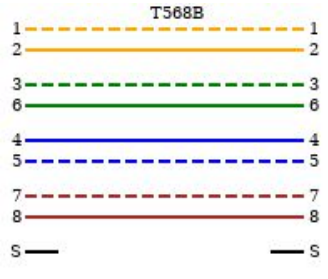
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

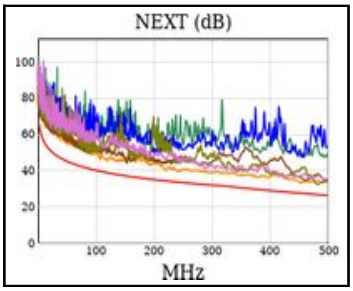
Length (ft), Limit 328	[Pair 1,2]	152
Prop. Delay (ns), Limit 555	[Pair 4,5]	242
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

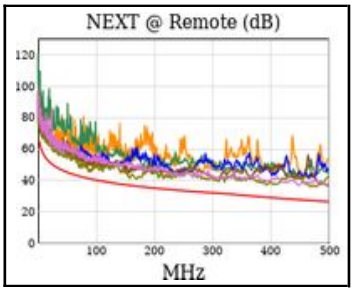


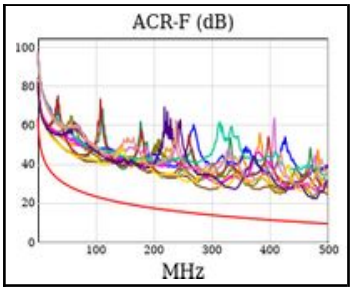
PASS

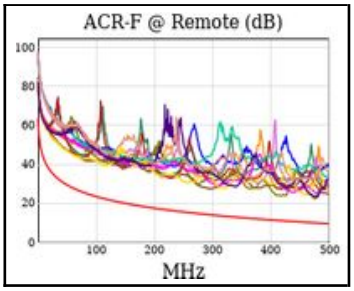


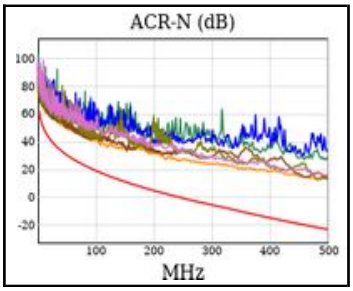


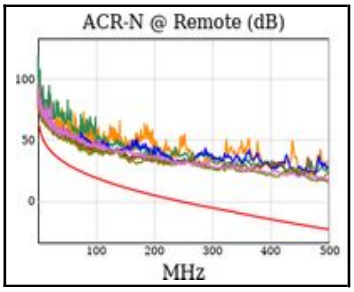


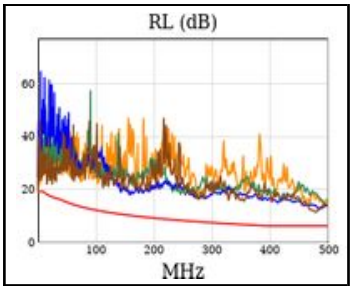


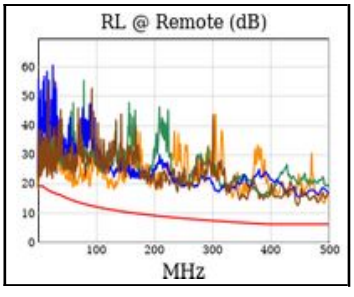












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.5	4.1	5.6	8.6
Freq. (MHz)	454.0	87.5	483.0	479.0
Limit (dB)	27.2	40.9	26.5	26.6
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.5	5.5	5.6	9.3
Freq. (MHz)	482.0	87.8	500.0	470.0
Limit (dB)	23.7	38.1	23.2	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	12.4	12.2	12.4	12.2
Freq. (MHz)	481.0	477.0	481.0	477.0
Limit (dB)	9.6	9.7	9.6	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.6	13.0	13.6	13.0
Freq. (MHz)	468.0	477.0	468.0	477.0
Limit (dB)	6.9	6.7	6.9	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	9.5	10.0	34.3	38.8
Freq. (MHz)	4.1	4.3	483.0	499.0
Limit (dB)	58.6	58.3	-21.9	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.1	10.0	34.2	38.9
Freq. (MHz)	4.3	4.4	500.0	500.0
Limit (dB)	55.8	55.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	3.9	4.3	5.1	6.5
Freq. (MHz)	16.6	16.5	479.0	448.0
Limit (dB)	17.9	17.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

Test Summary: PASS

Date / Time: 12/17/2022 03:41:10 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	183
Prop. Delay (ns), Limit 555	[Pair 4,5]	284
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.6	5.3	6.6	5.8
Freq. (MHz)	254.0	318.0	500.0	456.0
Limit (dB)	33.0	31.3	26.1	27.2
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	4.6	5.2	6.2	6.9
Freq. (MHz)	250.0	397.0	500.0	462.0
Limit (dB)	30.2	25.9	23.2	24.1

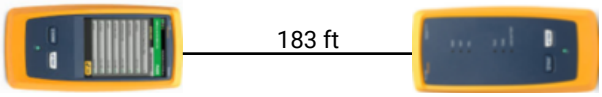
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.0	10.8	11.0	11.8
Freq. (MHz)	500.0	320.0	500.0	500.0
Limit (dB)	9.3	13.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.1	10.4	13.1	12.7
Freq. (MHz)	8.0	8.0	500.0	500.0
Limit (dB)	42.2	42.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.3	8.5	32.1	32.1
Freq. (MHz)	3.5	3.5	500.0	471.0
Limit (dB)	60.1	60.1	-23.2	-20.9
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-N (dB)	8.7	9.2	31.7	31.3
Freq. (MHz)	3.5	3.6	500.0	463.0
Limit (dB)	57.6	57.3	-26.1	-23.2

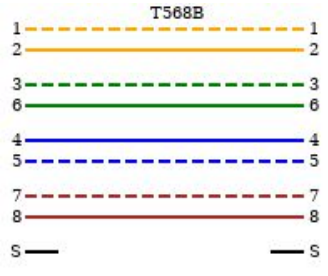
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.4	6.0	6.4	7.6
Freq. (MHz)	488.0	19.3	488.0	486.0
Limit (dB)	6.0	17.6	6.0	6.0

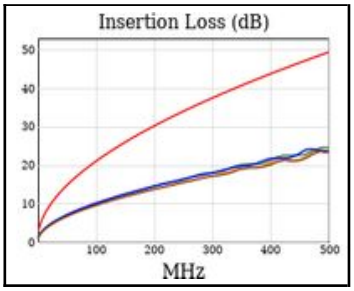
Compliant Network Standards:

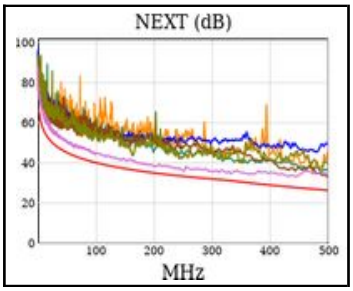
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

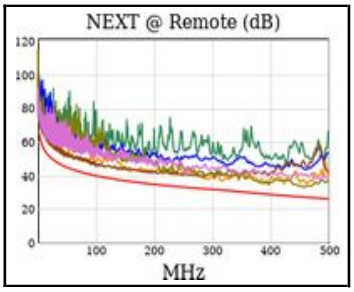


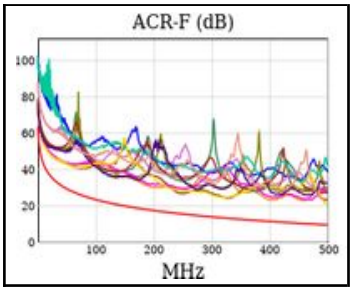
PASS

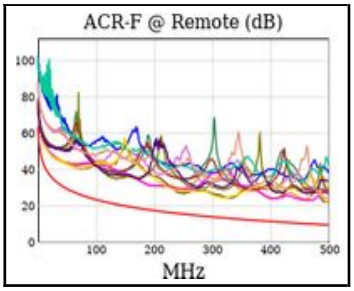


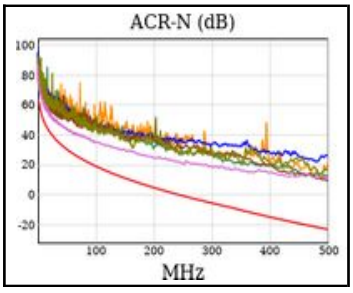


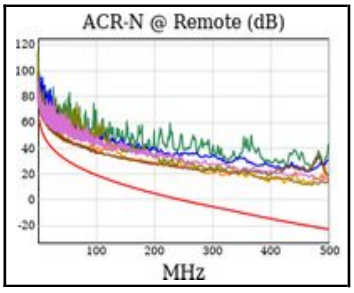


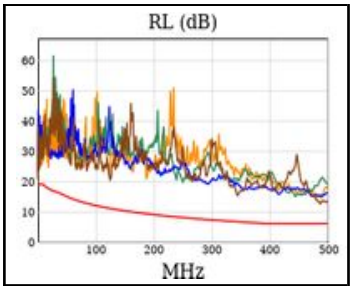


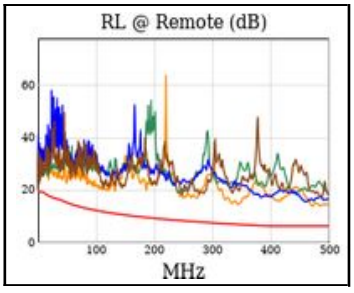












FLUKE networks

LinkWare Live

Cable ID: 106-B

Test Summary: PASS

Date / Time: 12/17/2022 03:42:28 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	284
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.6	4.5	8.3	6.1
Freq. (MHz)	306.0	252.0	500.0	444.0
Limit (dB)	31.6	33.1	26.1	27.5
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	8.1	4.1	8.2	6.0
Freq. (MHz)	482.0	319.0	483.0	448.0
Limit (dB)	23.7	28.3	23.6	24.5

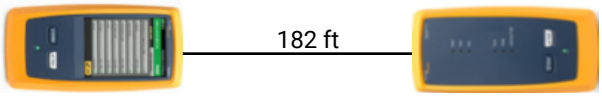
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.7	10.0	9.8
Freq. (MHz)	450.0	459.0	450.0	463.0
Limit (dB)	10.2	10.0	10.2	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.6	10.4	10.8
Freq. (MHz)	454.0	260.0	463.0	463.0
Limit (dB)	7.1	12.0	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.2	9.4	32.5	33.0
Freq. (MHz)	3.5	3.5	483.0	473.0
Limit (dB)	60.1	60.1	-21.9	-21.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.8	9.8	32.7	33.6
Freq. (MHz)	3.5	3.6	483.0	500.0
Limit (dB)	57.6	57.3	-24.8	-26.1

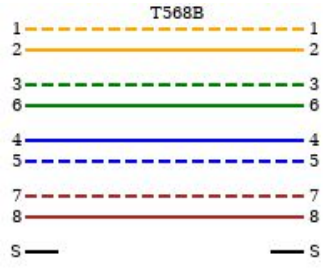
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.1	4.9	6.1	6.3
Freq. (MHz)	493.0	40.8	493.0	481.0
Limit (dB)	6.0	15.9	6.0	6.0

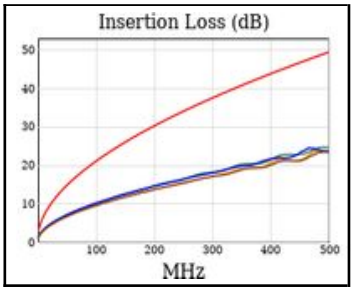
Compliant Network Standards:

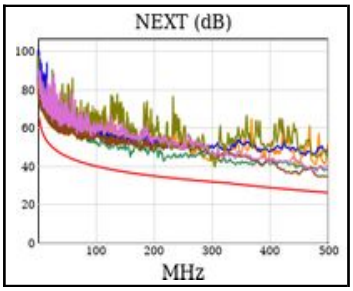
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

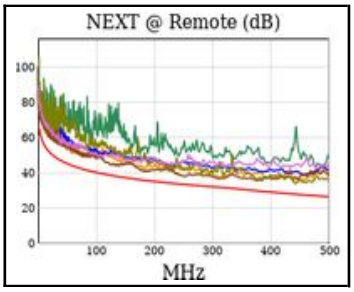


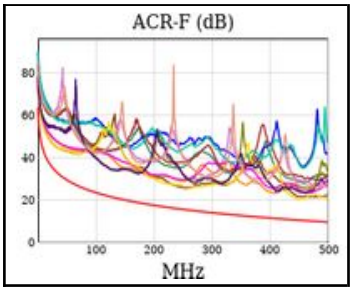
PASS

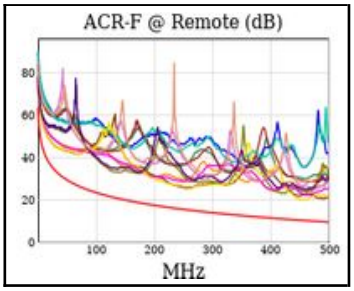


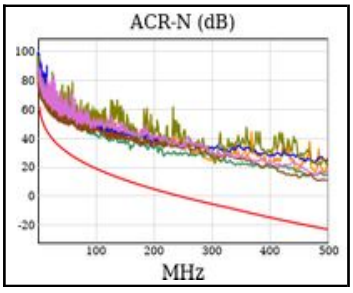


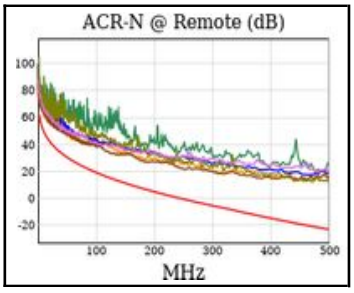


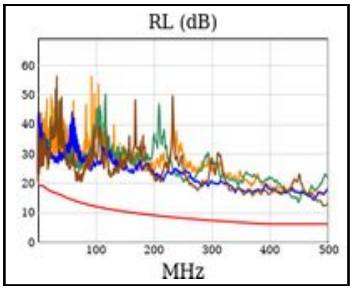


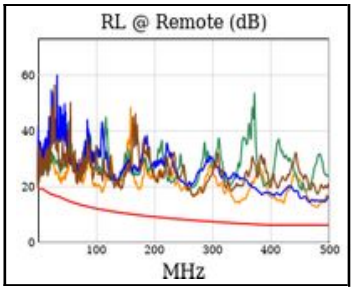












FLUKE networks

LinkWare Live

Cable ID: 106-A

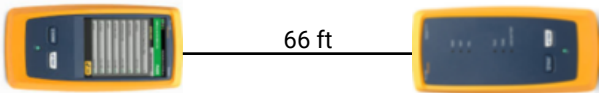
Test Summary: PASS

Date / Time: 12/19/2022 03:16:17 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

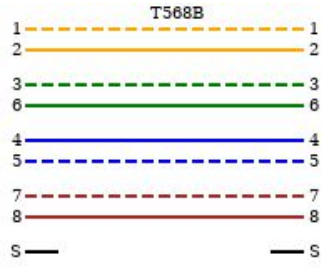
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

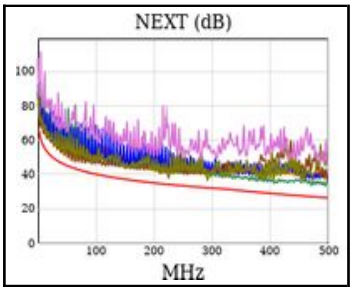
Length (ft), Limit 328	[Pair 1,2]	66
Prop. Delay (ns), Limit 555	[Pair 4,5]	102
Delay Skew (ns), Limit 50	[Pair 4,5]	4
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 7,8]	38.0
Frequency (MHz)	[Pair 7,8]	492.0
Limit (dB)	[Pair 7,8]	48.9

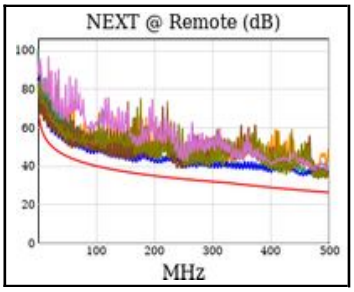


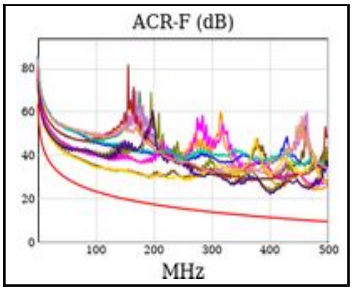
PASS

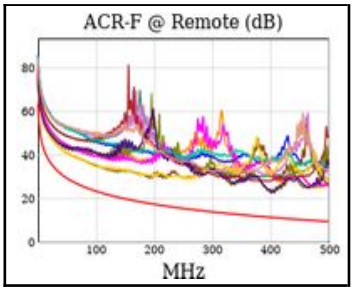


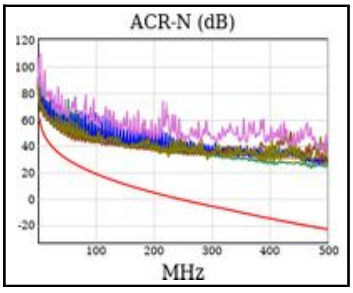


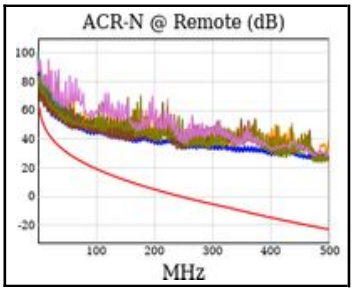


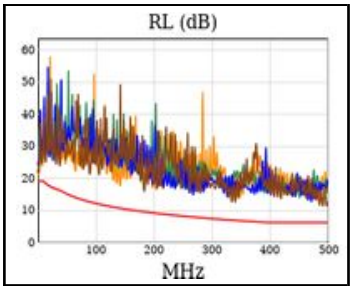


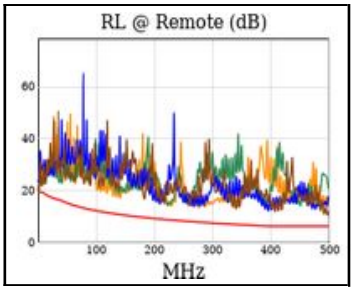












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-4,5	3,6-4,5
NEXT (dB)	3.6	5.4	6.6	6.8
Freq. (MHz)	226.0	240.0	496.0	483.0
Limit (dB)	33.9	33.4	26.2	26.5
Worst Pair	3,6	3,6	1,2	4,5
PS NEXT (dB)	4.4	5.3	8.0	6.7
Freq. (MHz)	293.0	252.0	497.0	496.0
Limit (dB)	28.9	30.1	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.7	11.0	10.8	11.3
Freq. (MHz)	47.3	102.0	401.0	407.0
Limit (dB)	29.8	23.1	11.2	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.0	12.7	13.0
Freq. (MHz)	1.0	7.3	407.0	407.0
Limit (dB)	60.3	43.1	8.1	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-7,8
ACR-N (dB)	9.7	9.5	44.1	45.1
Freq. (MHz)	4.9	5.0	472.0	487.0
Limit (dB)	57.1	56.9	-21.0	-22.2
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.8	10.6	48.2	44.9
Freq. (MHz)	4.9	5.4	498.0	482.0
Limit (dB)	54.6	53.7	-25.9	-24.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.0	4.2	5.0	4.2
Freq. (MHz)	492.0	499.0	492.0	499.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

Test Summary: PASS

Date / Time: 11/25/2022 05:32:22 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	165
Prop. Delay (ns), Limit 555	[Pair 3,6]	255
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 4,5]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.7
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	4.7	5.3	4.7
Freq. (MHz)	401.0	498.0	467.0	498.0
Limit (dB)	28.7	26.1	26.9	26.1
Worst Pair	1,2	4,5	3,6	4,5
PS NEXT (dB)	6.3	6.2	7.8	6.2
Freq. (MHz)	401.0	498.0	500.0	498.0
Limit (dB)	25.8	23.3	23.2	23.3

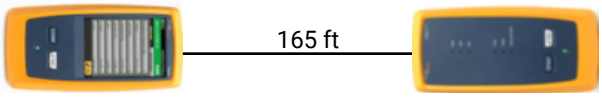
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.4	10.8	10.6
Freq. (MHz)	245.5	245.5	500.0	496.0
Limit (dB)	15.5	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	11.0	11.8
Freq. (MHz)	248.5	2.8	470.0	465.0
Limit (dB)	12.4	51.5	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.6	10.7	32.9	30.6
Freq. (MHz)	4.3	4.0	500.0	498.0
Limit (dB)	58.3	58.9	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.5	11.4	33.8	32.1
Freq. (MHz)	4.1	4.0	500.0	498.0
Limit (dB)	56.1	56.4	-26.1	-25.9

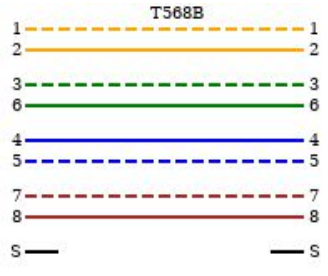
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.6	4.2	6.2	6.8
Freq. (MHz)	13.3	13.0	469.0	464.0
Limit (dB)	18.4	18.4	6.0	6.0

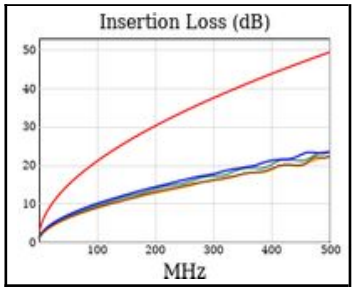
Compliant Network Standards:

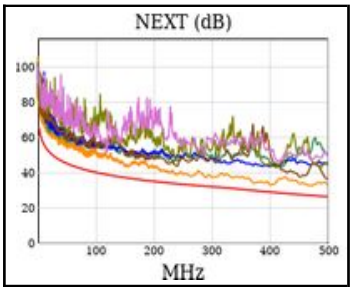
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

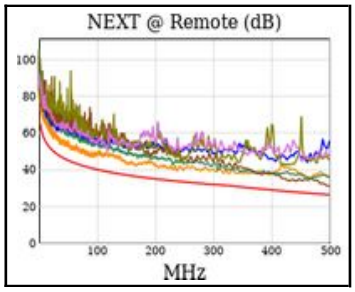


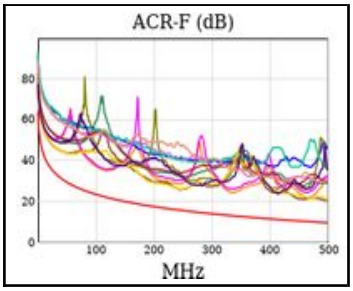
PASS

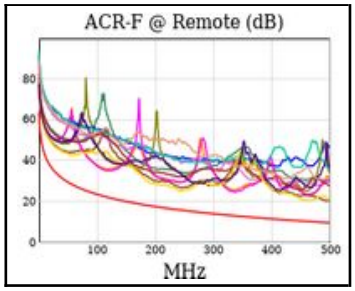


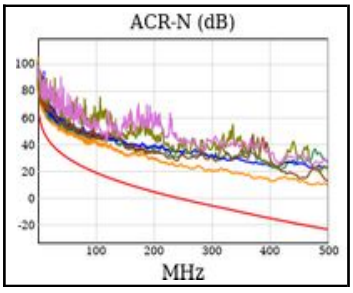


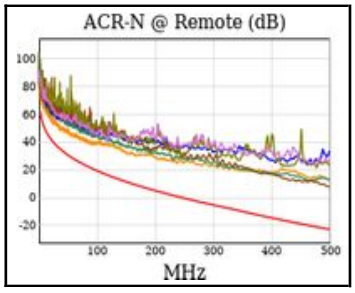


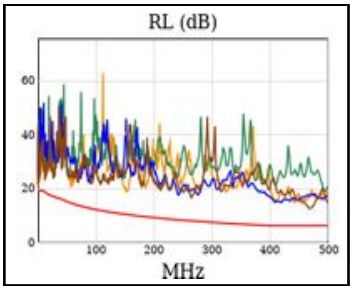


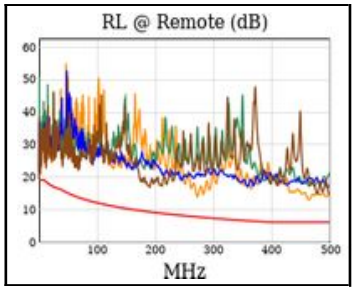












FLUKE networks

LinkWare Live

Cable ID: 106-B

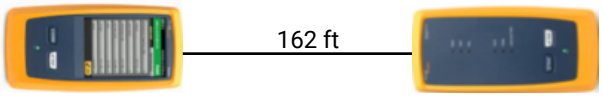
Test Summary: PASS

Date / Time: 11/25/2022 05:36:56 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

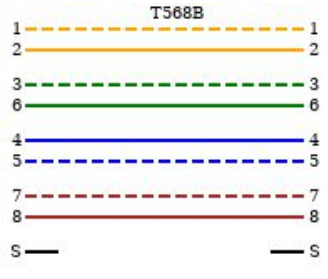
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

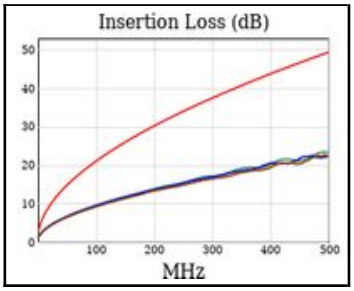
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

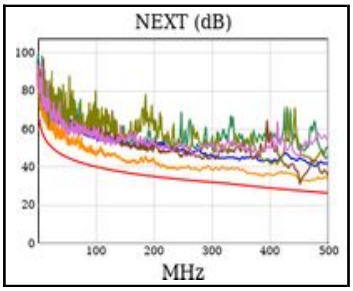
Length (ft), Limit 328	[Pair 7,8]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	253
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	25.6
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

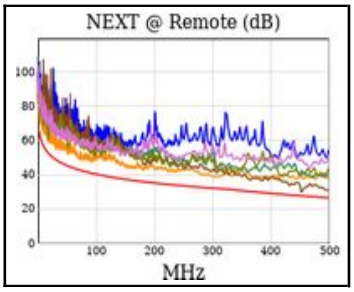


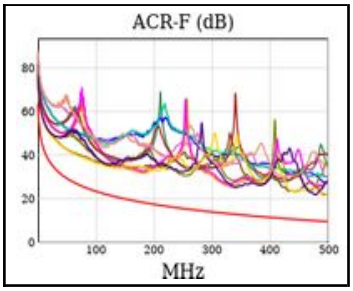
PASS

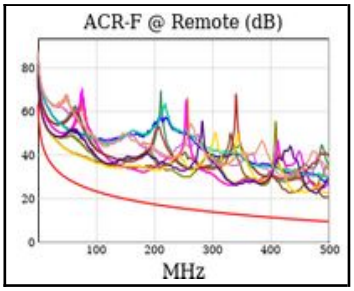


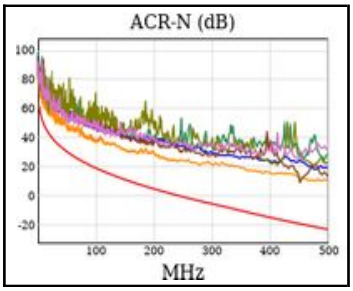


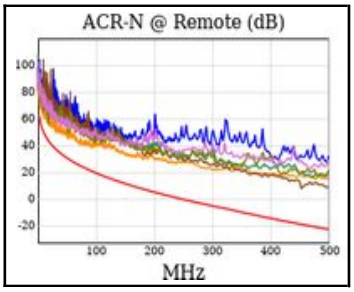


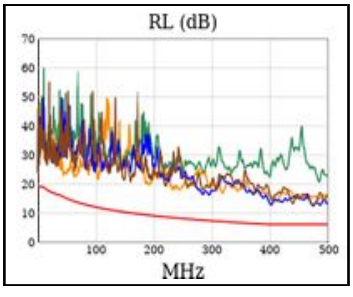


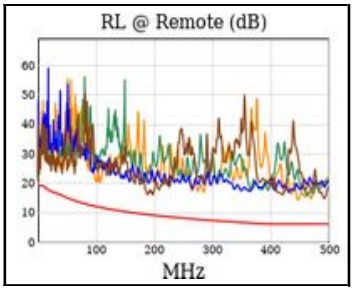












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	3.3	2.1	3.3	2.1
Freq. (MHz)	453.0	454.0	453.0	454.0
Limit (dB)	27.3	27.2	27.3	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	4.2	4.4	4.2
Freq. (MHz)	453.0	454.0	453.0	454.0
Limit (dB)	24.4	24.3	24.4	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.8	11.0	11.8	11.0
Freq. (MHz)	495.0	494.0	495.0	494.0
Limit (dB)	9.4	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.6	12.0	12.4
Freq. (MHz)	479.0	2.5	481.0	492.0
Limit (dB)	6.7	52.3	6.6	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.6	9.2	28.2	26.8
Freq. (MHz)	4.3	4.1	453.0	454.0
Limit (dB)	58.3	58.6	-19.5	-19.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.3	30.0	31.9
Freq. (MHz)	4.1	4.1	453.0	496.0
Limit (dB)	56.1	56.1	-22.4	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	1,2
RL (dB)	6.3	6.7	6.3	8.2
Freq. (MHz)	475.0	189.5	475.0	449.0
Limit (dB)	6.0	9.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

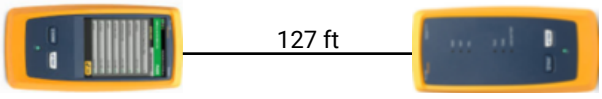
Test Summary: PASS

Date / Time: 11/26/2022 02:27:29 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

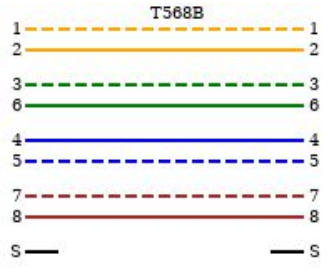
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

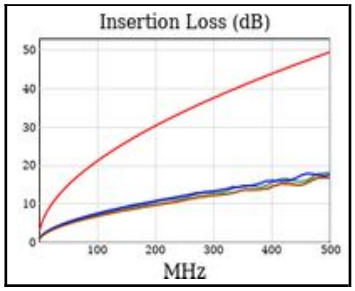
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

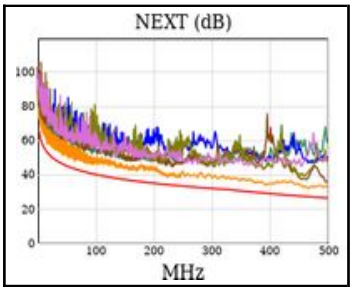
Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	196
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 4,5]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

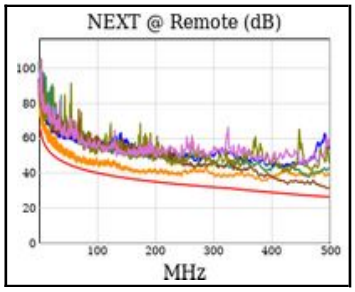


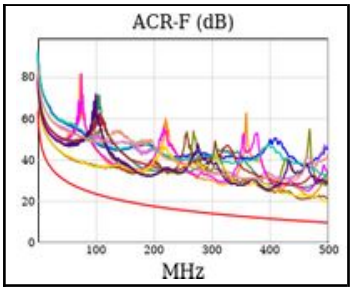
PASS

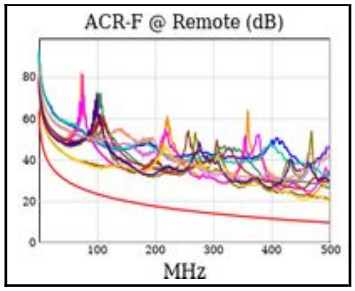


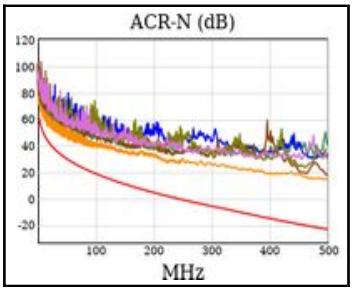


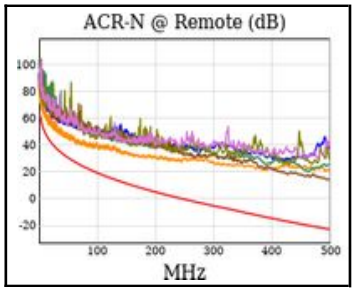


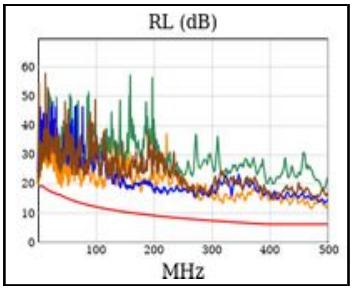


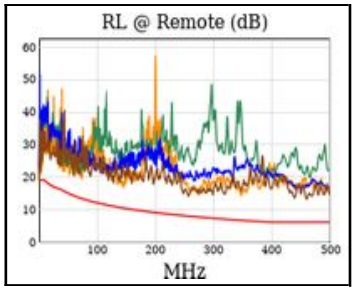












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	2.7	4.6	4.6
Freq. (MHz)	223.0	64.8	467.0	496.0
Limit (dB)	34.0	43.1	26.9	26.2
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.3	5.2	6.3	6.9
Freq. (MHz)	467.0	65.0	467.0	495.0
Limit (dB)	24.0	40.3	24.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.5	10.2	10.9
Freq. (MHz)	496.0	453.0	496.0	496.0
Limit (dB)	9.3	10.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	12.0	12.0	12.3	12.1
Freq. (MHz)	472.0	3.4	495.0	453.0
Limit (dB)	6.8	49.7	6.4	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	9.0	37.0	36.4
Freq. (MHz)	3.0	3.0	492.0	496.0
Limit (dB)	61.4	61.4	-22.6	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	11.1	38.5	37.9
Freq. (MHz)	3.0	3.1	498.0	495.0
Limit (dB)	58.4	58.3	-25.9	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	2.7	5.8	5.2	6.9
Freq. (MHz)	41.5	53.0	473.0	461.0
Limit (dB)	15.8	14.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-B

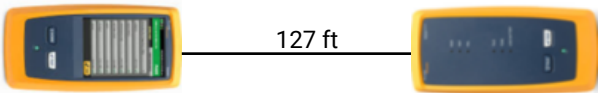
Test Summary: PASS

Date / Time: 11/26/2022 02:28:08 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

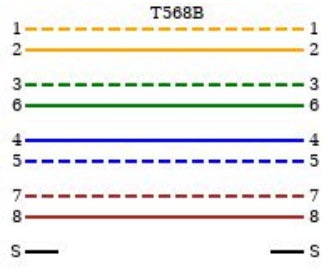
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

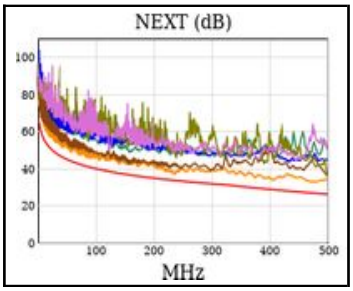
Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	197
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 4,5]	29.7
Frequency (MHz)	[Pair 4,5]	472.0
Limit (dB)	[Pair 4,5]	47.8

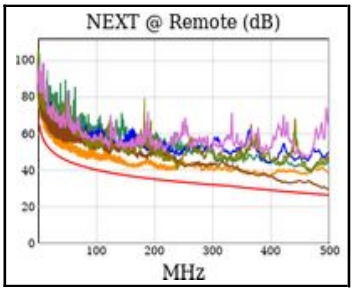


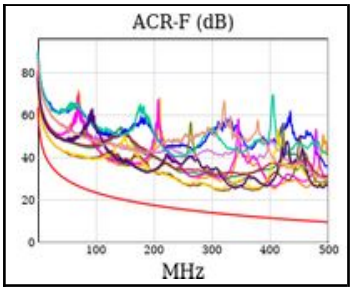
PASS

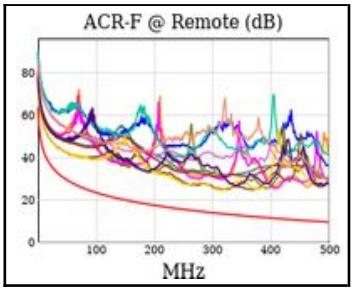


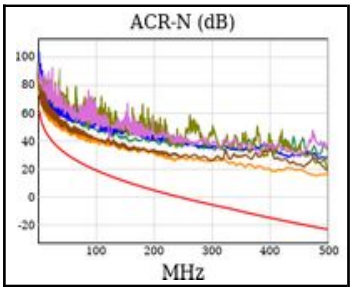


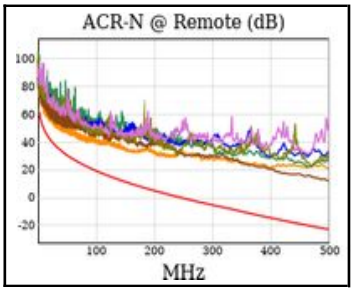


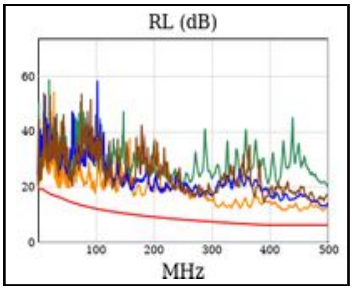


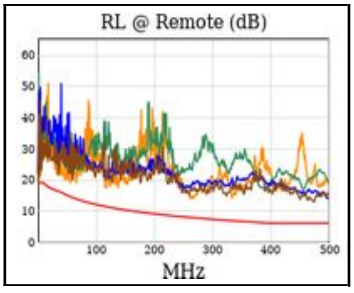












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	3.0	5.9	3.0
Freq. (MHz)	237.0	498.0	480.0	498.0
Limit (dB)	33.5	26.1	26.6	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.7	5.3	7.4	5.3
Freq. (MHz)	237.0	498.0	500.0	498.0
Limit (dB)	30.6	23.3	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.9	10.9	11.0	11.0
Freq. (MHz)	320.0	316.0	322.0	318.0
Limit (dB)	13.2	13.3	13.1	13.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.6	15.7	14.2
Freq. (MHz)	1.0	3.6	477.0	401.0
Limit (dB)	60.3	49.1	6.7	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	10.4	36.3	34.7
Freq. (MHz)	5.6	5.6	480.0	498.0
Limit (dB)	55.8	55.8	-21.6	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	12.0	38.8	36.6
Freq. (MHz)	5.3	5.8	500.0	498.0
Limit (dB)	53.9	53.0	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.1	4.3	5.0	6.8
Freq. (MHz)	38.8	56.0	454.0	475.0
Limit (dB)	16.1	14.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

Test Summary: PASS

Date / Time: 11/27/2022 12:03:07 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	119
Prop. Delay (ns), Limit 555	[Pair 4,5]	188
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	15.1
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	3.6	4.7	3.6	8.1
Freq. (MHz)	500.0	21.3	500.0	460.0
Limit (dB)	26.1	51.2	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	5.7	5.8	8.0
Freq. (MHz)	500.0	54.3	500.0	457.0
Limit (dB)	23.2	41.6	23.2	24.3

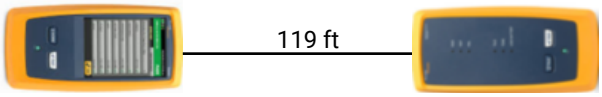
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.7	11.2	11.0
Freq. (MHz)	253.0	253.0	495.0	496.0
Limit (dB)	15.2	15.2	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.9	11.6	11.0
Freq. (MHz)	8.5	468.0	466.0	472.0
Limit (dB)	41.7	6.9	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.1	9.3	36.4	38.4
Freq. (MHz)	3.1	3.1	500.0	445.0
Limit (dB)	61.1	61.1	-23.2	-18.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	10.1	37.6	39.5
Freq. (MHz)	3.1	3.0	500.0	460.0
Limit (dB)	58.3	58.4	-26.1	-22.9

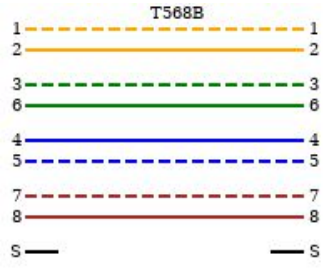
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.1	4.5	5.4	4.5
Freq. (MHz)	126.0	345.0	478.0	345.0
Limit (dB)	11.0	6.6	6.0	6.6

Compliant Network Standards:

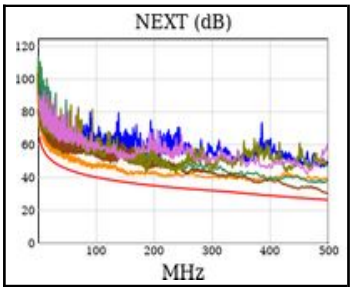
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

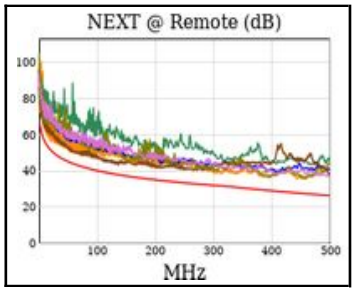


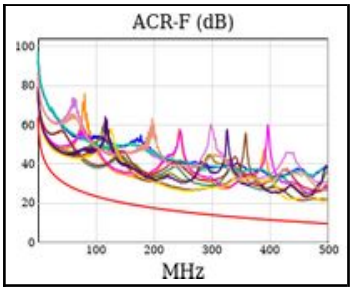
PASS

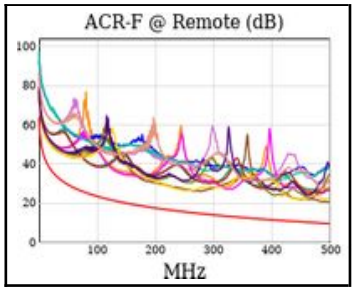


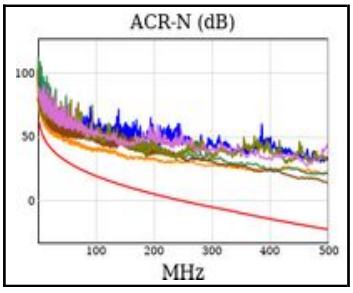


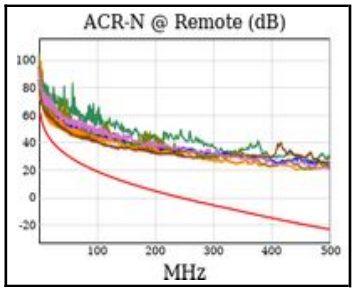


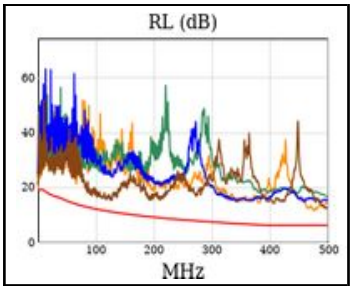


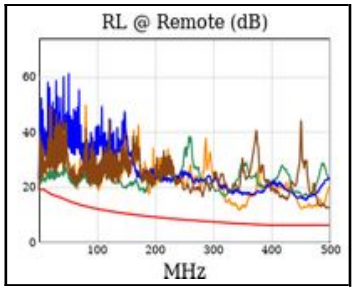












FLUKE networks

LinkWare Live

Cable ID: 106-B

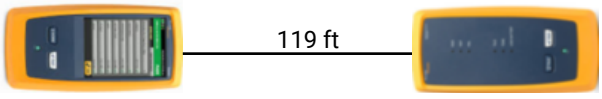
Test Summary: PASS

Date / Time: 11/27/2022 12:03:37 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

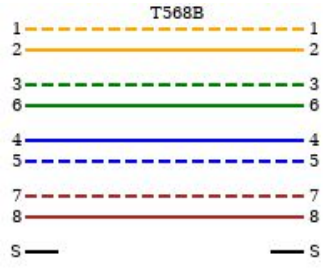
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

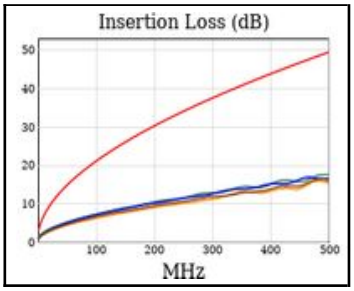
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	119
Prop. Delay (ns), Limit 555	[Pair 4,5]	188
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	15.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

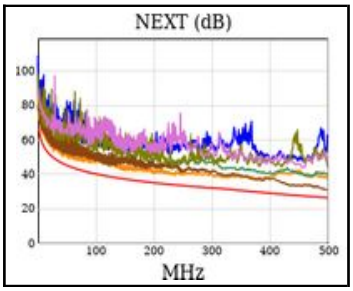


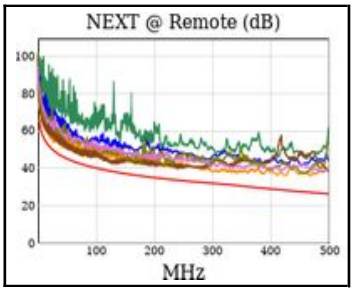
PASS



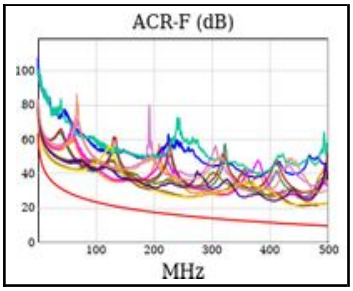


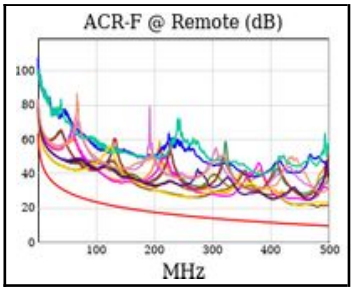
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	3.9	4.4	8.6
Freq. (MHz)	27.3	128.0	499.0	469.0
Limit (dB)	49.4	38.1	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.5	4.1	6.4	9.5
Freq. (MHz)	27.4	63.5	500.0	469.0
Limit (dB)	46.7	40.5	23.2	24.0



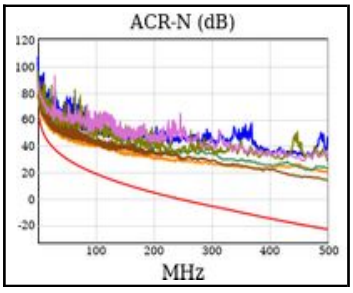


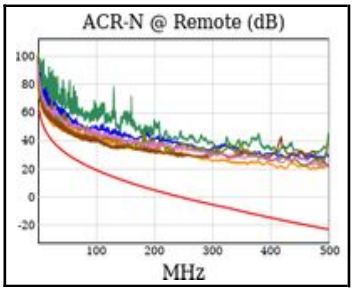
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.7	10.7	10.8
Freq. (MHz)	457.0	452.0	457.0	482.0
Limit (dB)	10.1	10.2	10.1	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.5	12.0	11.6
Freq. (MHz)	262.0	272.0	463.0	466.0
Limit (dB)	11.9	11.6	6.9	6.9



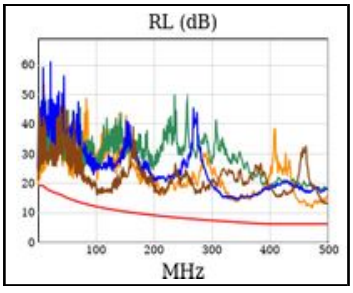


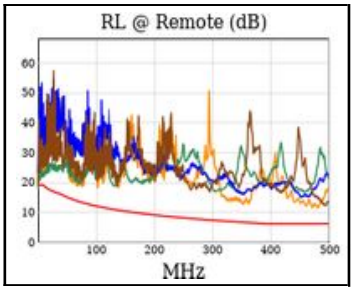
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.8	8.3	37.1	39.8
Freq. (MHz)	5.8	3.1	499.0	469.0
Limit (dB)	55.6	61.1	-23.1	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.4	38.1	42.3
Freq. (MHz)	3.0	5.6	499.0	490.0
Limit (dB)	58.4	53.2	-26.0	-25.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	3.7	5.0	5.1	5.0
Freq. (MHz)	102.5	482.0	473.0	482.0
Limit (dB)	11.9	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

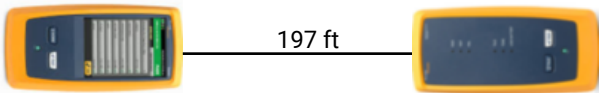
Test Summary: PASS

Date / Time: 12/11/2022 11:30:19 AM
Headroom: 2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

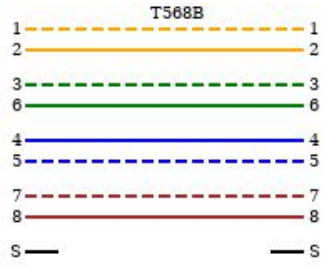
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	306
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	12.3
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

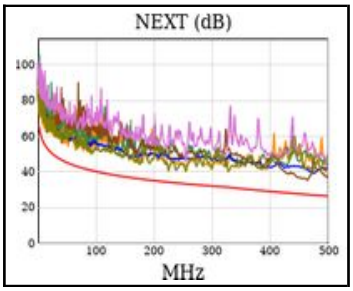


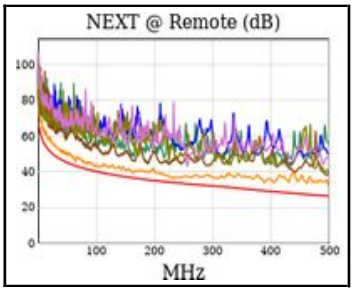
PASS



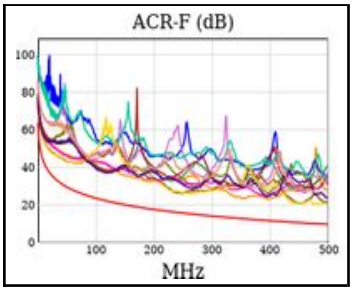


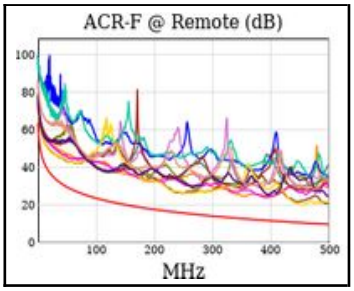
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.1	2.0	8.0	5.6
Freq. (MHz)	226.0	65.3	465.0	500.0
Limit (dB)	33.9	43.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.5	4.7	10.3	7.0
Freq. (MHz)	256.0	233.5	466.0	500.0
Limit (dB)	30.0	30.7	24.0	23.2



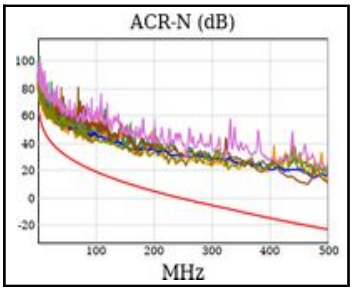


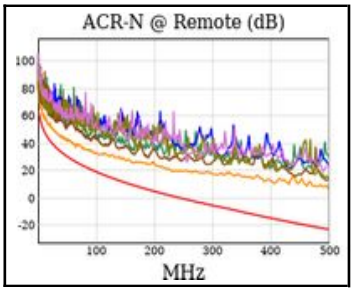
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.6	10.1	9.8
Freq. (MHz)	485.0	452.0	485.0	461.0
Limit (dB)	9.5	10.2	9.5	10.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	11.0	11.8	11.5
Freq. (MHz)	5.9	2.1	498.0	459.0
Limit (dB)	44.9	53.7	6.3	7.0



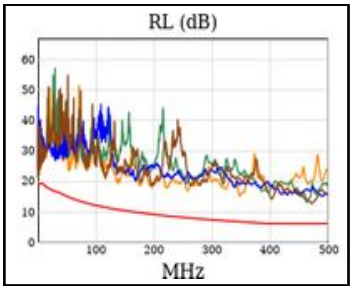


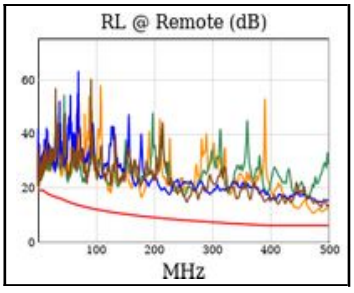
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.0	8.7	30.0	28.9
Freq. (MHz)	3.5	5.3	465.0	500.0
Limit (dB)	60.1	56.4	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	9.5	34.5	30.3
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	57.9	57.9	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.6	4.5	6.6	4.5
Freq. (MHz)	473.0	474.0	473.0	474.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-B

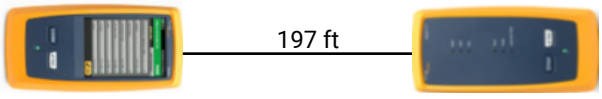
Test Summary: PASS

Date / Time: 12/11/2022 11:35:43 AM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

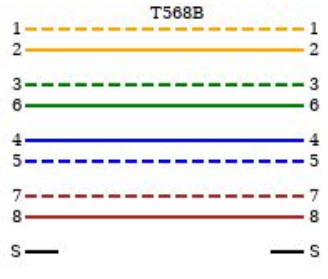
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	306
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

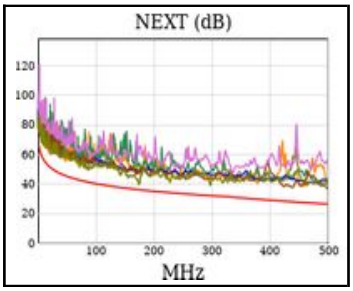


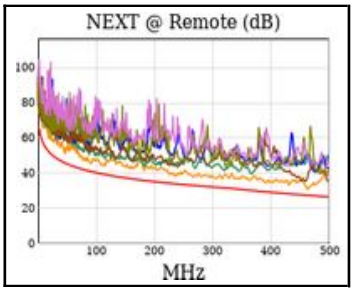
PASS



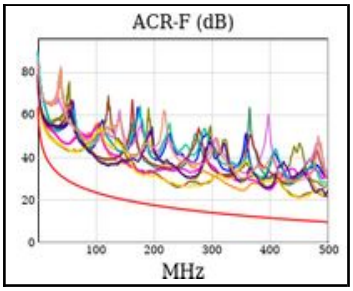


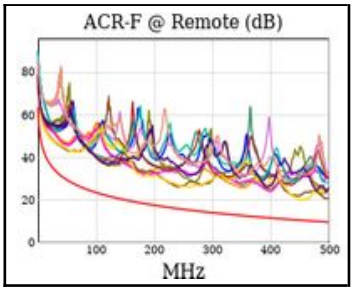
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	3.4	10.2	3.4
Freq. (MHz)	175.0	464.0	500.0	464.0
Limit (dB)	35.8	27.0	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	5.3	11.4	5.3
Freq. (MHz)	175.0	464.0	500.0	464.0
Limit (dB)	32.9	24.1	23.2	24.1



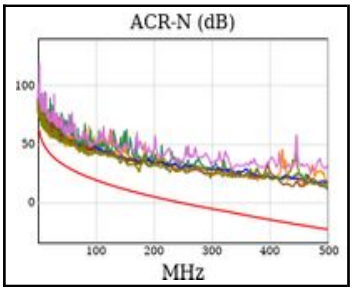


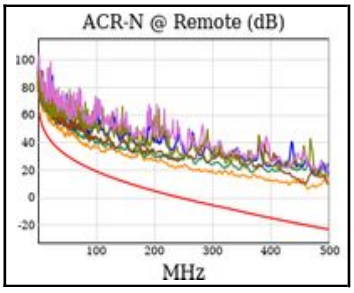
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.5	10.4	9.6
Freq. (MHz)	241.0	452.0	452.0	455.0
Limit (dB)	15.6	10.2	10.2	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	11.0	12.3
Freq. (MHz)	5.8	5.8	496.0	496.0
Limit (dB)	45.1	45.1	6.3	6.3



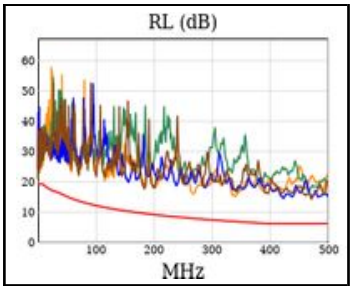


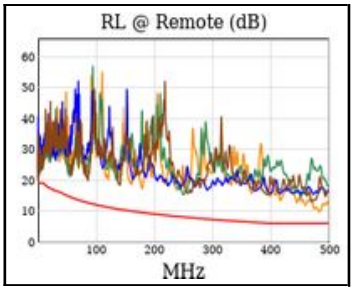
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	10.5	34.1	26.4
Freq. (MHz)	3.1	3.3	500.0	465.0
Limit (dB)	61.1	60.7	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.0	34.6	28.2
Freq. (MHz)	3.3	3.3	500.0	464.0
Limit (dB)	58.2	58.2	-26.1	-23.2





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.3	3.7	8.0	3.7
Freq. (MHz)	9.5	484.0	472.0	484.0
Limit (dB)	19.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

Test Summary: PASS

Date / Time: 11/21/2022 02:05:17 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	221
Prop. Delay (ns), Limit 555	[Pair 3,6]	341
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	4.8	3.5	6.0	5.3
Freq. (MHz)	301.0	242.0	465.0	466.0
Limit (dB)	31.7	33.4	27.0	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.4	5.5	7.7	7.7
Freq. (MHz)	301.0	242.5	462.0	466.0
Limit (dB)	28.7	30.4	24.1	24.0

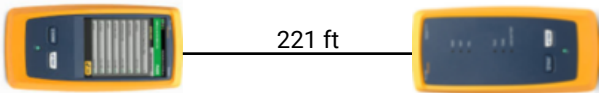
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.9	11.8	10.6
Freq. (MHz)	380.0	327.0	476.0	476.0
Limit (dB)	11.7	13.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.5	12.1	12.5
Freq. (MHz)	335.0	5.1	500.0	478.0
Limit (dB)	9.8	46.1	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	11.0	27.6	24.9
Freq. (MHz)	13.1	16.3	500.0	484.0
Limit (dB)	47.2	44.9	-23.2	-22.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.2	11.1	28.4	27.4
Freq. (MHz)	3.0	2.9	500.0	500.0
Limit (dB)	58.4	58.4	-26.1	-26.1

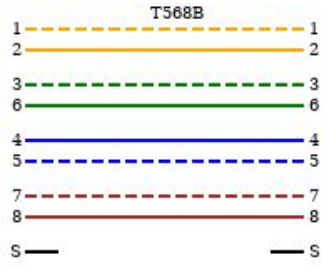
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.5	4.9	7.2	5.1
Freq. (MHz)	8.3	16.1	493.0	486.0
Limit (dB)	19.0	18.0	6.0	6.0

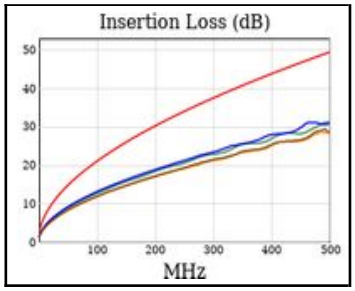
Compliant Network Standards:

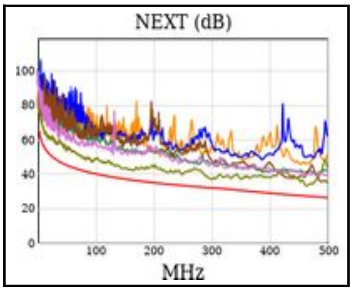
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

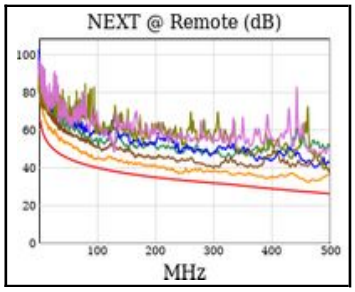


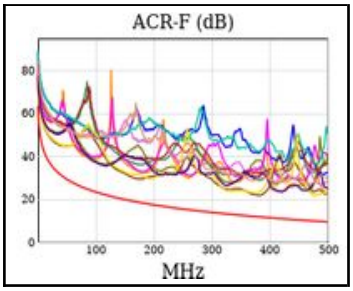
PASS

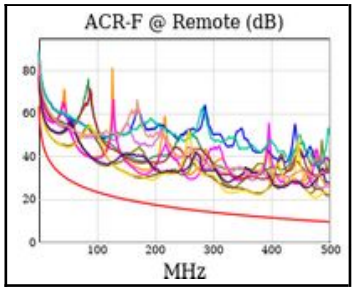


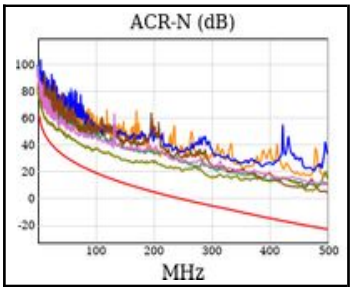


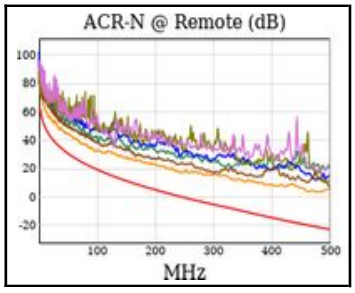


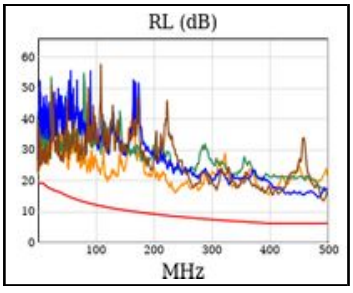


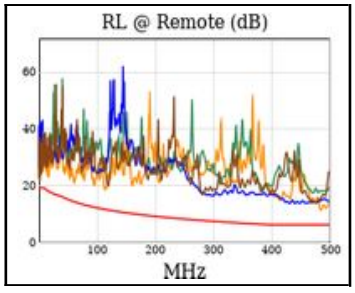












FLUKE networks

LinkWare Live

Cable ID: 106-B

Test Summary: PASS

Date / Time: 11/21/2022 02:17:31 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	172
Prop. Delay (ns), Limit 555	[Pair 3,6]	266
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	24.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.0	3.9	6.1	5.3
Freq. (MHz)	307.0	232.5	460.0	471.0
Limit (dB)	31.6	33.7	27.1	26.8
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	6.7	6.3	8.9	7.4
Freq. (MHz)	307.0	232.5	500.0	464.0
Limit (dB)	28.6	30.7	23.2	24.1

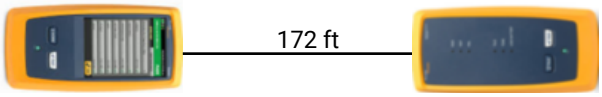
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.2	10.0	9.5
Freq. (MHz)	250.0	465.0	500.0	500.0
Limit (dB)	15.3	9.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.6	12.2	12.2
Freq. (MHz)	418.0	258.0	500.0	500.0
Limit (dB)	7.8	12.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	12.2	32.5	30.4
Freq. (MHz)	3.6	5.8	500.0	484.0
Limit (dB)	59.8	55.6	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	11.9	33.4	32.9
Freq. (MHz)	3.8	3.9	500.0	496.0
Limit (dB)	57.0	56.7	-26.1	-25.8

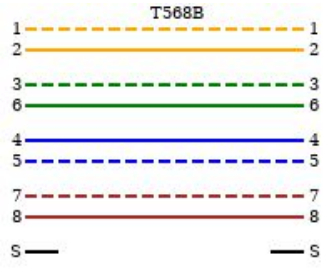
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.9	6.1	8.8	6.1
Freq. (MHz)	59.5	494.0	487.0	494.0
Limit (dB)	14.3	6.0	6.0	6.0

Compliant Network Standards:

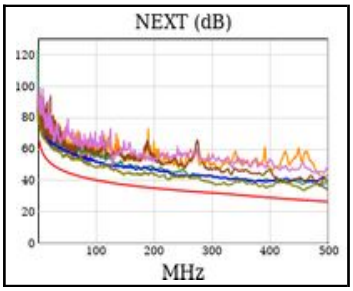
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

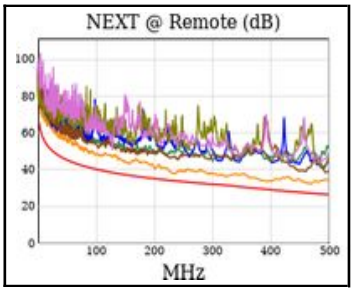


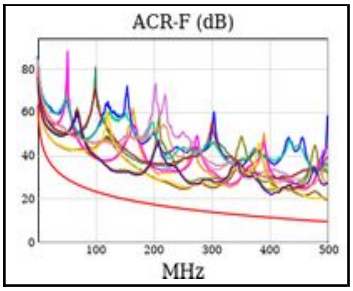
PASS

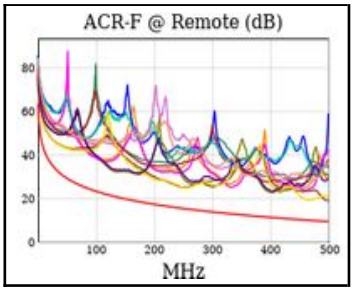


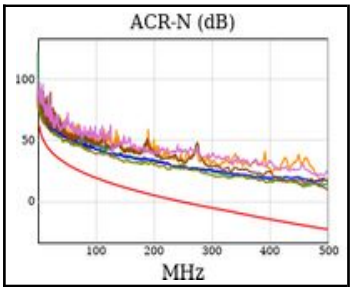


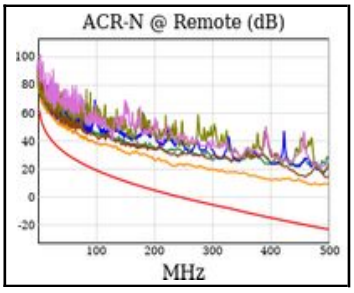


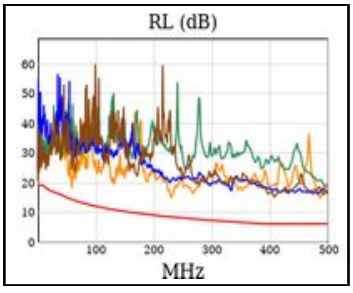


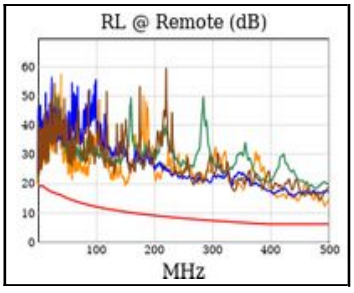












FLUKE networks

LinkWare Live

Cable ID: 106-A

Test Summary: PASS

Date / Time: 12/10/2022 04:07:17 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	257
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	7.4
Insertion Loss Margin (dB)	[Pair 4,5]	25.0
Frequency (MHz)	[Pair 4,5]	466.0
Limit (dB)	[Pair 4,5]	47.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	6.9	4.8	8.1	7.7
Freq. (MHz)	95.0	160.0	458.0	483.0
Limit (dB)	40.3	36.4	27.1	26.5
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	8.2	4.4	10.1	8.5
Freq. (MHz)	95.3	86.3	463.0	484.0
Limit (dB)	37.4	38.2	24.1	23.6

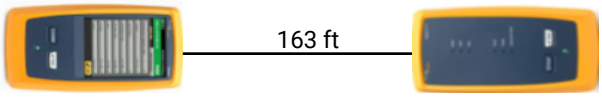
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	8.7	9.6	8.7
Freq. (MHz)	452.0	450.0	452.0	450.0
Limit (dB)	10.2	10.2	10.2	10.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	12.2	11.0	12.4	11.0
Freq. (MHz)	295.0	480.0	480.0	480.0
Limit (dB)	10.9	6.6	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	11.5	9.8	33.0	34.7
Freq. (MHz)	8.6	8.8	458.0	483.0
Limit (dB)	51.6	51.5	-19.9	-21.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.3	10.4	38.9	34.8
Freq. (MHz)	4.3	8.5	499.0	484.0
Limit (dB)	55.8	49.2	-26.0	-24.8

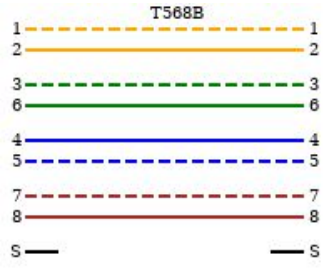
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.2	3.7	8.1	6.2
Freq. (MHz)	13.3	112.5	479.0	415.0
Limit (dB)	18.4	11.5	6.0	6.0

Compliant Network Standards:

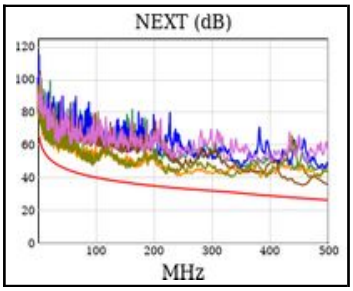
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

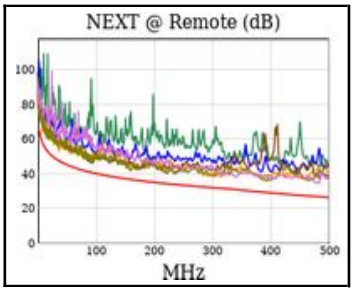


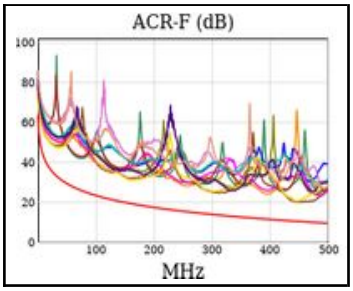
PASS

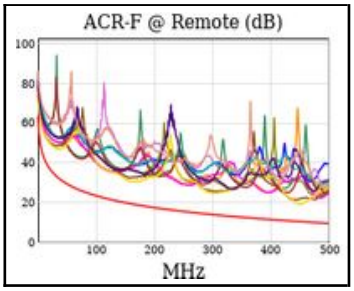


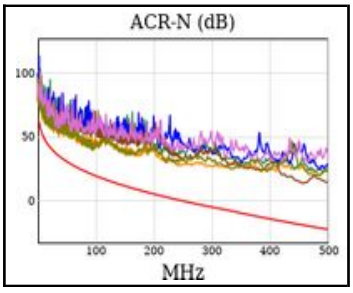


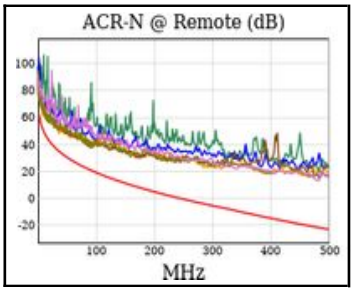


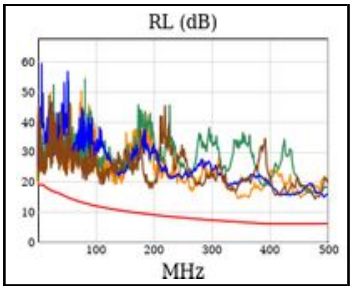


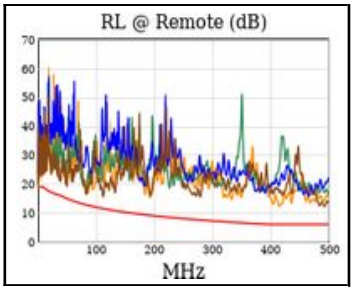












FLUKE networks

LinkWare Live

Cable ID: 106-B

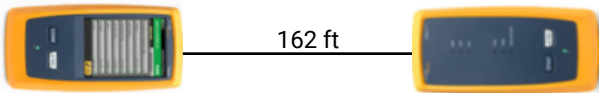
Test Summary: PASS

Date / Time: 12/10/2022 04:07:47 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

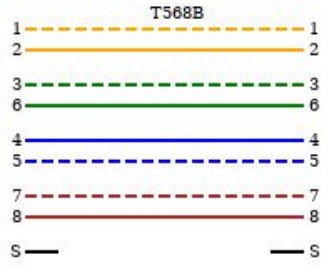
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

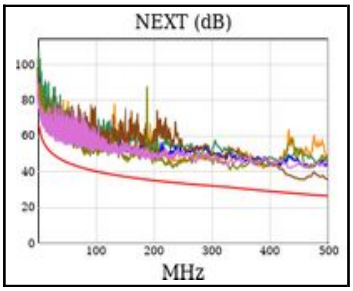
Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	257
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

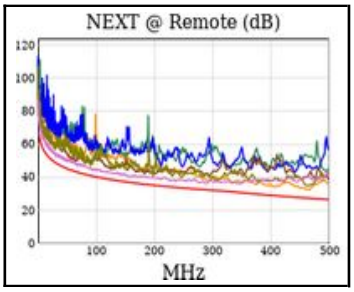


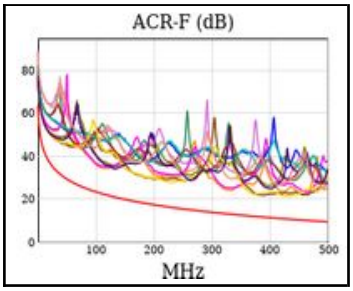
PASS

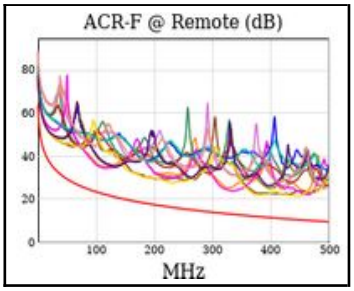


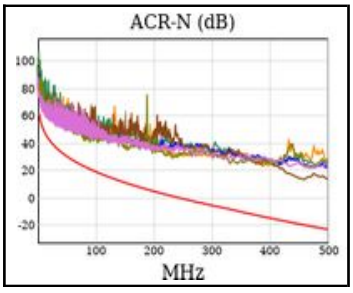


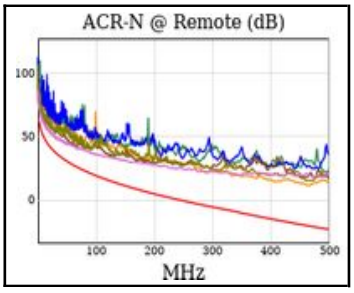


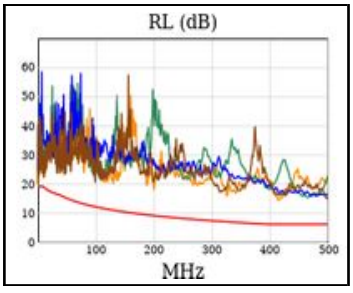


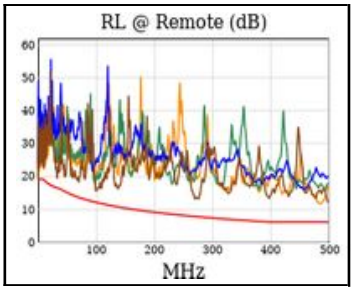












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	3.5	8.1	5.0
Freq. (MHz)	82.0	159.5	459.0	467.0
Limit (dB)	41.4	36.5	27.1	26.9
Worst Pair	7,8	4,5	4,5	3,6
PS NEXT (dB)	8.4	4.9	10.0	5.8
Freq. (MHz)	19.1	68.5	460.0	467.0
Limit (dB)	49.3	39.9	24.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	10.1	10.6	11.1
Freq. (MHz)	389.0	380.0	433.0	451.0
Limit (dB)	11.5	11.7	10.5	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.4	11.1	12.2
Freq. (MHz)	422.0	6.8	424.0	468.0
Limit (dB)	7.8	43.7	7.7	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	9.0	33.3	31.6
Freq. (MHz)	6.3	6.3	460.0	467.0
Limit (dB)	54.8	54.8	-20.0	-20.6
Worst Pair	7,8	4,5	4,5	3,6
PS ACR-N (dB)	11.6	9.4	35.1	32.4
Freq. (MHz)	6.3	3.9	460.0	467.0
Limit (dB)	52.2	56.7	-22.9	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.3	2.9	8.0	5.4
Freq. (MHz)	13.8	33.8	416.0	485.0
Limit (dB)	18.3	16.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-A

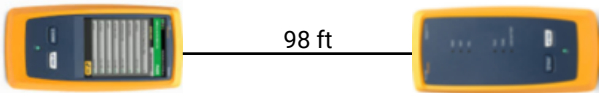
Test Summary: PASS

Date / Time: 11/23/2022 01:08:43 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

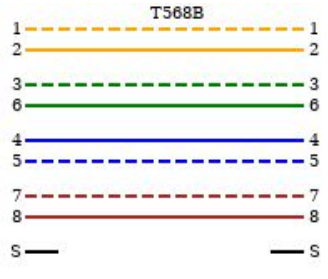
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

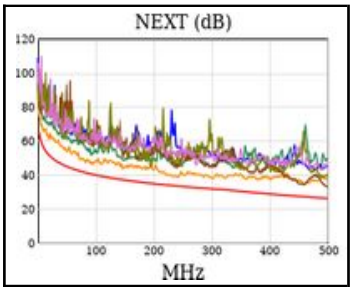
Length (ft), Limit 328	[Pair 1,2]	98
Prop. Delay (ns), Limit 555	[Pair 4,5]	155
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	4.6
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

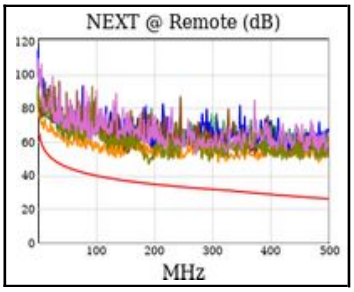


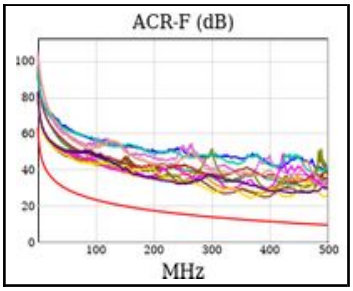
PASS

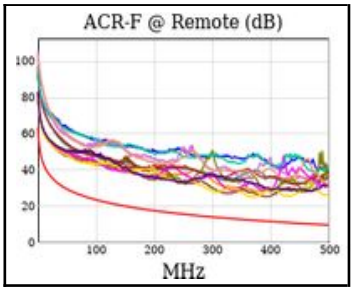


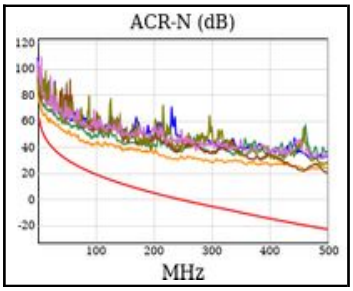


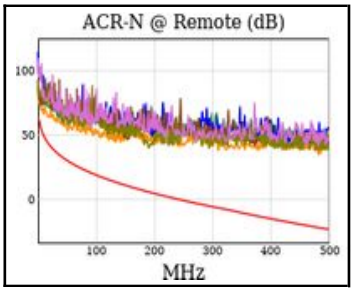


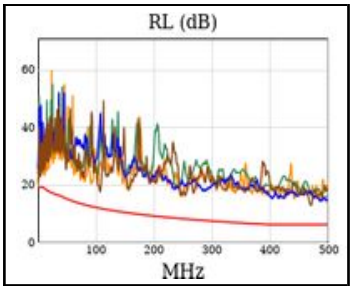


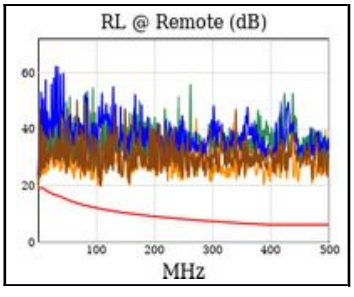












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.3	9.9	6.6	11.6
Freq. (MHz)	242.0	3.1	500.0	191.5
Limit (dB)	33.4	64.8	26.1	35.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	10.2	7.7	21.6
Freq. (MHz)	236.5	3.3	500.0	483.0
Limit (dB)	30.6	62.0	23.2	23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	12.4	12.7	12.5	12.8
Freq. (MHz)	366.0	370.0	370.0	373.0
Limit (dB)	12.0	11.9	11.9	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.1	13.9	13.2	14.0
Freq. (MHz)	369.0	398.0	373.0	399.0
Limit (dB)	8.9	8.3	8.8	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.6	12.7	42.9	55.8
Freq. (MHz)	3.1	3.1	500.0	483.0
Limit (dB)	61.1	61.1	-23.2	-21.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.6	13.1	43.5	56.8
Freq. (MHz)	3.1	3.3	500.0	483.0
Limit (dB)	58.3	58.2	-26.1	-24.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.6	7.8	6.6	7.8
Freq. (MHz)	108.0	108.5	472.0	108.5
Limit (dB)	11.7	11.6	6.0	11.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-B

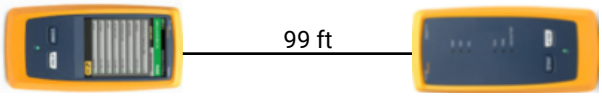
Test Summary: PASS

Date / Time: 11/23/2022 01:38:15 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

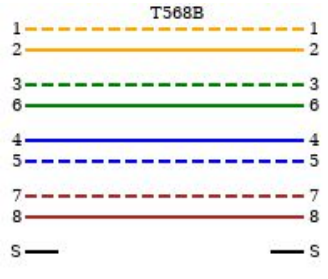
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

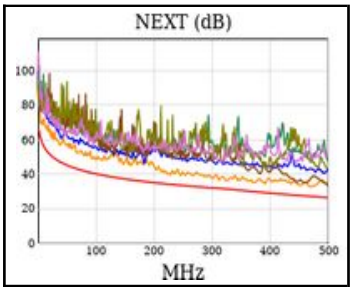
Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	156
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	4.5
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

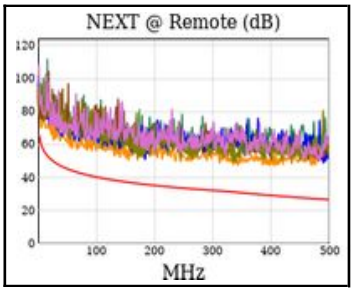


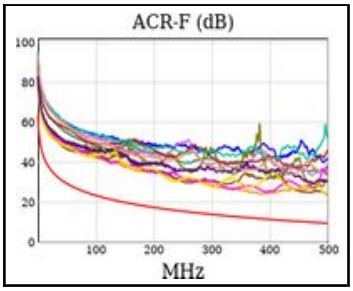
PASS

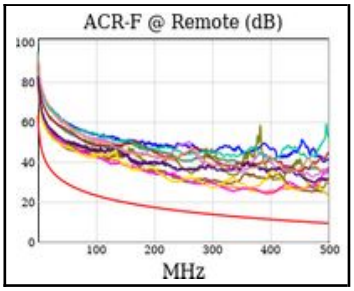


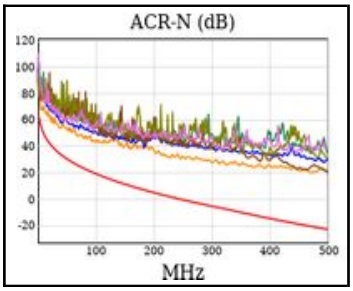


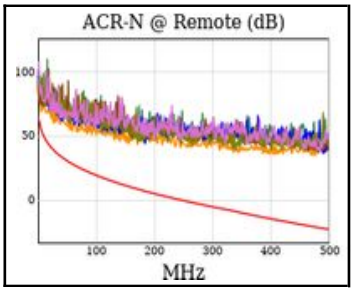


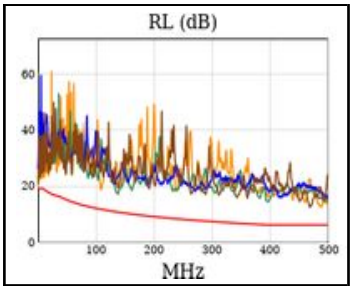


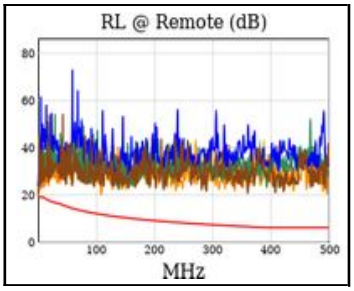












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	4.7	9.5	5.5	17.3
Freq. (MHz)	313.0	6.0	472.0	407.0
Limit (dB)	31.4	60.2	26.8	28.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	10.7	7.2	19.1
Freq. (MHz)	469.0	5.9	500.0	403.0
Limit (dB)	24.0	57.8	23.2	25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	12.3	12.4	14.3	14.3
Freq. (MHz)	386.0	338.0	500.0	500.0
Limit (dB)	11.5	12.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.6	13.6	15.6	15.0
Freq. (MHz)	364.0	337.0	500.0	474.0
Limit (dB)	9.0	9.7	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.2	13.2	42.6	54.9
Freq. (MHz)	5.8	5.8	500.0	478.0
Limit (dB)	55.6	55.6	-23.2	-21.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.9	14.5	43.2	57.0
Freq. (MHz)	5.8	5.9	500.0	478.0
Limit (dB)	53.0	52.8	-26.1	-24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.2	8.3	6.2	13.6
Freq. (MHz)	470.0	109.5	470.0	498.0
Limit (dB)	6.0	11.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-9-A

Test Summary: PASS

Date / Time: 12/18/2022 03:52:14 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	152
Prop. Delay (ns), Limit 555	[Pair 4,5]	240
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.7
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.6	4.7	6.8	6.8
Freq. (MHz)	153.5	88.0	500.0	470.0
Limit (dB)	36.8	40.9	26.1	26.8
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	5.3	5.9	5.3	8.5
Freq. (MHz)	500.0	88.3	500.0	473.0
Limit (dB)	23.2	38.0	23.2	23.9

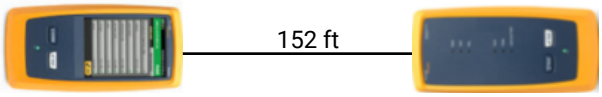
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	10.9	10.1	11.0	10.1
Freq. (MHz)	479.0	483.0	483.0	483.0
Limit (dB)	9.7	9.6	9.6	9.6
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	13.6	11.1	13.7	11.1
Freq. (MHz)	479.0	488.0	482.0	488.0
Limit (dB)	6.7	6.5	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.7	10.5	35.7	35.7
Freq. (MHz)	4.1	4.1	500.0	471.0
Limit (dB)	58.6	58.6	-23.2	-20.9
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.6	9.8	34.3	37.3
Freq. (MHz)	4.4	4.3	500.0	473.0
Limit (dB)	55.6	55.8	-26.1	-24.0

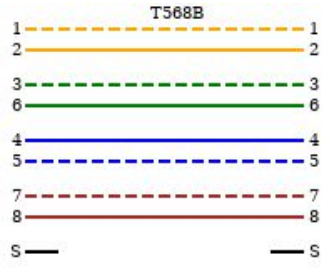
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	5.6	5.6	6.8	5.6
Freq. (MHz)	38.5	497.0	480.0	497.0
Limit (dB)	16.1	6.0	6.0	6.0

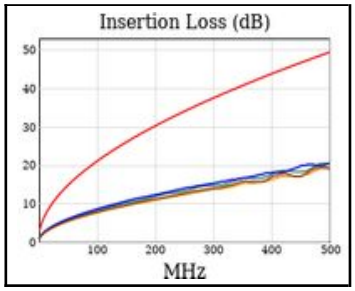
Compliant Network Standards:

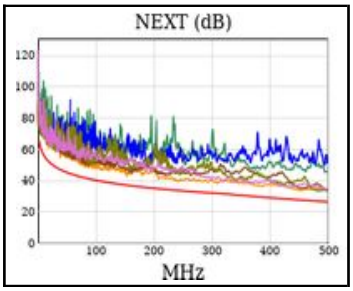
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

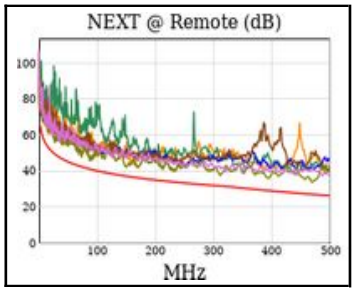


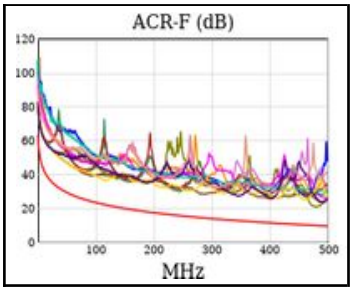
PASS

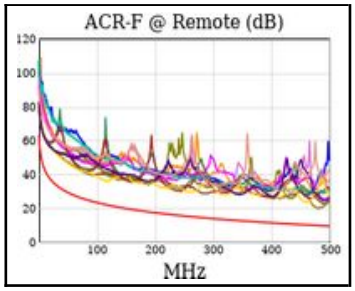


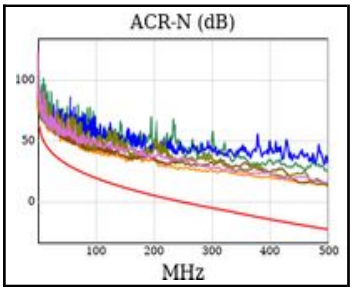


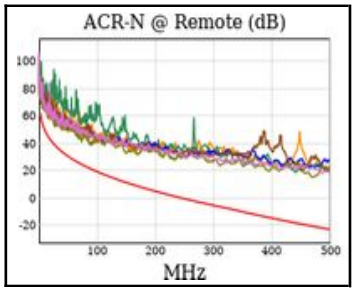


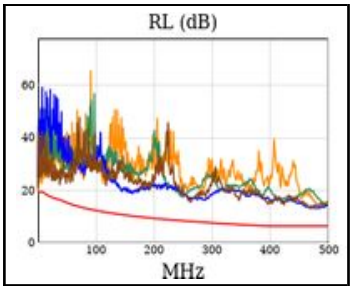


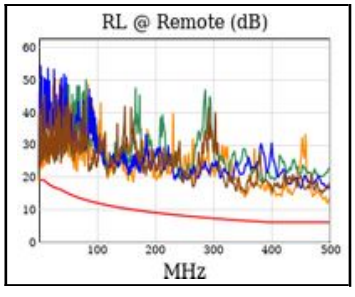












FLUKE networks

LinkWare Live

Cable ID: 106-9-B

Test Summary: PASS

Date / Time: 12/18/2022 03:57:14 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	151
Prop. Delay (ns), Limit 555	[Pair 4,5]	239
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	27.6
Frequency (MHz)	[Pair 3,6]	484.0
Limit (dB)	[Pair 3,6]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.6	4.1	3.6	7.5
Freq. (MHz)	454.0	162.5	454.0	480.0
Limit (dB)	27.2	36.3	27.2	26.6
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.9	6.1	4.9	8.9
Freq. (MHz)	498.0	162.5	498.0	480.0
Limit (dB)	23.3	33.4	23.3	23.7

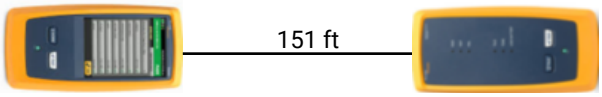
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	10.3	9.0	10.3	9.0
Freq. (MHz)	482.0	482.0	482.0	482.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	12.5	11.0	12.5	11.0
Freq. (MHz)	482.0	482.0	482.0	482.0
Limit (dB)	6.6	6.6	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	9.8	10.3	32.8	36.2
Freq. (MHz)	4.1	4.3	489.0	480.0
Limit (dB)	58.6	58.3	-22.3	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.8	32.5	37.5
Freq. (MHz)	4.1	4.3	484.0	480.0
Limit (dB)	56.1	55.8	-24.8	-24.5

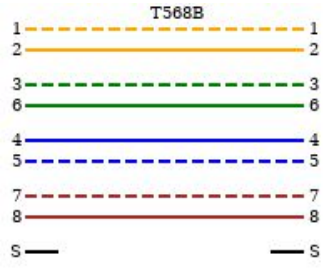
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.6	6.6	4.6	6.6
Freq. (MHz)	473.0	497.0	473.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

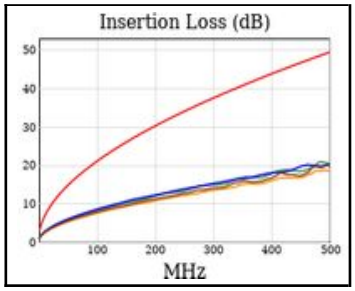
Compliant Network Standards:

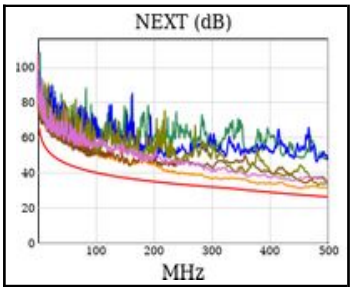
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

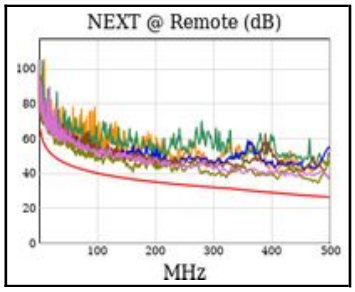


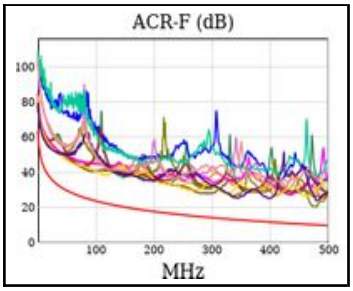
PASS

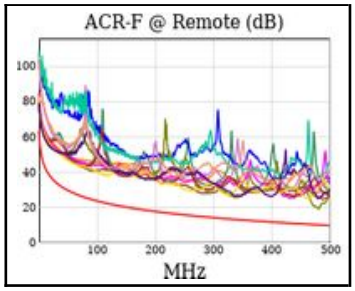


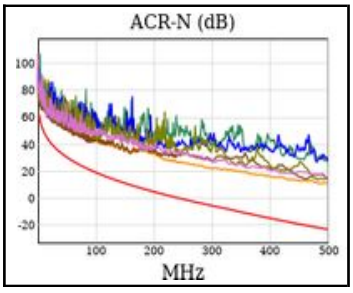


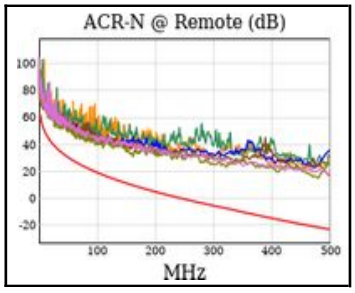


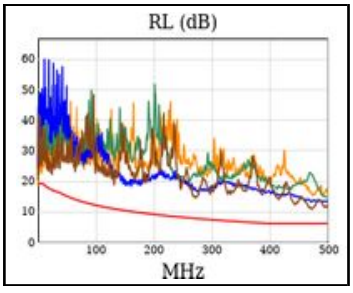


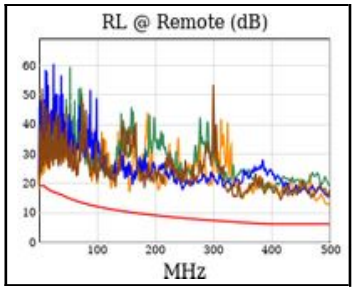












FLUKE networks

LinkWare Live

Cable ID: 106-A

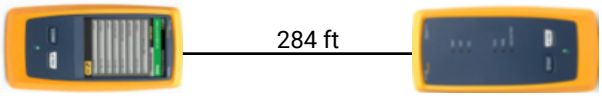
Test Summary: PASS

Date / Time: 11/27/2022 05:53:34 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

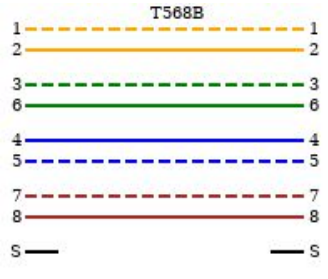
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

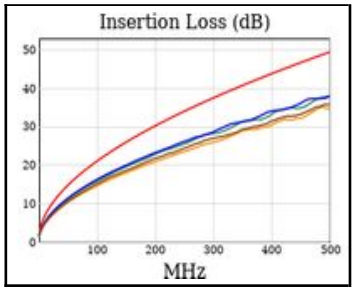
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

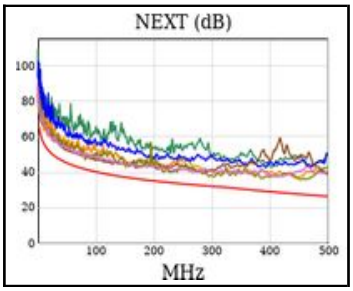
Length (ft), Limit 328	[Pair 1,2]	284
Prop. Delay (ns), Limit 555	[Pair 4,5]	453
Delay Skew (ns), Limit 50	[Pair 4,5]	29
Resistance (ohms)	[Pair 3,6]	13.6
Insertion Loss Margin (dB)	[Pair 3,6]	11.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

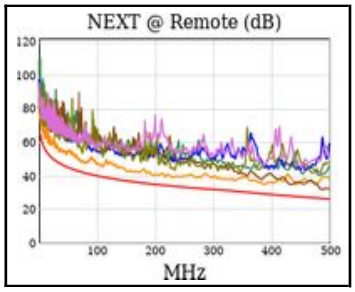


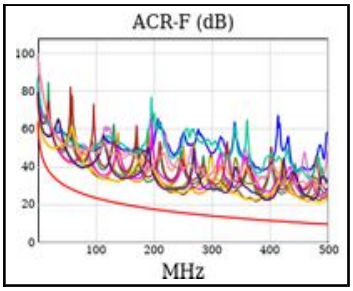
PASS

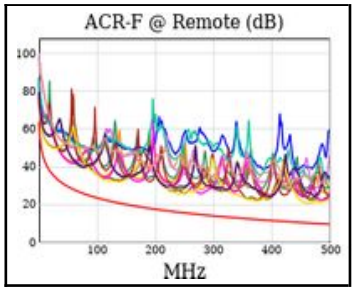


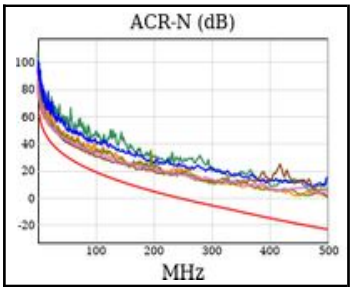


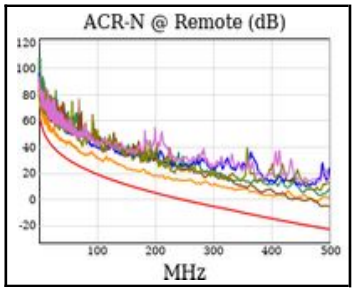


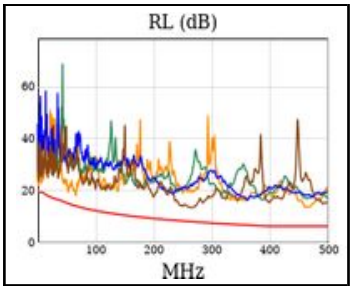


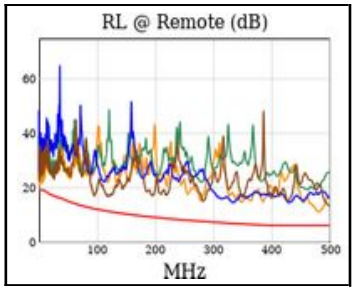












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.2	5.0	8.4	5.4
Freq. (MHz)	82.3	217.5	461.0	486.0
Limit (dB)	41.4	34.2	27.1	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	6.6	8.6	6.9
Freq. (MHz)	304.0	234.0	449.0	485.0
Limit (dB)	28.7	30.7	24.5	23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.6	11.0	10.6
Freq. (MHz)	377.0	240.0	484.0	464.0
Limit (dB)	11.7	15.7	9.6	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.1	11.6	11.7
Freq. (MHz)	398.0	229.0	484.0	484.0
Limit (dB)	8.3	13.1	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.3	7.5	23.6	17.5
Freq. (MHz)	5.9	10.6	500.0	499.0
Limit (dB)	55.3	49.5	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.8	8.6	23.0	17.9
Freq. (MHz)	3.4	5.8	500.0	485.0
Limit (dB)	57.9	53.0	-26.1	-24.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.5	2.4	5.3	5.1
Freq. (MHz)	6.4	6.4	265.0	483.0
Limit (dB)	19.0	19.0	7.8	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

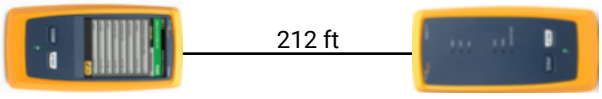
Test Summary: PASS

Date / Time: 12/17/2022 03:43:43 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

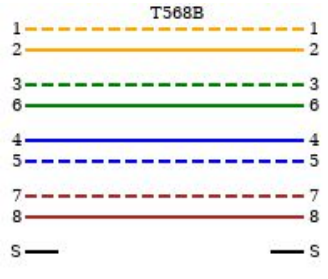
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

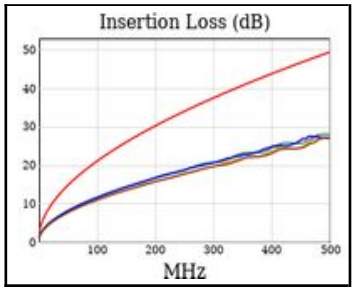
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

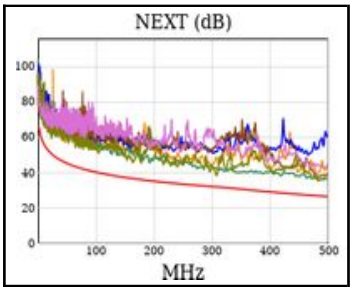
Length (ft), Limit 328	[Pair 7,8]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	330
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	21.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

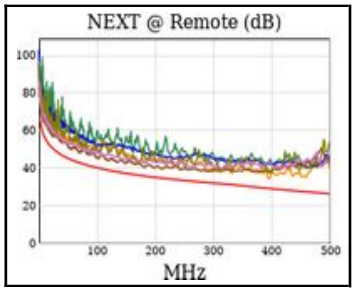


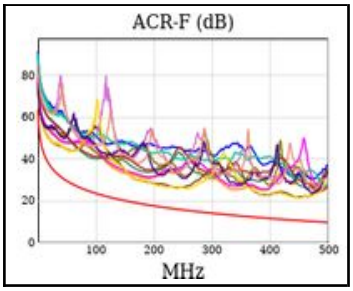
PASS

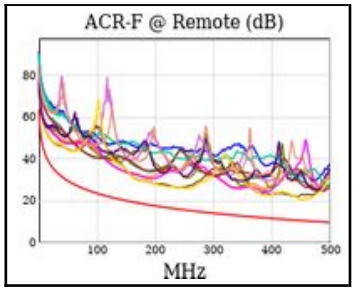


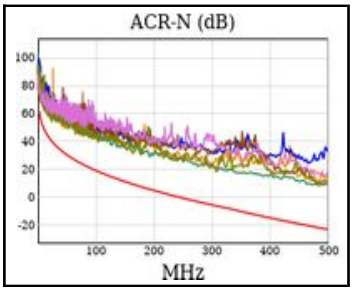


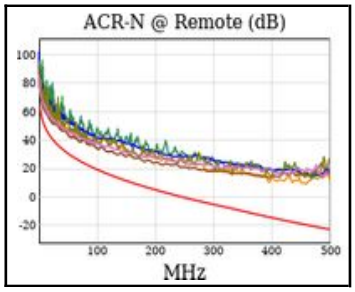


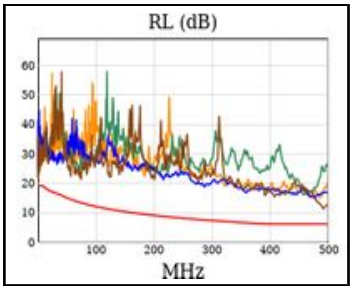


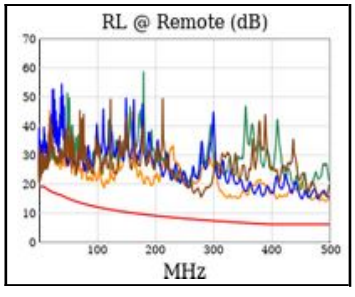












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
NEXT (dB)	6.3	4.7	8.5	5.1
Freq. (MHz)	309.0	198.0	485.0	396.0
Limit (dB)	31.5	34.9	26.5	28.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.4	4.6	8.5	5.4
Freq. (MHz)	24.5	172.5	484.0	397.0
Limit (dB)	47.5	33.0	23.6	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.8	10.8	9.8
Freq. (MHz)	223.0	453.0	453.0	453.0
Limit (dB)	16.3	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.8	11.0	12.2	11.8
Freq. (MHz)	5.3	397.0	473.0	464.0
Limit (dB)	45.9	8.3	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	10.7	8.3	30.2	28.6
Freq. (MHz)	3.1	6.0	485.0	460.0
Limit (dB)	61.1	55.1	-22.0	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	8.4	29.0	29.7
Freq. (MHz)	4.6	4.5	484.0	460.0
Limit (dB)	55.1	55.3	-24.8	-22.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.2	5.5	5.2	7.9
Freq. (MHz)	493.0	8.8	493.0	495.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-B

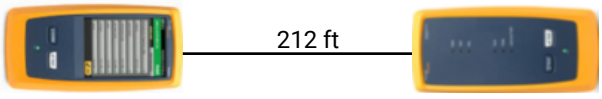
Test Summary: PASS

Date / Time: 12/17/2022 03:45:57 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

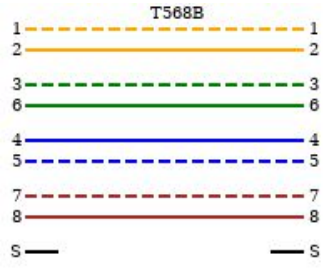
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

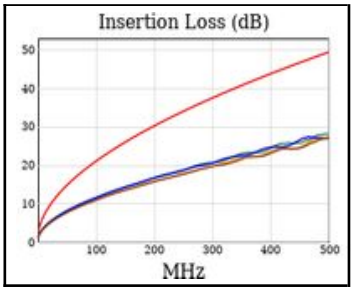
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	330
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	21.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

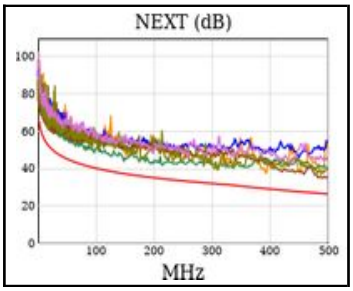


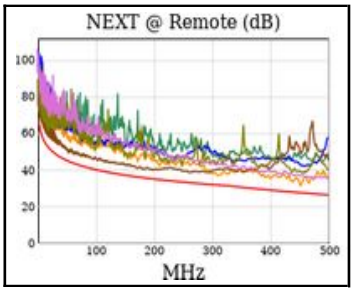
PASS



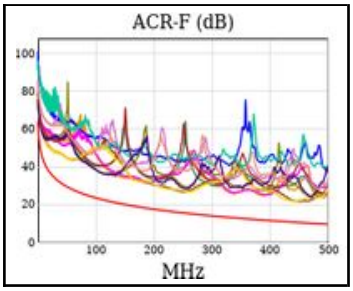


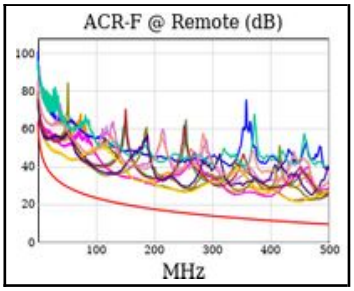
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.5	3.7	8.2	3.7
Freq. (MHz)	149.5	452.0	491.0	452.0
Limit (dB)	37.0	27.3	26.3	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.5	5.8	7.9	5.9
Freq. (MHz)	4.6	209.5	489.0	452.0
Limit (dB)	59.5	31.5	23.5	24.4



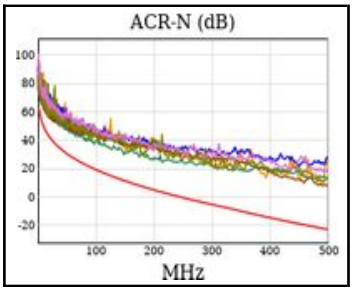


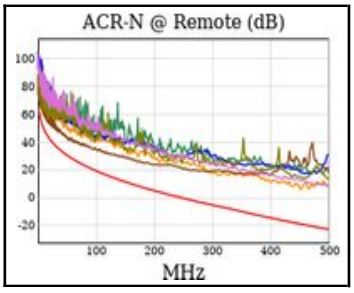
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	11.0	10.8	11.2	10.9
Freq. (MHz)	248.5	452.0	455.0	455.0
Limit (dB)	15.4	10.2	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	13.0	12.4
Freq. (MHz)	3.6	1.5	481.0	475.0
Limit (dB)	49.1	56.7	6.6	6.7



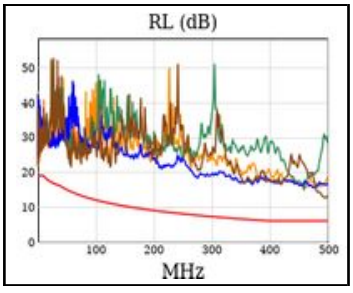


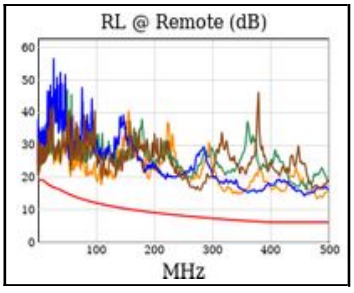
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	7.9	30.6	24.7
Freq. (MHz)	3.0	3.0	498.0	452.0
Limit (dB)	61.4	61.4	-23.1	-19.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	9.0	28.7	26.9
Freq. (MHz)	4.6	4.6	489.0	452.0
Limit (dB)	55.1	55.1	-25.2	-22.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.5	5.2	6.5	7.2
Freq. (MHz)	496.0	10.4	496.0	481.0
Limit (dB)	6.0	18.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

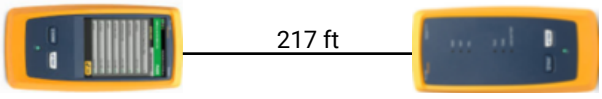
Test Summary: PASS

Date / Time: 11/25/2022 02:02:13 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

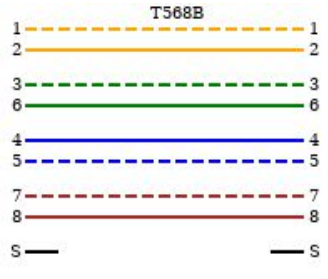
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	217
Prop. Delay (ns), Limit 555	[Pair 3,6]	337
Delay Skew (ns), Limit 50	[Pair 3,6]	13
Resistance (ohms)	[Pair 7,8]	10.4
Insertion Loss Margin (dB)	[Pair 4,5]	19.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

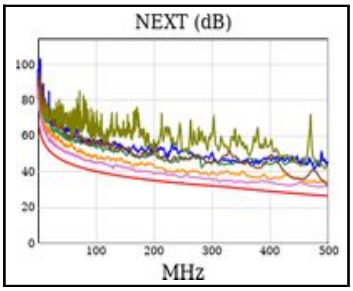


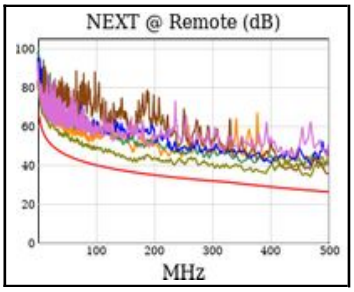
PASS



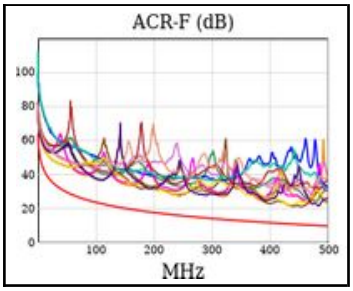


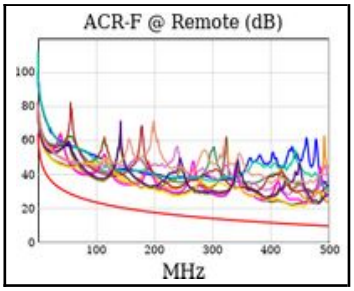
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	4,5-7,8	3,6-7,8
NEXT (dB)	2.6	5.2	4.5	7.1
Freq. (MHz)	313.0	163.0	483.0	469.0
Limit (dB)	31.4	36.3	26.5	26.9
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	4.8	7.0	5.6	8.1
Freq. (MHz)	313.0	163.5	500.0	469.0
Limit (dB)	28.4	33.4	23.2	24.0



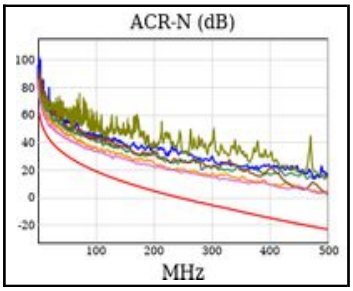


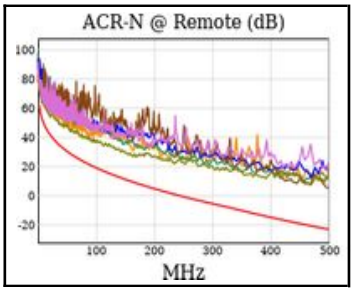
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.7	10.7	10.8
Freq. (MHz)	441.0	441.0	456.0	457.0
Limit (dB)	10.4	10.4	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	12.4	12.3
Freq. (MHz)	1.9	5.0	472.0	470.0
Limit (dB)	54.8	46.3	6.8	6.8



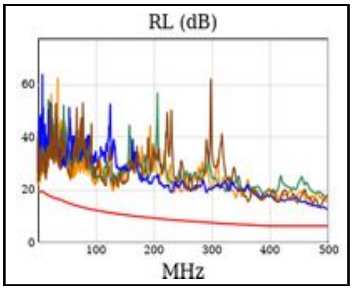


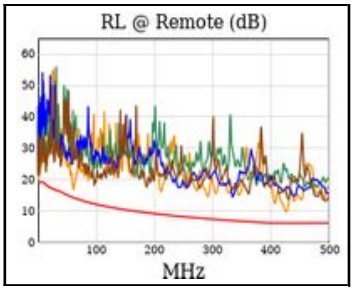
N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.0	10.1	25.1	28.2
Freq. (MHz)	19.9	7.4	500.0	500.0
Limit (dB)	42.6	53.2	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.7	9.6	24.6	27.1
Freq. (MHz)	4.6	4.5	500.0	470.0
Limit (dB)	55.1	55.3	-26.1	-23.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	5.5	2.7	6.6	3.5
Freq. (MHz)	14.6	62.8	499.0	428.0
Limit (dB)	18.2	14.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

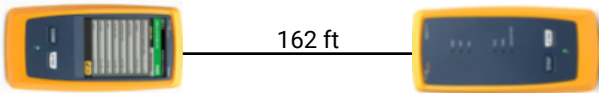
Test Summary: PASS

Date / Time: 11/26/2022 02:31:27 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

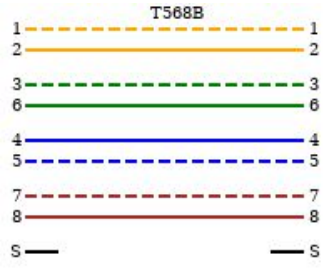
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

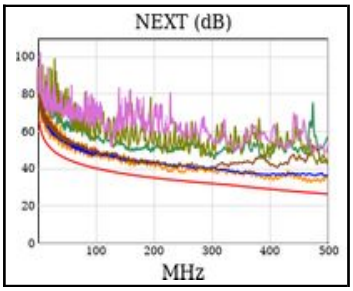
Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 3,6]	251
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	26.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

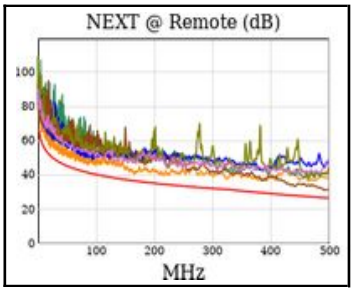


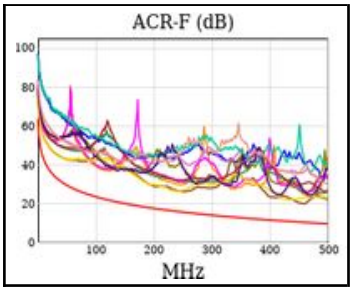
PASS

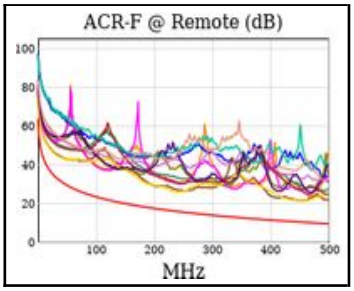


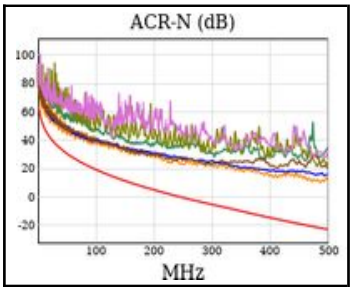


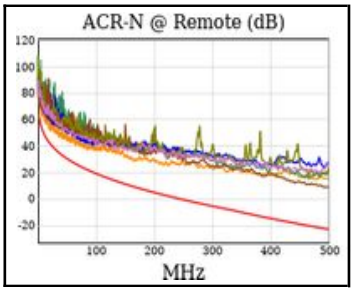


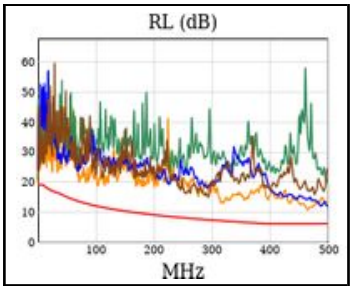


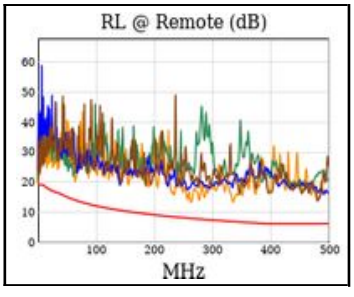












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	4.0	5.4	4.3
Freq. (MHz)	226.0	167.5	472.0	493.0
Limit (dB)	33.9	36.1	26.8	26.3
Worst Pair	3,6	1,2	1,2	3,6
PS NEXT (dB)	5.1	5.9	6.7	6.2
Freq. (MHz)	226.0	167.5	465.0	494.0
Limit (dB)	30.9	33.2	24.1	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.7	9.6	10.9
Freq. (MHz)	461.0	240.0	461.0	459.0
Limit (dB)	10.0	15.7	10.0	10.0
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.5	11.4	11.5	11.6
Freq. (MHz)	472.0	240.0	472.0	462.0
Limit (dB)	6.8	12.7	6.8	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.3	8.3	31.9	31.2
Freq. (MHz)	6.5	6.3	487.0	494.0
Limit (dB)	54.4	54.8	-22.2	-22.7
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	9.8	10.3	34.4	32.4
Freq. (MHz)	6.4	6.4	488.0	494.0
Limit (dB)	52.0	52.0	-25.1	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.5	5.3	4.5	5.3
Freq. (MHz)	466.0	264.0	466.0	264.0
Limit (dB)	6.0	7.8	6.0	7.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-B

Test Summary: PASS

Date / Time: 11/26/2022 02:31:54 PM
Headroom: 1.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 3,6]	251
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.3	3.8	5.3	6.2
Freq. (MHz)	241.5	73.8	405.0	497.0
Limit (dB)	33.4	42.2	28.6	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.7	6.2	8.5	8.0
Freq. (MHz)	241.5	73.5	500.0	500.0
Limit (dB)	30.4	39.4	23.2	23.2

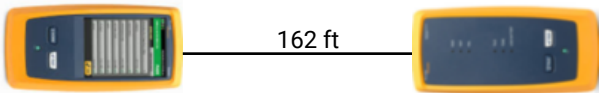
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.7	10.7	10.8
Freq. (MHz)	384.0	447.0	443.0	449.0
Limit (dB)	11.6	10.3	10.3	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	10.7	12.2	10.9
Freq. (MHz)	7.5	411.0	447.0	419.0
Limit (dB)	42.8	8.0	7.3	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	6.5	7.1	33.7	33.4
Freq. (MHz)	4.3	4.3	483.0	500.0
Limit (dB)	58.3	58.3	-21.9	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	9.2	34.8	34.1
Freq. (MHz)	4.3	4.4	500.0	499.0
Limit (dB)	55.8	55.6	-26.1	-26.0

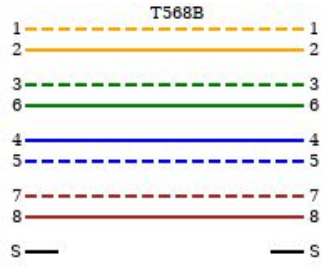
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.9	5.2	5.5	5.4
Freq. (MHz)	111.5	244.0	484.0	266.0
Limit (dB)	11.5	8.1	6.0	7.8

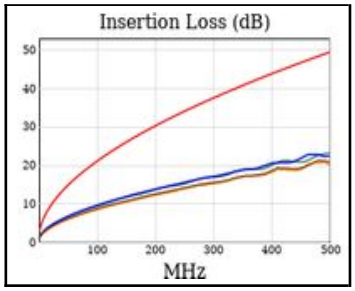
Compliant Network Standards:

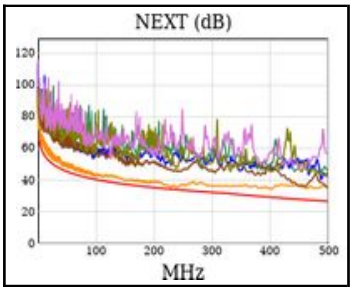
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

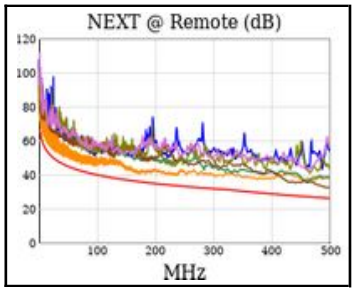


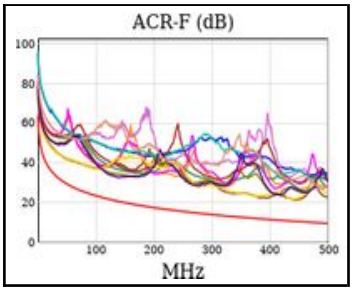
PASS

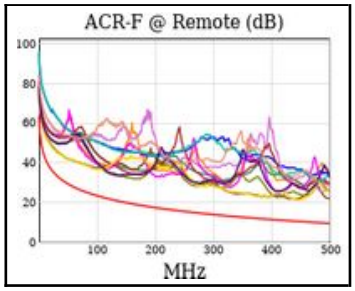


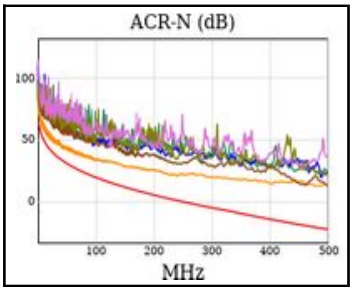


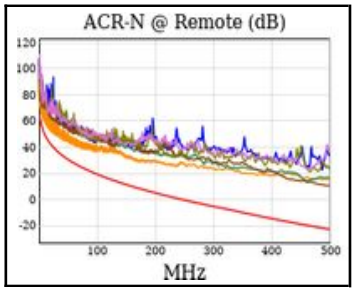


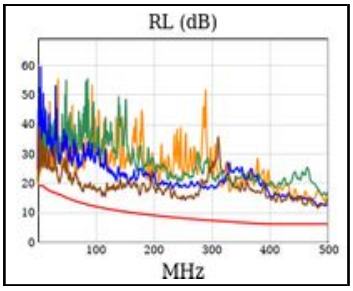


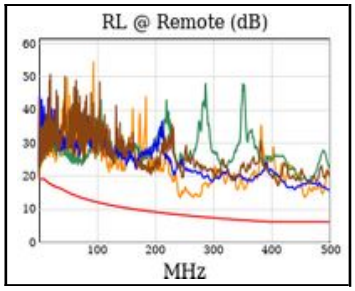












FLUKE networks

LinkWare Live

Cable ID: 107-1-A

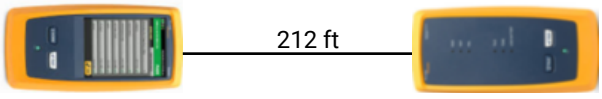
Test Summary: PASS

Date / Time: 12/04/2022 04:51:49 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

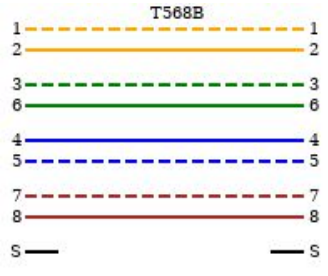
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

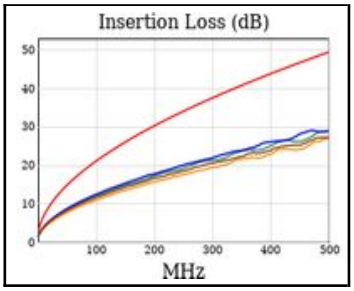
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	338
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 7,8]	15.8
Insertion Loss Margin (dB)	[Pair 4,5]	18.8
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

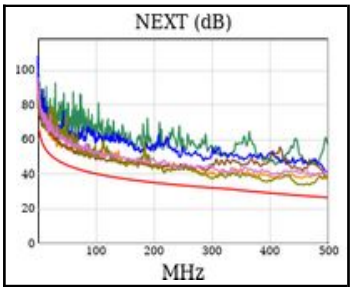


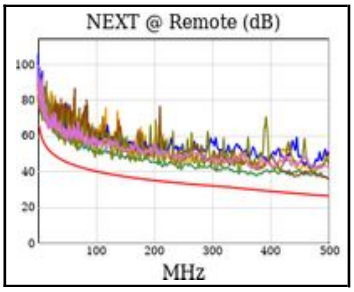
PASS



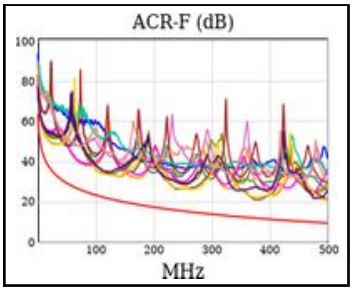


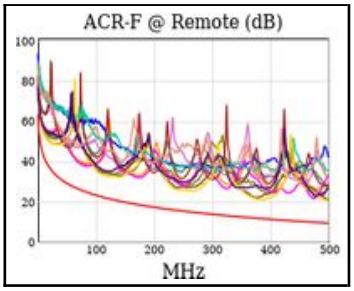
PASS	MAIN	SR	MAIN	SR
		Worst Case Margin		Worst Case Value
Worst Pair	3,6-7,8	1,2-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.2	7.6	6.5	9.2
Freq. (MHz)	298.0	247.5	469.0	500.0
Limit (dB)	31.8	33.2	26.9	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.0	8.3	7.2	8.7
Freq. (MHz)	298.0	376.0	457.0	500.0
Limit (dB)	28.8	26.5	24.3	23.2



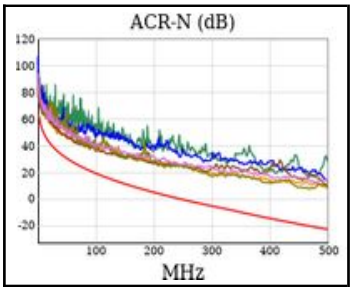


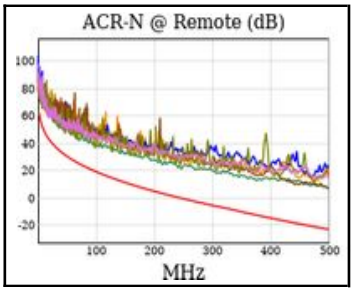
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.2	9.3	11.4	11.2
Freq. (MHz)	380.0	386.0	499.0	499.0
Limit (dB)	11.7	11.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.7	11.1	12.1
Freq. (MHz)	254.0	254.0	487.0	481.0
Limit (dB)	12.2	12.2	6.5	6.6



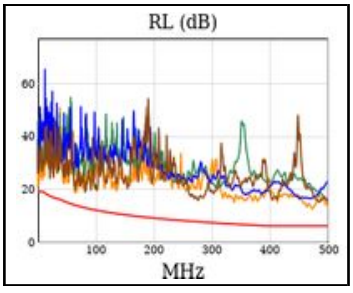


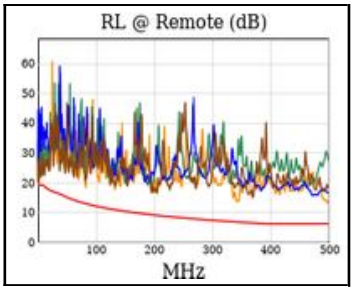
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.1	11.3	27.9	29.6
Freq. (MHz)	3.0	3.1	469.0	500.0
Limit (dB)	61.4	61.1	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.9	11.7	30.3	29.1
Freq. (MHz)	3.0	4.6	500.0	500.0
Limit (dB)	58.4	55.1	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.4	3.0	6.5	7.0
Freq. (MHz)	8.9	6.9	475.0	498.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-1-B

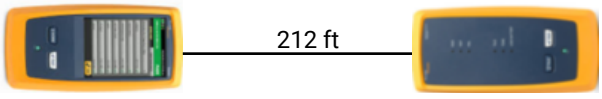
Test Summary: PASS

Date / Time: 12/04/2022 04:56:13 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

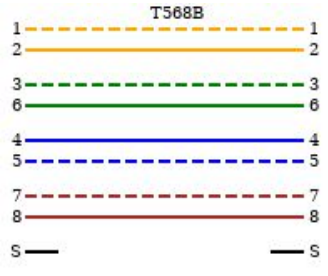
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

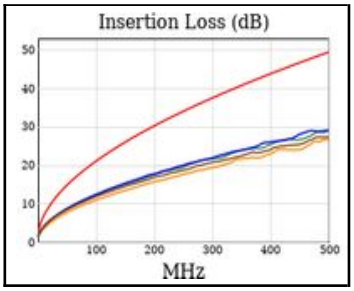
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	338
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	18.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

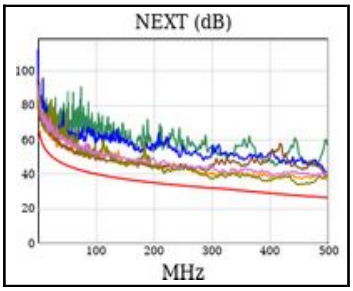


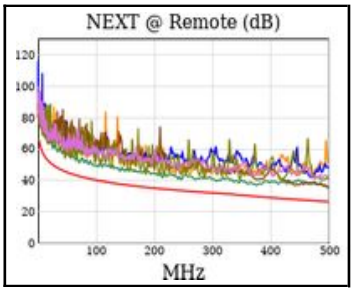
PASS



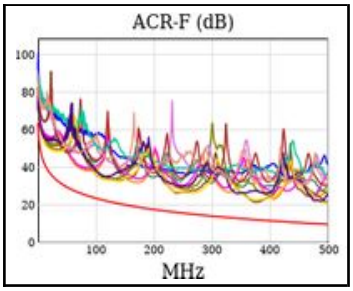


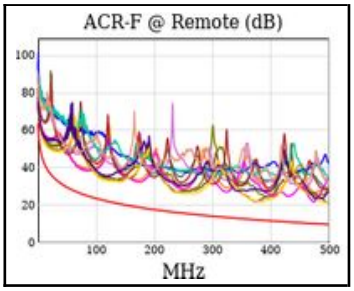
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	5.2	6.8	6.4	8.8
Freq. (MHz)	298.0	247.0	450.0	500.0
Limit (dB)	31.8	33.2	27.3	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.0	7.9	7.4	8.2
Freq. (MHz)	298.0	376.0	457.0	500.0
Limit (dB)	28.8	26.5	24.3	23.2



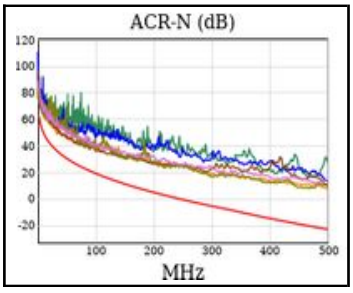


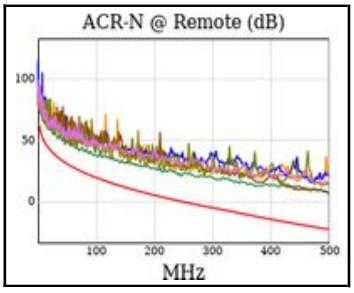
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.3	9.8	11.3	11.6
Freq. (MHz)	376.0	376.0	495.0	500.0
Limit (dB)	11.8	11.8	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	11.1	12.2
Freq. (MHz)	1.6	5.0	493.0	477.0
Limit (dB)	56.0	46.3	6.4	6.7



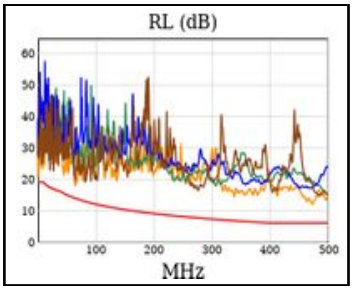


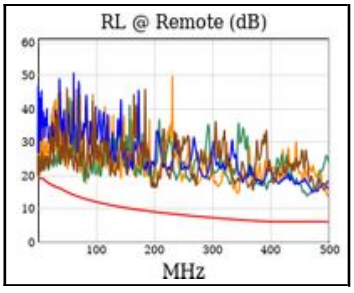
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	9.7	11.9	30.5	29.2
Freq. (MHz)	2.9	3.0	500.0	500.0
Limit (dB)	61.4	61.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.2	12.0	29.8	28.6
Freq. (MHz)	4.4	4.4	499.0	500.0
Limit (dB)	55.6	55.6	-26.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.1	2.2	6.0	7.6
Freq. (MHz)	65.3	6.9	475.0	499.0
Limit (dB)	13.9	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-2-A

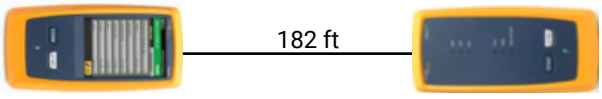
Test Summary: PASS

Date / Time: 12/04/2022 04:41:59 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

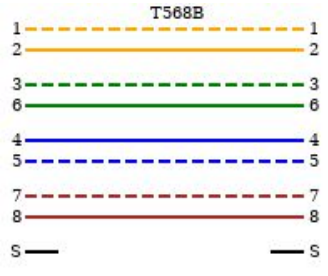
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	289
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	24.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.5	8.1	6.3	8.7
Freq. (MHz)	176.5	445.0	396.0	495.0
Limit (dB)	35.7	27.5	28.9	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.2	9.2	6.6	9.5
Freq. (MHz)	182.0	3.6	392.0	470.0
Limit (dB)	32.6	61.2	26.0	23.9

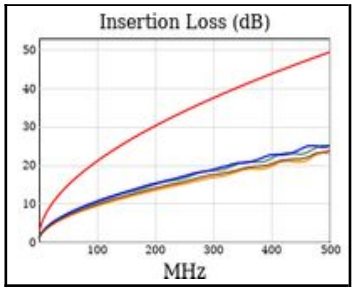
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.3	10.6	10.4
Freq. (MHz)	314.0	316.0	489.0	478.0
Limit (dB)	13.3	13.3	9.5	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.8	10.6	10.8
Freq. (MHz)	471.0	472.0	471.0	472.0
Limit (dB)	6.8	6.8	6.8	6.8

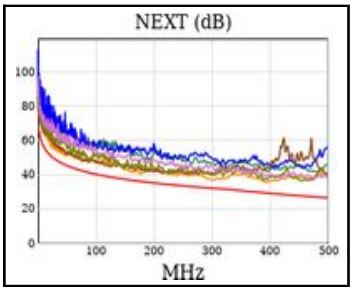
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.3	12.2	33.8	33.3
Freq. (MHz)	3.3	3.3	470.0	500.0
Limit (dB)	60.7	60.7	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	11.2	33.6	34.7
Freq. (MHz)	3.5	3.6	474.0	496.0
Limit (dB)	57.6	57.3	-24.0	-25.8

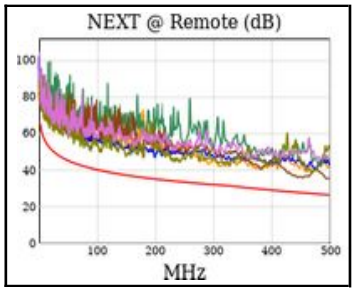
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.2	5.9	5.9	7.9
Freq. (MHz)	73.5	12.3	481.0	491.0
Limit (dB)	13.3	18.6	6.0	6.0

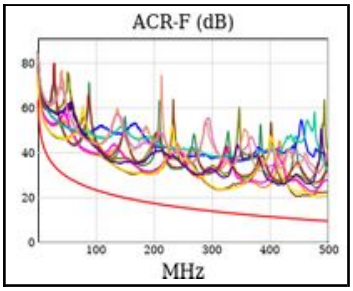
Compliant Network Standards:

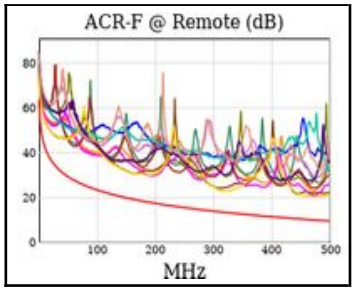
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

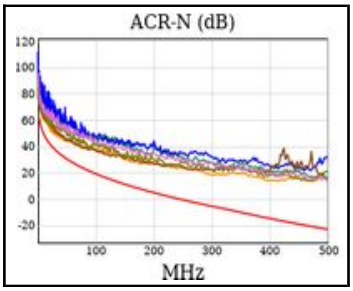


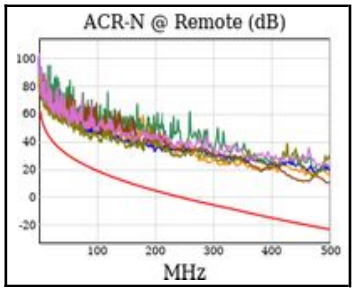


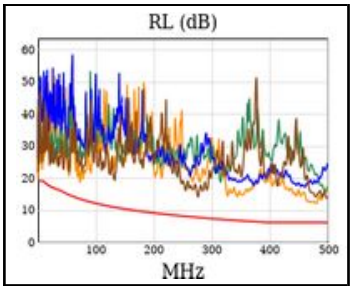


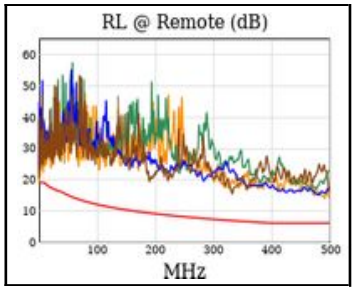












FLUKE networks

LinkWare Live

Cable ID: 107-2-B

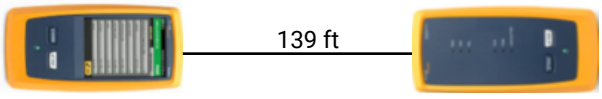
Test Summary: PASS

Date / Time: 12/04/2022 05:44:21 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

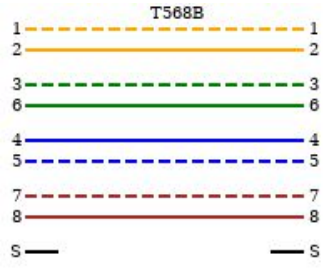
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

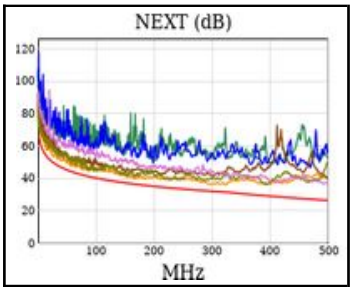
Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	19.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

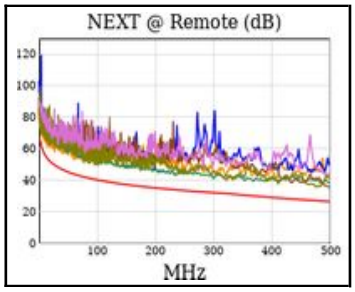


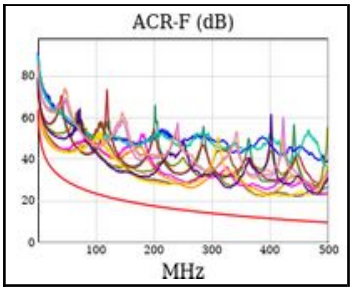
PASS

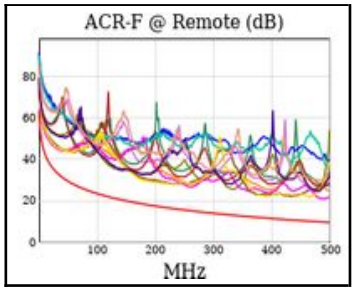


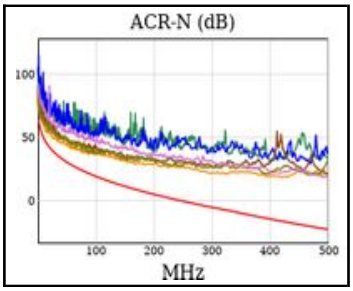


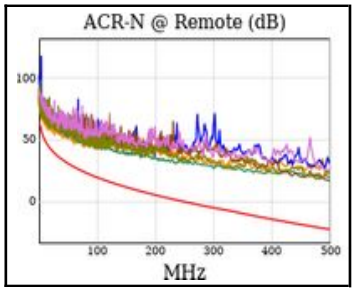


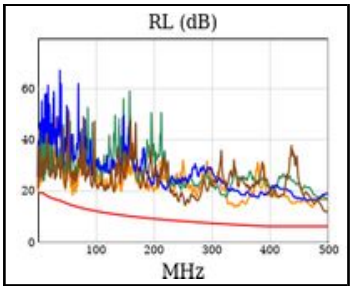


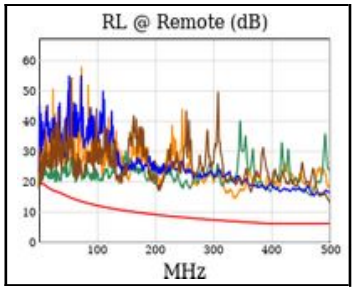












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-7,8
NEXT (dB)	3.3	6.3	7.0	8.5
Freq. (MHz)	78.5	5.0	397.0	478.0
Limit (dB)	41.7	61.5	28.8	26.6
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	2.8	5.8	6.7	9.8
Freq. (MHz)	88.3	5.0	395.0	500.0
Limit (dB)	38.0	59.0	25.9	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	4,5-3,6	1,2-3,6
ACR-F (dB)	9.2	9.9	11.1	11.1
Freq. (MHz)	9.0	9.0	423.0	490.0
Limit (dB)	44.2	44.2	10.7	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.4	9.9	12.5	12.3
Freq. (MHz)	9.1	3.4	485.0	482.0
Limit (dB)	41.1	49.7	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	7.1	8.7	41.1	39.3
Freq. (MHz)	4.5	5.0	500.0	500.0
Limit (dB)	57.8	56.9	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	6.6	8.3	41.4	39.9
Freq. (MHz)	4.5	5.0	500.0	500.0
Limit (dB)	55.3	54.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	4.0	3.0	5.5	7.0
Freq. (MHz)	60.5	17.1	498.0	500.0
Limit (dB)	14.2	17.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-3-A

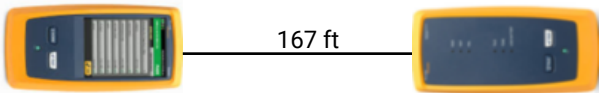
Test Summary: PASS

Date / Time: 12/04/2022 04:35:12 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

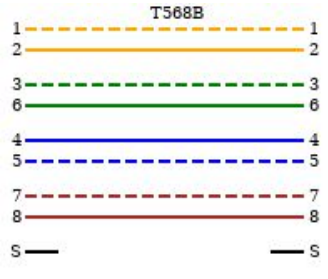
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

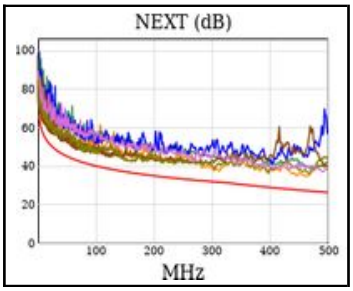
Length (ft), Limit 328	[Pair 1,2]	167
Prop. Delay (ns), Limit 555	[Pair 4,5]	265
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	16.7
Insertion Loss Margin (dB)	[Pair 4,5]	25.0
Frequency (MHz)	[Pair 4,5]	484.0
Limit (dB)	[Pair 4,5]	48.4

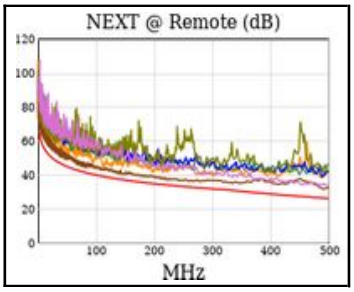


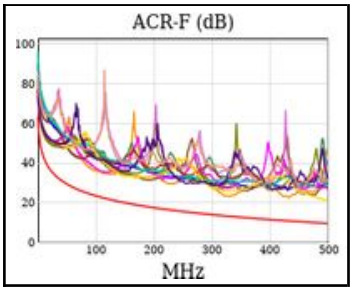
PASS

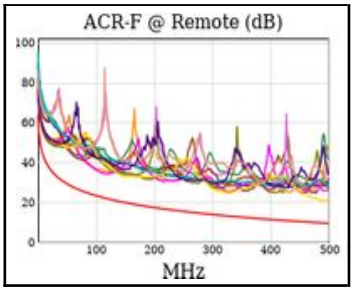


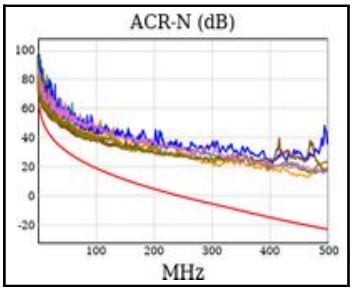


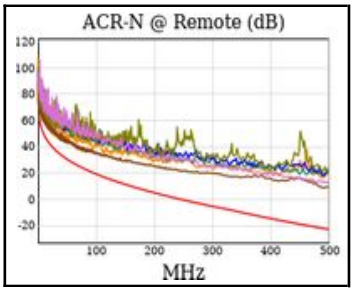


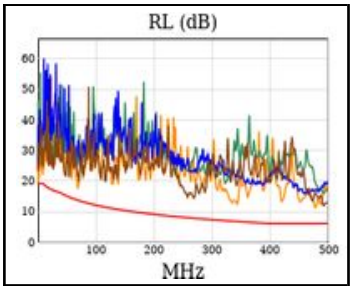


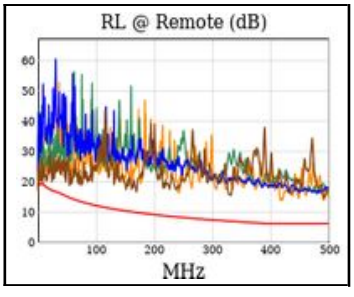












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	2.9	7.5	5.2
Freq. (MHz)	3.8	223.5	464.0	493.0
Limit (dB)	63.5	34.0	27.0	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.0	4.4	8.2	5.9
Freq. (MHz)	79.0	217.5	465.0	493.0
Limit (dB)	38.8	31.2	24.1	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	7,8-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.7	11.7	11.1
Freq. (MHz)	331.0	4.1	498.0	495.0
Limit (dB)	12.9	50.9	9.3	9.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.5	10.6	12.9	13.0
Freq. (MHz)	323.0	8.5	432.0	487.0
Limit (dB)	10.1	41.7	7.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	6.0	5.8	33.5	31.0
Freq. (MHz)	3.8	3.8	466.0	493.0
Limit (dB)	59.5	59.5	-20.5	-22.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.4	7.1	34.3	31.6
Freq. (MHz)	3.8	3.9	467.0	493.0
Limit (dB)	57.0	56.7	-23.5	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	3.8	2.0	5.0	7.3
Freq. (MHz)	69.5	15.0	479.0	421.0
Limit (dB)	13.6	18.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-3-B

Test Summary: PASS

Date / Time: 12/04/2022 04:34:32 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	168
Prop. Delay (ns), Limit 555	[Pair 4,5]	267
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	16.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.1	3.3	8.0	5.9
Freq. (MHz)	160.0	168.5	466.0	494.0
Limit (dB)	36.4	36.1	26.9	26.2
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.2	5.1	7.2	6.2
Freq. (MHz)	3.8	230.5	465.0	496.0
Limit (dB)	61.0	30.8	24.1	23.3

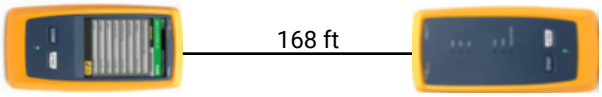
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	10.3	10.4	12.8	15.0
Freq. (MHz)	4.3	4.3	500.0	500.0
Limit (dB)	50.7	50.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	10.7	13.9	15.5
Freq. (MHz)	6.5	8.1	500.0	485.0
Limit (dB)	44.0	42.1	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	7.1	7.0	36.5	31.6
Freq. (MHz)	3.8	3.8	500.0	494.0
Limit (dB)	59.5	59.5	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.4	7.4	32.9	32.1
Freq. (MHz)	3.8	3.8	465.0	496.0
Limit (dB)	57.0	57.0	-23.3	-25.8

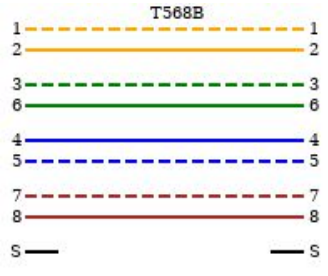
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.3	2.5	6.0	8.3
Freq. (MHz)	57.3	12.8	490.0	432.0
Limit (dB)	14.4	18.5	6.0	6.0

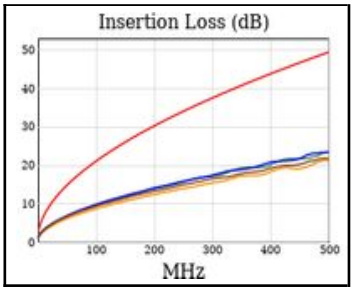
Compliant Network Standards:

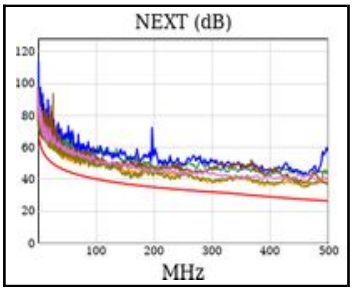
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

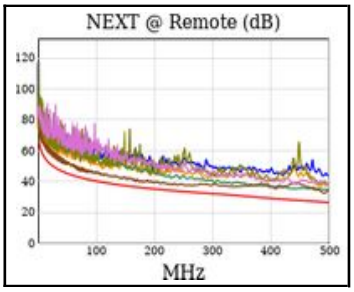


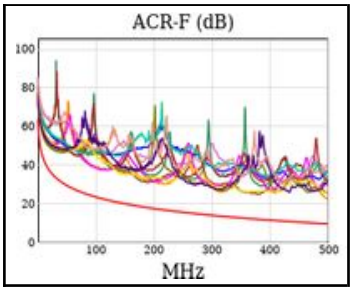
PASS

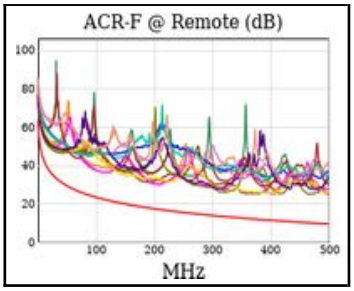


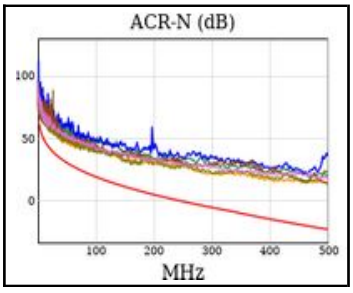


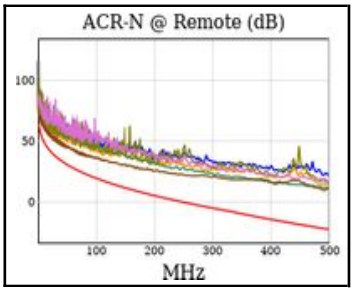


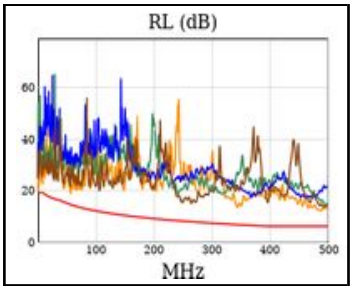


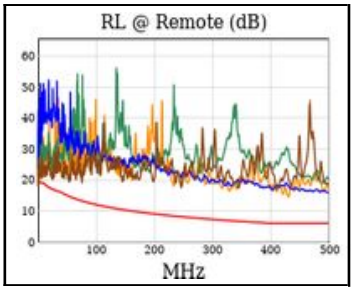












FLUKE networks

LinkWare Live

Cable ID: 106-B

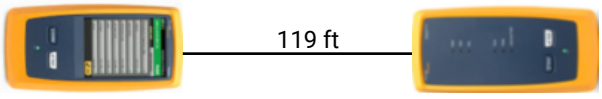
Test Summary: PASS

Date / Time: 11/27/2022 12:03:37 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

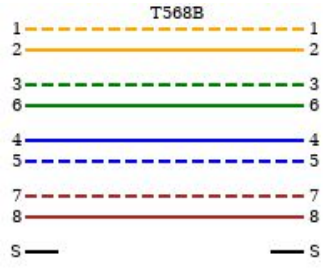
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

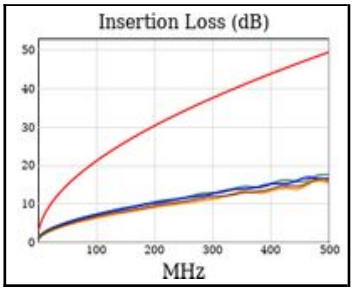
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	119
Prop. Delay (ns), Limit 555	[Pair 4,5]	188
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	15.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

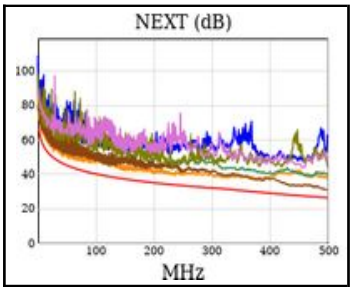


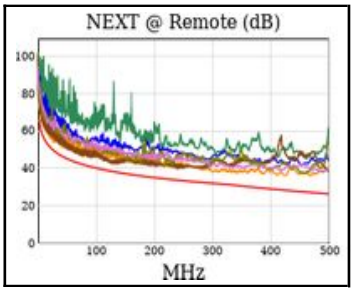
PASS



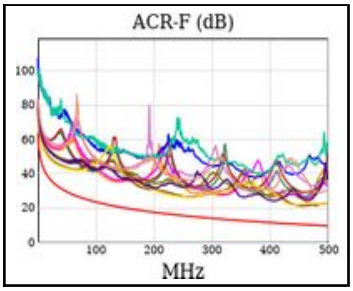


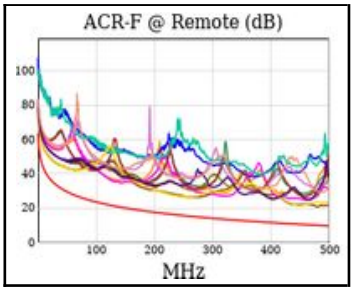
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	3.9	4.4	8.6
Freq. (MHz)	27.3	128.0	499.0	469.0
Limit (dB)	49.4	38.1	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.5	4.1	6.4	9.5
Freq. (MHz)	27.4	63.5	500.0	469.0
Limit (dB)	46.7	40.5	23.2	24.0



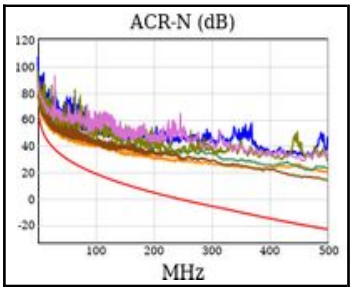


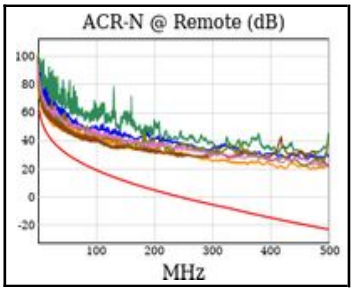
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.7	10.7	10.8
Freq. (MHz)	457.0	452.0	457.0	482.0
Limit (dB)	10.1	10.2	10.1	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.5	12.0	11.6
Freq. (MHz)	262.0	272.0	463.0	466.0
Limit (dB)	11.9	11.6	6.9	6.9



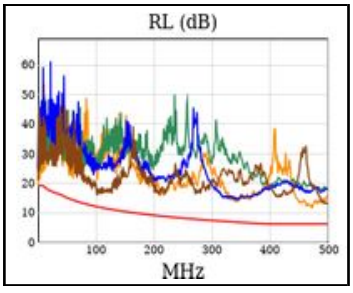


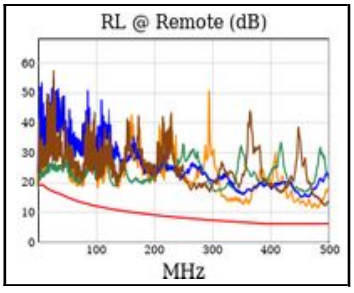
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.8	8.3	37.1	39.8
Freq. (MHz)	5.8	3.1	499.0	469.0
Limit (dB)	55.6	61.1	-23.1	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.4	38.1	42.3
Freq. (MHz)	3.0	5.6	499.0	490.0
Limit (dB)	58.4	53.2	-26.0	-25.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	3.7	5.0	5.1	5.0
Freq. (MHz)	102.5	482.0	473.0	482.0
Limit (dB)	11.9	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

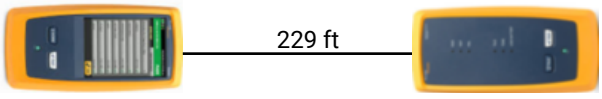
Test Summary: PASS

Date / Time: 12/11/2022 11:40:29 AM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

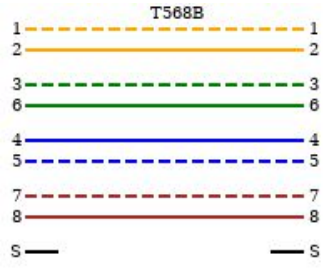
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

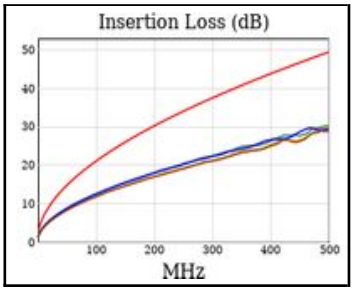
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	229
Prop. Delay (ns), Limit 555	[Pair 4,5]	356
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 3,6]	19.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

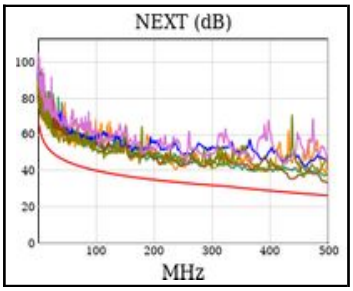


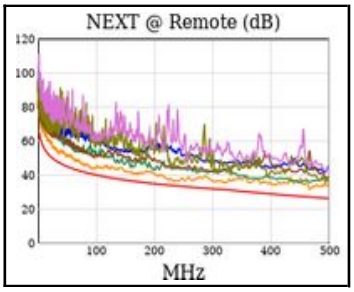
PASS



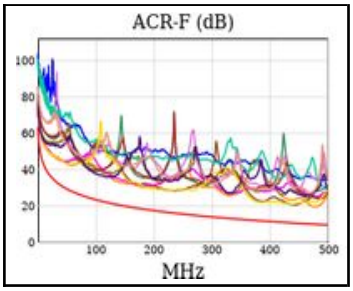


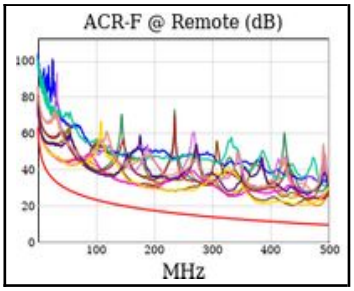
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.1	2.4	7.1	4.5
Freq. (MHz)	239.0	234.0	499.0	468.0
Limit (dB)	33.5	33.6	26.1	26.9
Worst Pair	3,6	3,6	4,5	1,2
PS NEXT (dB)	7.8	4.3	8.4	5.9
Freq. (MHz)	240.5	234.0	500.0	469.0
Limit (dB)	30.4	30.7	23.2	24.0



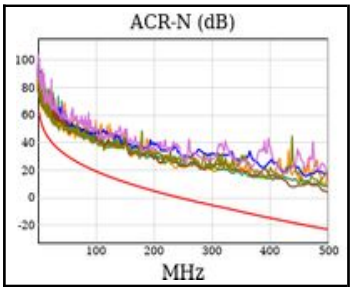


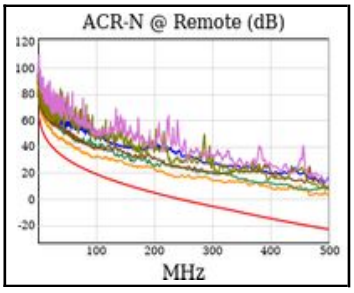
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	9.6	9.6	9.7	10.3
Freq. (MHz)	479.0	388.0	480.0	480.0
Limit (dB)	9.7	11.5	9.6	9.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	9.7	10.1	10.2	11.4
Freq. (MHz)	5.0	3.4	479.0	452.0
Limit (dB)	46.3	49.7	6.7	7.2



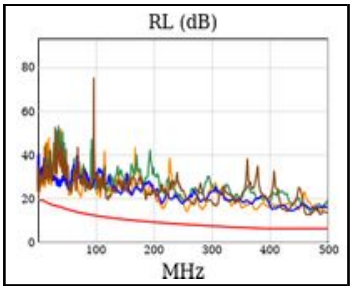


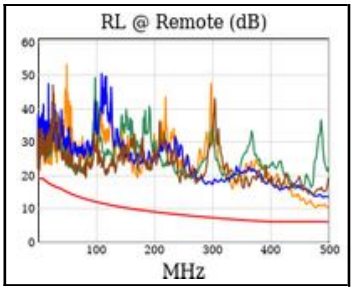
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.4	8.6	27.1	23.4
Freq. (MHz)	2.8	5.8	500.0	470.0
Limit (dB)	61.5	55.6	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.6	28.0	26.3
Freq. (MHz)	4.3	5.8	497.0	498.0
Limit (dB)	55.8	53.0	-25.8	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.7	4.3	6.3	4.3
Freq. (MHz)	258.0	499.0	470.0	499.0
Limit (dB)	7.9	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-B

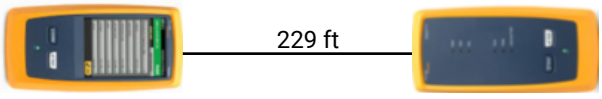
Test Summary: PASS

Date / Time: 12/11/2022 11:40:53 AM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

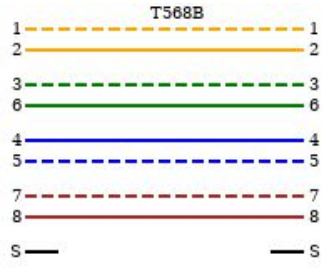
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

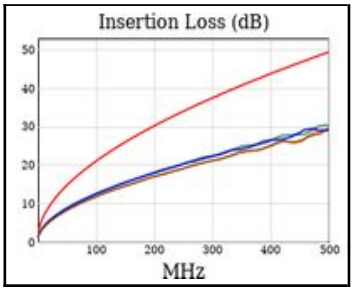
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	229
Prop. Delay (ns), Limit 555	[Pair 4,5]	355
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	16.7
Insertion Loss Margin (dB)	[Pair 3,6]	18.6
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

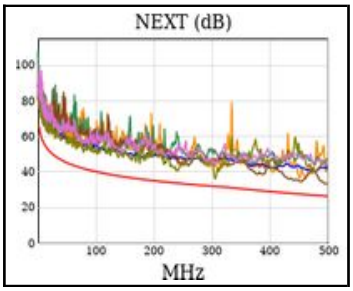


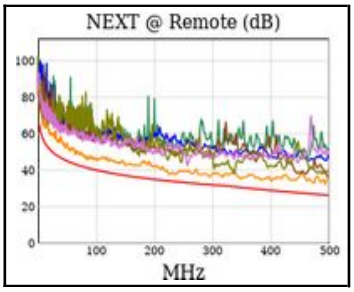
PASS



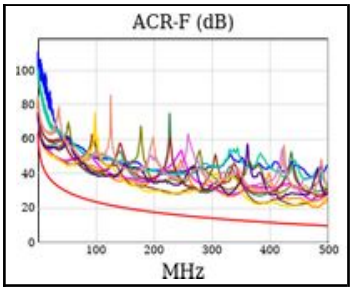


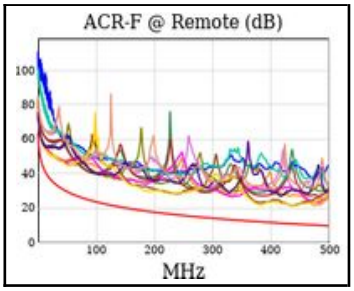
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.2	3.5	6.9	5.8
Freq. (MHz)	307.0	226.5	500.0	495.0
Limit (dB)	31.6	33.9	26.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	5.9	8.7	7.0
Freq. (MHz)	307.0	226.5	497.0	495.0
Limit (dB)	28.6	30.9	23.3	23.3



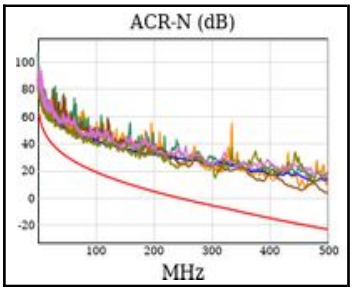


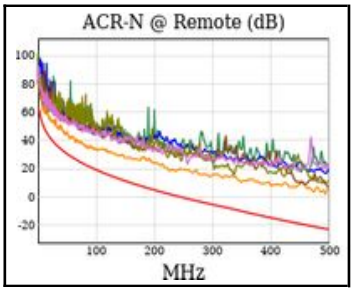
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.0	9.7	10.4	10.7
Freq. (MHz)	431.0	384.0	483.0	446.0
Limit (dB)	10.6	11.6	9.6	10.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.6	11.3	11.5	11.4
Freq. (MHz)	5.0	384.0	476.0	386.0
Limit (dB)	46.3	8.6	6.7	8.5



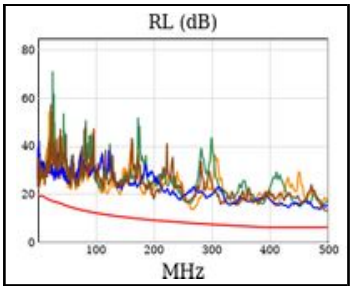


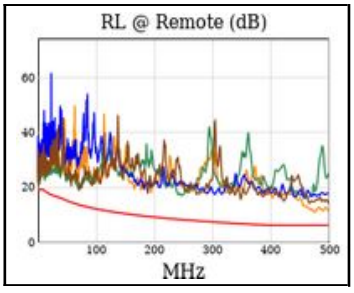
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.5	9.3	26.8	24.4
Freq. (MHz)	5.8	8.6	500.0	495.0
Limit (dB)	55.6	51.6	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	10.1	27.5	25.6
Freq. (MHz)	4.1	8.6	497.0	495.0
Limit (dB)	56.1	49.0	-25.8	-25.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.2	3.8	6.9	4.8
Freq. (MHz)	12.3	12.1	500.0	477.0
Limit (dB)	18.6	18.6	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

Test Summary: PASS

Date / Time: 11/22/2022 04:48:20 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 3,6]	227
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 4,5]	26.1
Frequency (MHz)	[Pair 4,5]	468.0
Limit (dB)	[Pair 4,5]	47.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.6	4.5	6.3	6.7
Freq. (MHz)	304.0	79.0	499.0	442.0
Limit (dB)	31.6	41.7	26.1	27.6
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.8	4.5	7.1	7.7
Freq. (MHz)	304.0	156.5	500.0	464.0
Limit (dB)	28.7	33.7	23.2	24.1

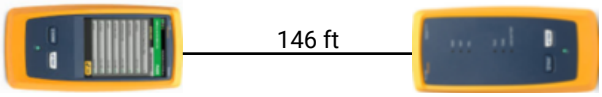
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	10.4	11.0	10.7
Freq. (MHz)	257.0	257.0	499.0	499.0
Limit (dB)	15.1	15.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.5	11.5	10.6
Freq. (MHz)	5.6	483.0	484.0	486.0
Limit (dB)	45.3	6.6	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.3	8.8	34.8	36.6
Freq. (MHz)	4.5	4.5	499.0	494.0
Limit (dB)	57.8	57.8	-23.1	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.5	8.4	35.6	35.7
Freq. (MHz)	4.6	4.6	500.0	469.0
Limit (dB)	55.1	55.1	-26.1	-23.6

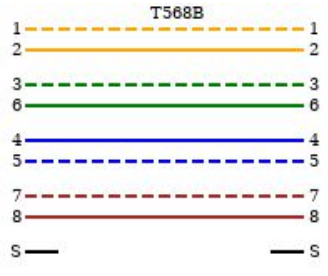
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.6	4.3	5.6	4.3
Freq. (MHz)	394.0	489.0	394.0	489.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

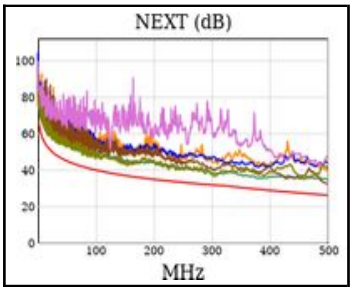
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

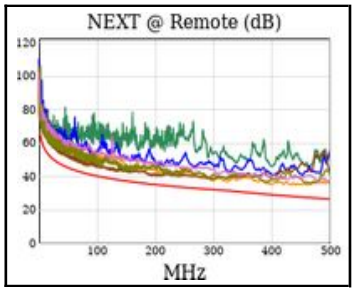


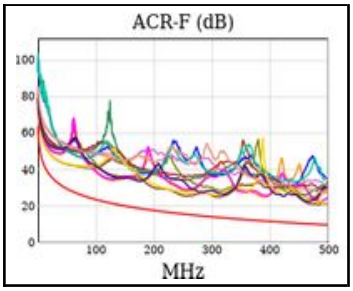
PASS

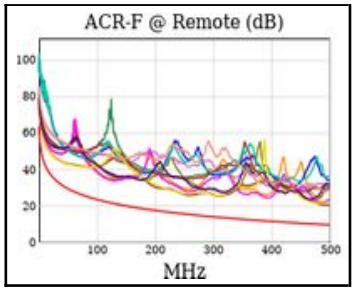


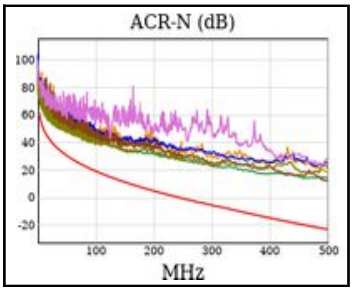


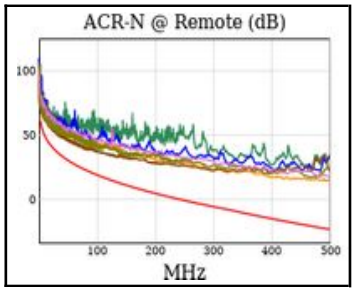


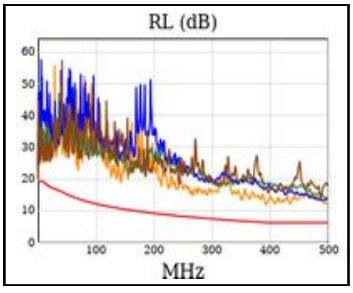


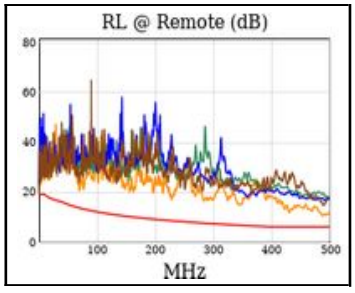












FLUKE networks

LinkWare Live

Cable ID: 107-A

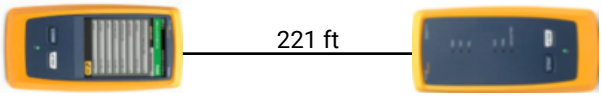
Test Summary: PASS

Date / Time: 11/21/2022 01:59:16 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

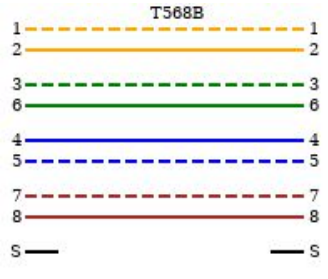
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

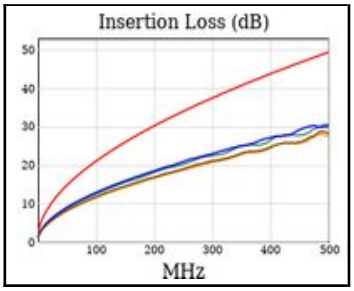
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

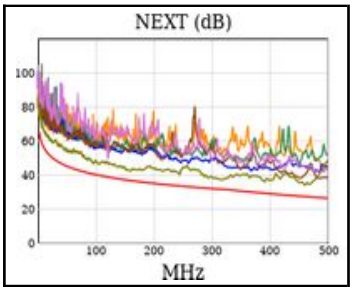
Length (ft), Limit 328	[Pair 1,2]	221
Prop. Delay (ns), Limit 555	[Pair 3,6]	342
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	18.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

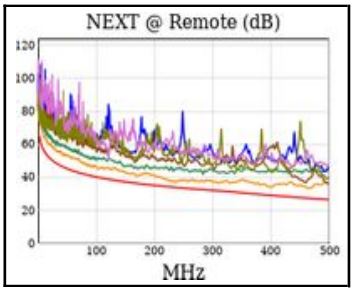


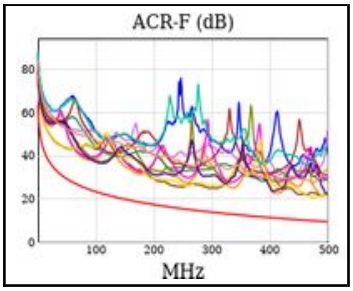
PASS

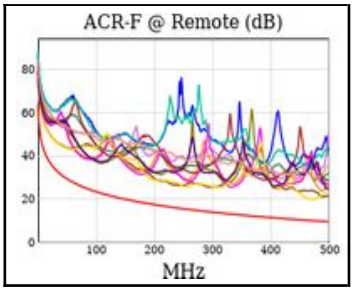


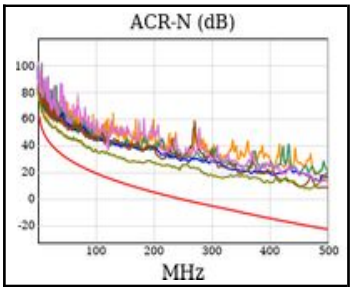


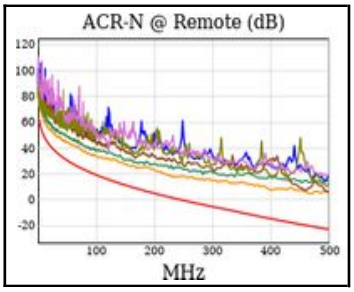


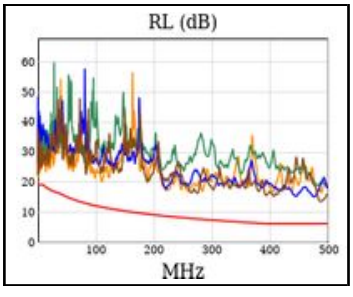


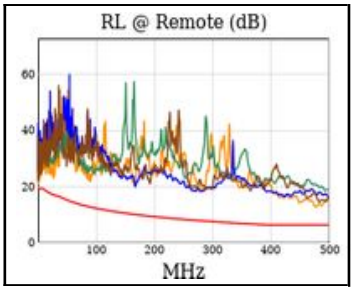












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.6	3.2	6.8	6.0
Freq. (MHz)	320.0	235.5	462.0	467.0
Limit (dB)	31.3	33.6	27.0	26.9
Worst Pair	7,8	1,2	3,6	3,6
PS NEXT (dB)	7.9	5.3	8.6	7.6
Freq. (MHz)	320.0	234.0	461.0	465.0
Limit (dB)	28.3	30.7	24.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.7	10.6	9.7
Freq. (MHz)	242.0	475.0	476.0	475.0
Limit (dB)	15.6	9.7	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.5	11.0	12.8
Freq. (MHz)	500.0	251.0	500.0	500.0
Limit (dB)	6.3	12.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	11.0	10.4	27.9	25.2
Freq. (MHz)	3.0	2.9	470.0	471.0
Limit (dB)	61.4	61.4	-20.8	-20.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	10.2	27.9	27.3
Freq. (MHz)	3.0	3.0	462.0	498.0
Limit (dB)	58.4	58.4	-23.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.0	5.9	7.3	6.4
Freq. (MHz)	14.5	27.5	488.0	479.0
Limit (dB)	18.2	16.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 106-B

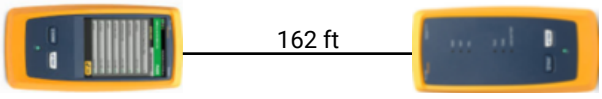
Test Summary: PASS

Date / Time: 12/10/2022 04:07:47 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

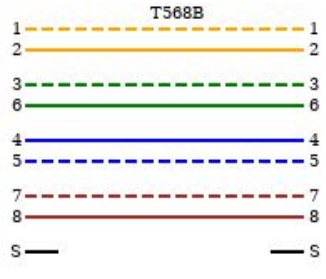
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

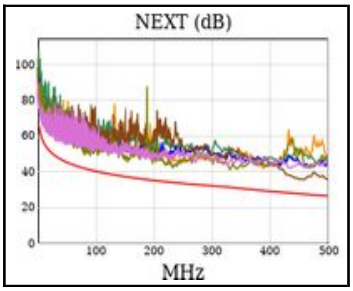
Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	257
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

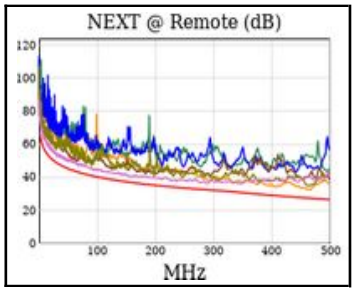


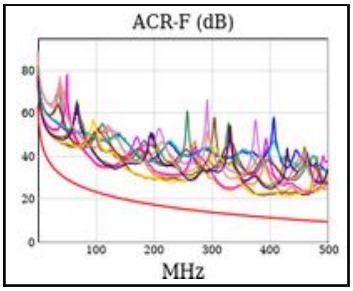
PASS

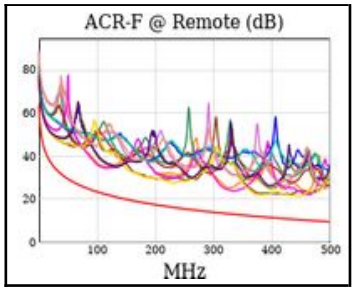


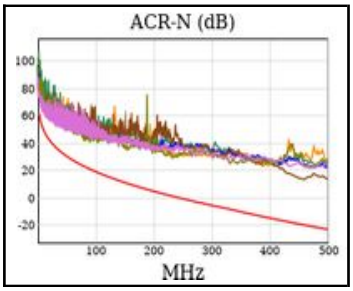


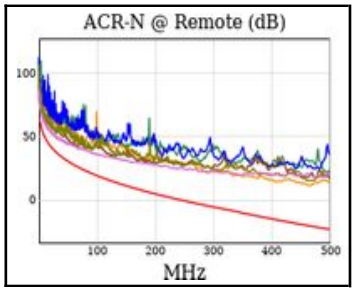


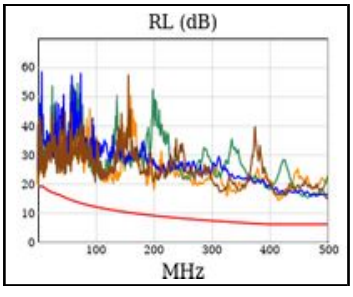


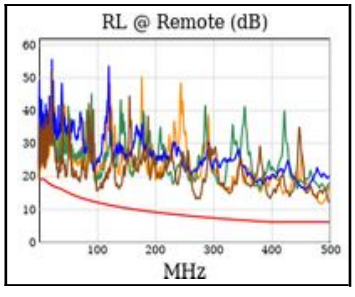












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	3.5	8.1	5.0
Freq. (MHz)	82.0	159.5	459.0	467.0
Limit (dB)	41.4	36.5	27.1	26.9
Worst Pair	7,8	4,5	4,5	3,6
PS NEXT (dB)	8.4	4.9	10.0	5.8
Freq. (MHz)	19.1	68.5	460.0	467.0
Limit (dB)	49.3	39.9	24.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	10.1	10.6	11.1
Freq. (MHz)	389.0	380.0	433.0	451.0
Limit (dB)	11.5	11.7	10.5	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.4	11.1	12.2
Freq. (MHz)	422.0	6.8	424.0	468.0
Limit (dB)	7.8	43.7	7.7	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	9.0	33.3	31.6
Freq. (MHz)	6.3	6.3	460.0	467.0
Limit (dB)	54.8	54.8	-20.0	-20.6
Worst Pair	7,8	4,5	4,5	3,6
PS ACR-N (dB)	11.6	9.4	35.1	32.4
Freq. (MHz)	6.3	3.9	460.0	467.0
Limit (dB)	52.2	56.7	-22.9	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.3	2.9	8.0	5.4
Freq. (MHz)	13.8	33.8	416.0	485.0
Limit (dB)	18.3	16.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

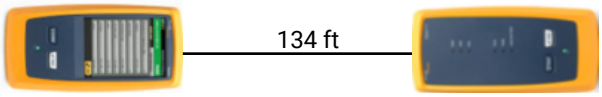
Test Summary: PASS

Date / Time: 11/22/2022 12:00:37 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

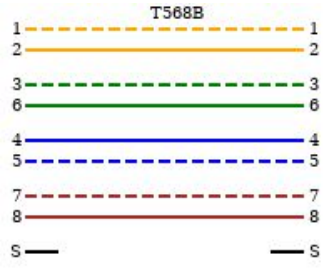
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

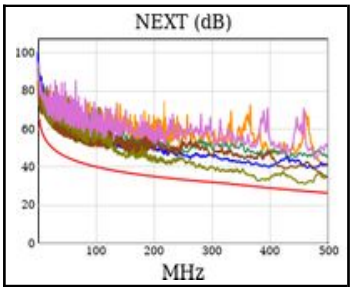
Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 3,6]	206
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.7
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

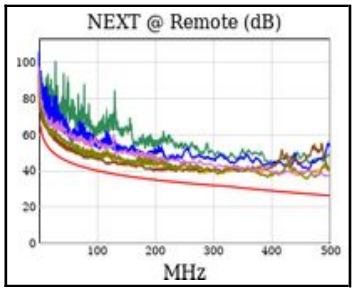


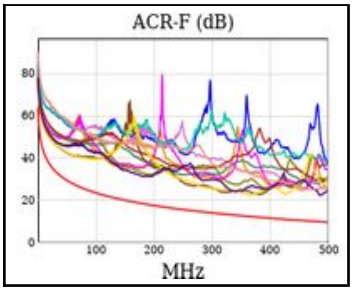
PASS

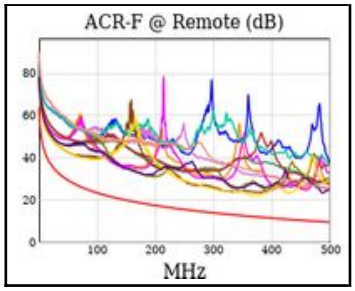


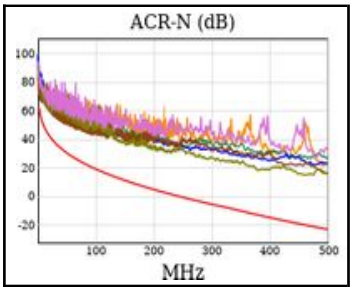


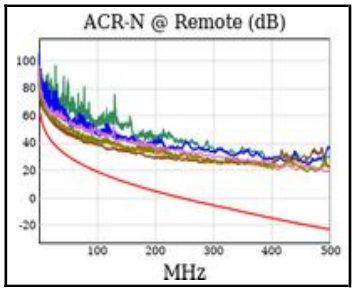


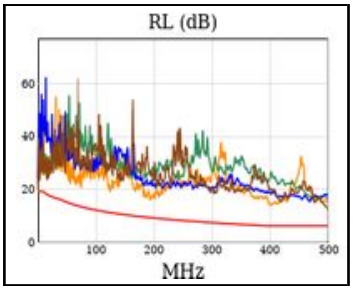


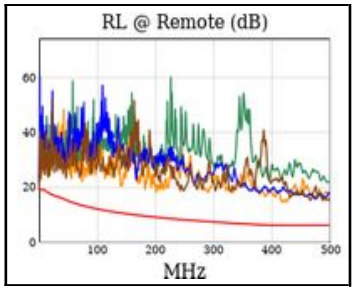












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	3.1	4.7	3.8	8.1
Freq. (MHz)	379.0	116.5	462.0	460.0
Limit (dB)	29.4	38.8	27.0	27.1
Worst Pair	7,8	3,6	7,8	7,8
PS NEXT (dB)	5.5	4.3	6.2	8.7
Freq. (MHz)	380.0	84.8	462.0	457.0
Limit (dB)	26.4	38.3	24.1	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.1	10.0	12.5	10.0
Freq. (MHz)	367.0	368.0	488.0	368.0
Limit (dB)	12.0	11.9	9.5	11.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.6	11.3	12.5
Freq. (MHz)	354.0	335.0	367.0	402.0
Limit (dB)	9.3	9.8	9.0	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	9.3	9.3	34.7	40.0
Freq. (MHz)	2.6	5.0	462.0	476.0
Limit (dB)	61.6	56.9	-20.2	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	9.8	37.8	40.2
Freq. (MHz)	2.8	5.0	500.0	476.0
Limit (dB)	58.5	54.3	-26.1	-24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.5	6.4	6.6	8.3
Freq. (MHz)	19.1	19.1	499.0	421.0
Limit (dB)	17.6	17.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-A

Test Summary: PASS

Date / Time: 11/27/2022 05:55:04 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	331
Prop. Delay (ns), Limit 555	[Pair 4,5]	524
Delay Skew (ns), Limit 50	[Pair 4,5]	30
Resistance (ohms)	[Pair 3,6]	15.9
Insertion Loss Margin (dB)	[Pair 3,6]	4.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
NEXT (dB)	3.9	2.9	7.3	4.2
Freq. (MHz)	175.5	161.0	474.0	500.0
Limit (dB)	35.8	36.4	26.7	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	3.6	3.6	7.9	6.1
Freq. (MHz)	4.0	4.0	494.0	500.0
Limit (dB)	60.5	60.5	23.4	23.2

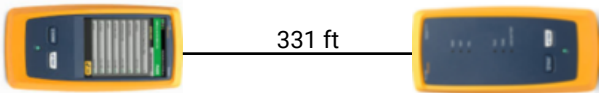
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	9.5	12.2	11.5
Freq. (MHz)	309.0	312.0	500.0	500.0
Limit (dB)	13.5	13.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	13.2	12.1
Freq. (MHz)	205.5	206.5	500.0	500.0
Limit (dB)	14.0	14.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
ACR-N (dB)	4.8	3.7	13.2	9.6
Freq. (MHz)	4.0	4.0	490.0	500.0
Limit (dB)	58.9	58.9	-22.4	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	4.2	4.2	13.5	10.8
Freq. (MHz)	4.0	4.0	497.0	500.0
Limit (dB)	56.4	56.4	-25.8	-26.1

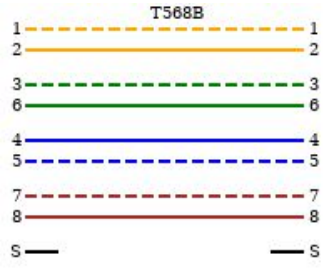
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	3.7	6.6	5.8
Freq. (MHz)	65.5	3.5	481.0	480.0
Limit (dB)	13.8	19.0	6.0	6.0

Compliant Network Standards:

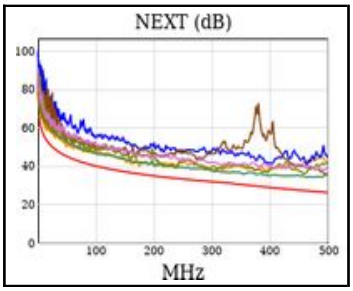
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

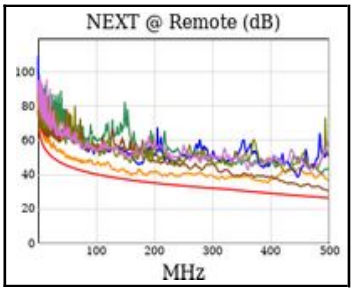


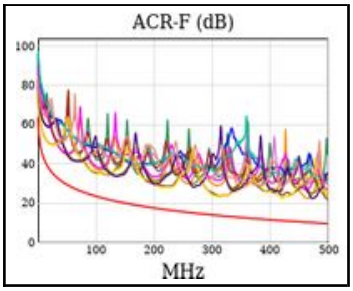
PASS

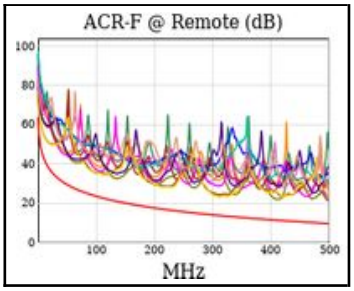


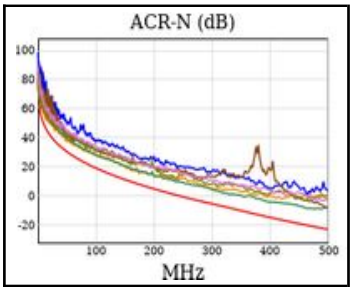


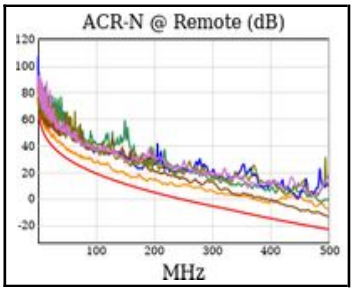


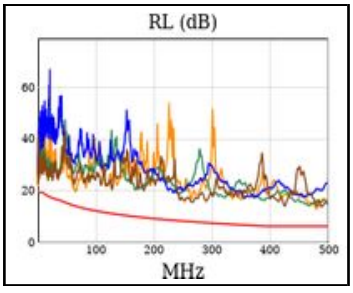


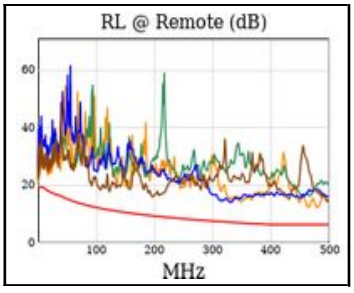












FLUKE networks

LinkWare Live

Cable ID: 107-B

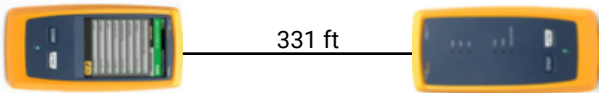
Test Summary: PASS

Date / Time: 11/27/2022 05:55:43 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

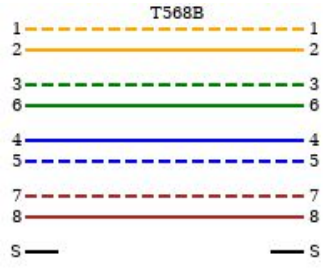
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

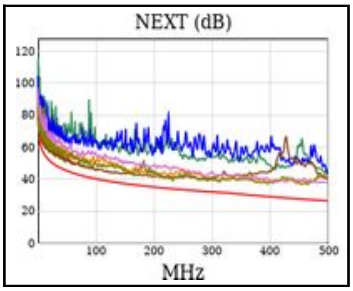
Length (ft), Limit 328	[Pair 1,2]	331
Prop. Delay (ns), Limit 555	[Pair 4,5]	524
Delay Skew (ns), Limit 50	[Pair 4,5]	30
Resistance (ohms)	[Pair 3,6]	15.9
Insertion Loss Margin (dB)	[Pair 3,6]	5.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

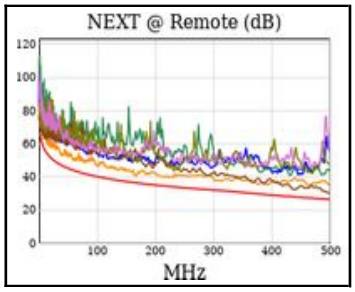


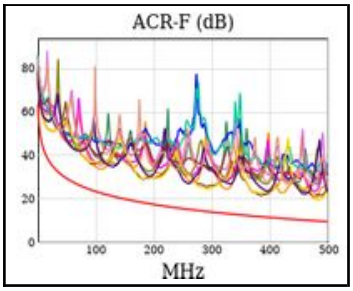
PASS

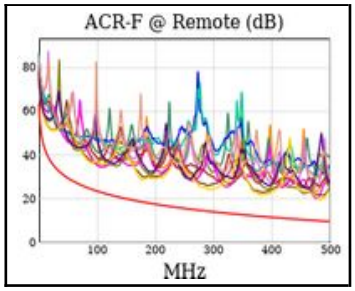


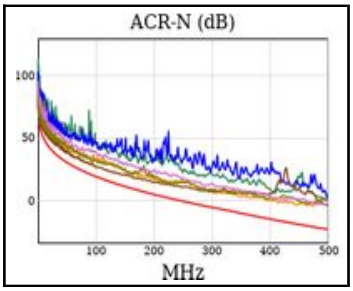


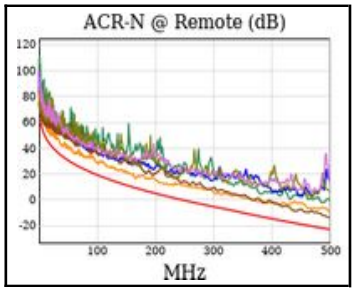


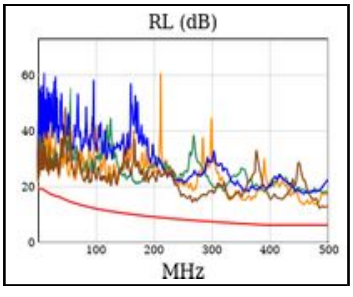


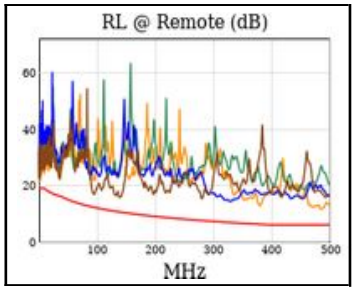












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.4	3.8	9.4	3.8
Freq. (MHz)	2.9	167.5	465.0	498.0
Limit (dB)	65.0	36.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.6	4.5	9.8	5.4
Freq. (MHz)	3.9	3.0	465.0	499.0
Limit (dB)	60.8	62.0	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.5	9.5	9.6
Freq. (MHz)	484.0	484.0	485.0	485.0
Limit (dB)	9.6	9.6	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.6	10.3	10.6
Freq. (MHz)	482.0	477.0	482.0	477.0
Limit (dB)	6.6	6.7	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	4.0	5.4	16.5	9.1
Freq. (MHz)	2.9	3.3	474.0	499.0
Limit (dB)	61.4	60.7	-21.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	4.2	5.1	17.3	10.6
Freq. (MHz)	3.9	3.0	500.0	499.0
Limit (dB)	56.7	58.4	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.3	2.8	6.1	5.5
Freq. (MHz)	3.5	3.5	487.0	486.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-A

Test Summary: PASS

Date / Time: 12/17/2022 03:48:27 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	339
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	20.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	4,5-7,8
NEXT (dB)	3.9	3.7	6.9	6.5
Freq. (MHz)	300.0	313.0	476.0	495.0
Limit (dB)	31.7	31.4	26.7	26.2
Worst Pair	7,8	3,6	7,8	7,8
PS NEXT (dB)	4.8	4.7	6.9	8.1
Freq. (MHz)	300.0	311.0	476.0	467.0
Limit (dB)	28.8	28.5	23.8	24.0

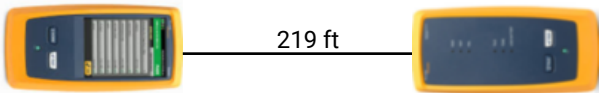
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.7	10.6	10.7
Freq. (MHz)	463.0	450.0	463.0	450.0
Limit (dB)	9.9	10.2	9.9	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	11.5	12.6
Freq. (MHz)	5.0	3.5	396.0	471.0
Limit (dB)	46.3	49.4	8.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	4,5-7,8
ACR-N (dB)	9.7	9.1	29.8	28.2
Freq. (MHz)	3.1	3.3	499.0	495.0
Limit (dB)	61.1	60.7	-23.1	-22.8
Worst Pair	3,6	3,6	7,8	4,5
PS ACR-N (dB)	9.3	8.6	28.9	30.8
Freq. (MHz)	3.1	3.0	491.0	500.0
Limit (dB)	58.3	58.4	-25.4	-26.1

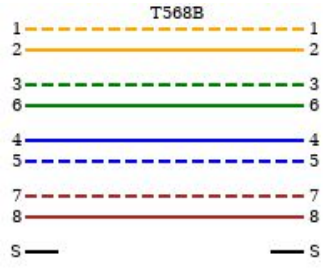
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.1	5.8	6.1	7.3
Freq. (MHz)	491.0	8.4	491.0	483.0
Limit (dB)	6.0	19.0	6.0	6.0

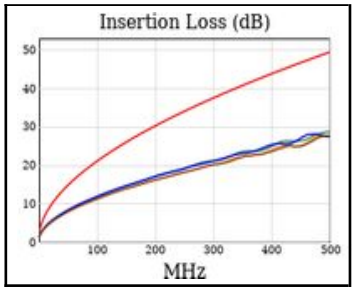
Compliant Network Standards:

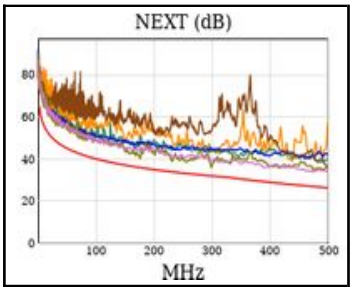
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

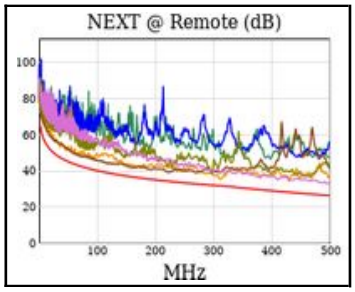


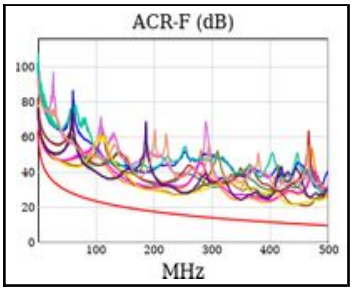
PASS

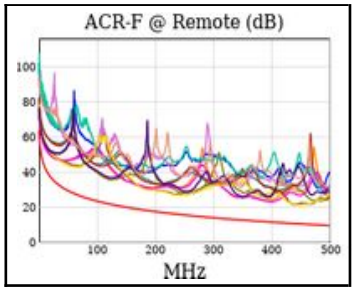


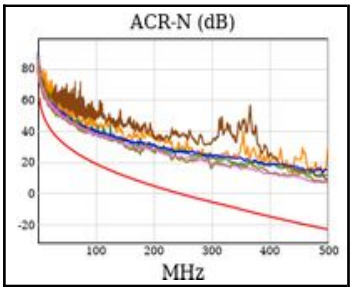


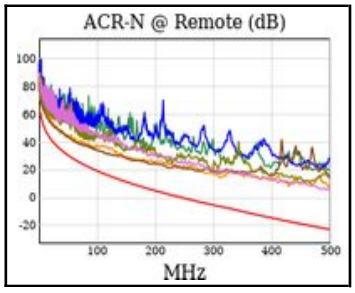


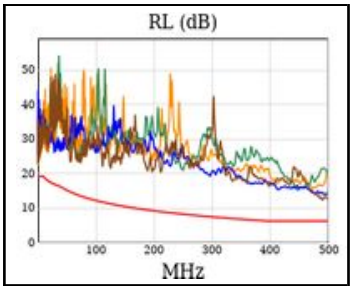


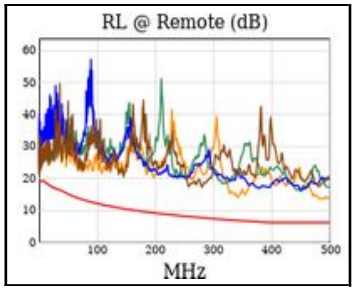












FLUKE networks

LinkWare Live

Cable ID: 108-A

Test Summary: PASS

Date / Time: 12/19/2022 01:41:08 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	115
Prop. Delay (ns), Limit 555	[Pair 4,5]	179
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	14.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.9	7.2	6.8	7.2
Freq. (MHz)	312.0	499.0	495.0	499.0
Limit (dB)	31.5	26.1	26.2	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.2	7.7	8.2	7.7
Freq. (MHz)	220.0	494.0	495.0	494.0
Limit (dB)	31.1	23.4	23.3	23.4

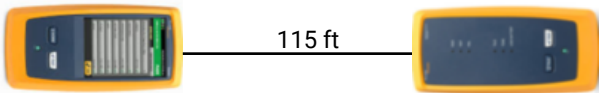
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.5	10.3	10.6
Freq. (MHz)	441.0	447.0	441.0	450.0
Limit (dB)	10.4	10.3	10.4	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.8	12.4	12.5
Freq. (MHz)	6.8	3.8	467.0	470.0
Limit (dB)	43.7	48.8	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	10.6	39.4	41.0
Freq. (MHz)	3.0	3.0	495.0	499.0
Limit (dB)	61.4	61.4	-22.8	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	11.4	41.7	40.3
Freq. (MHz)	5.8	3.3	494.0	494.0
Limit (dB)	53.0	58.2	-25.6	-25.6

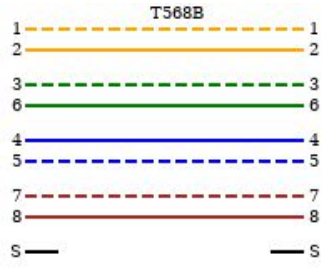
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	7.4	3.8	7.4	5.7
Freq. (MHz)	500.0	18.8	500.0	478.0
Limit (dB)	6.0	17.6	6.0	6.0

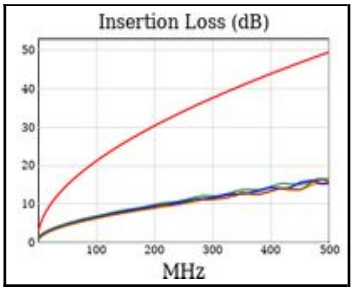
Compliant Network Standards:

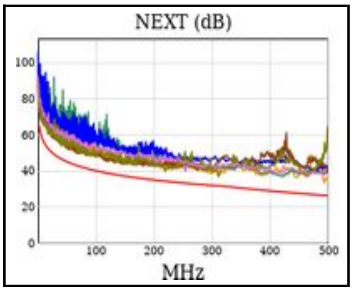
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

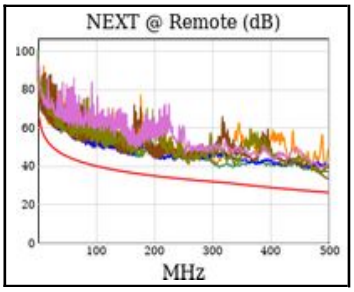


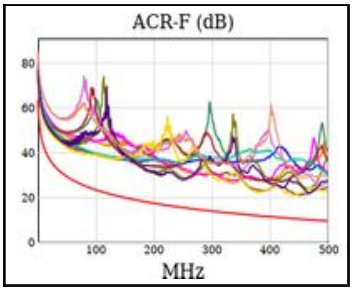
PASS

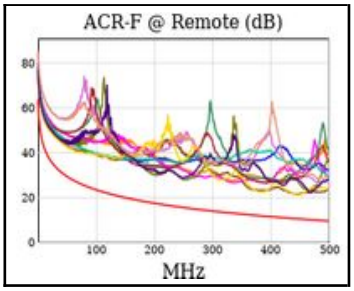


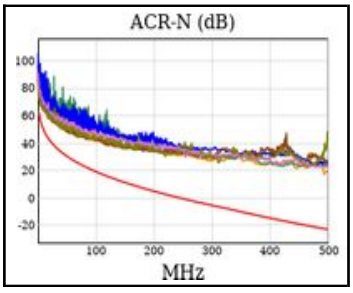


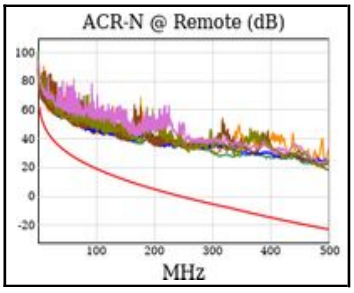


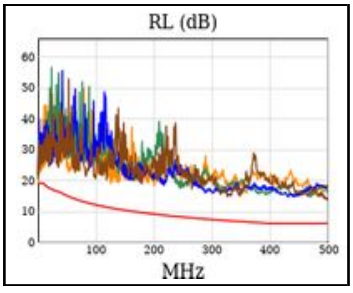


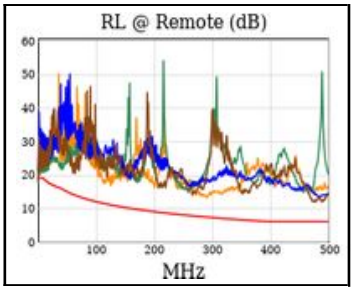












FLUKE networks

LinkWare Live

Cable ID: 107-B

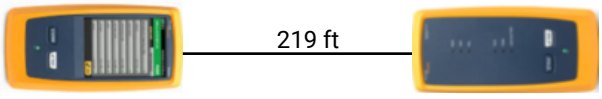
Test Summary: PASS

Date / Time: 11/25/2022 02:02:46 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

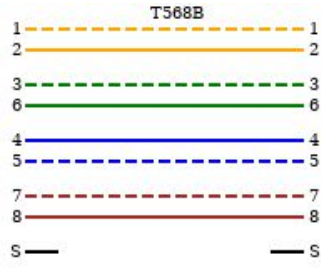
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

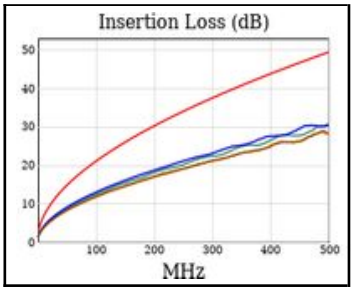
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	219
Prop. Delay (ns), Limit 555	[Pair 3,6]	339
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 7,8]	10.6
Insertion Loss Margin (dB)	[Pair 4,5]	18.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

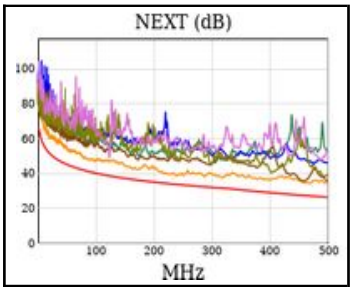


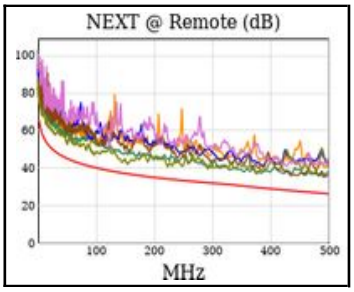
PASS



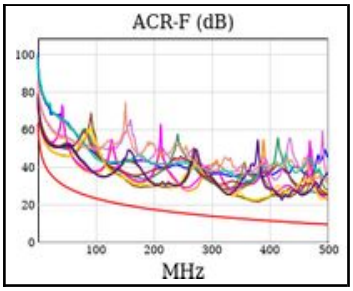


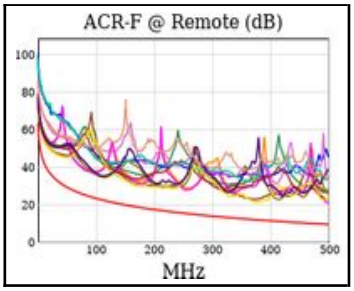
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-4,5
NEXT (dB)	4.9	5.0	7.3	8.7
Freq. (MHz)	240.0	154.0	470.0	491.0
Limit (dB)	33.4	36.7	26.8	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	7.0	7.1	7.9	8.5
Freq. (MHz)	240.0	155.5	499.0	493.0
Limit (dB)	30.5	33.8	23.3	23.4



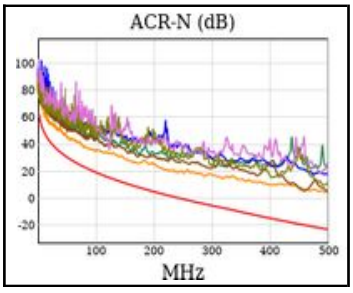


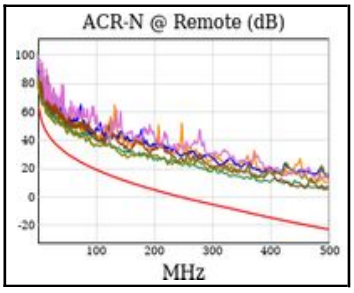
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	9.7	9.3	9.8	11.4
Freq. (MHz)	380.0	378.0	381.0	500.0
Limit (dB)	11.7	11.7	11.6	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	12.4	12.3
Freq. (MHz)	5.0	5.0	422.0	500.0
Limit (dB)	46.3	46.3	7.8	6.3



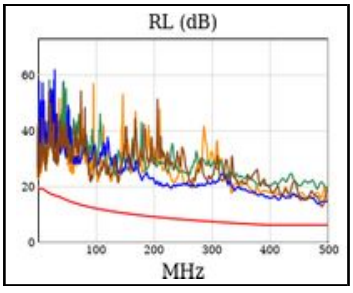


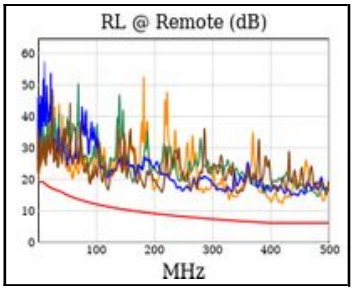
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	11.8	10.5	27.0	27.4
Freq. (MHz)	2.9	3.0	496.0	491.0
Limit (dB)	61.4	61.4	-22.9	-22.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.6	9.5	27.1	27.2
Freq. (MHz)	3.0	3.0	499.0	493.0
Limit (dB)	58.4	58.4	-26.0	-25.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.6	5.1	6.6	6.1
Freq. (MHz)	490.0	121.5	490.0	421.0
Limit (dB)	6.0	11.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-A

Test Summary: PASS

Date / Time: 11/25/2022 02:14:01 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	226
Prop. Delay (ns), Limit 555	[Pair 3,6]	349
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.6
Insertion Loss Margin (dB)	[Pair 4,5]	17.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.5	6.5	6.3	7.2
Freq. (MHz)	236.0	306.0	500.0	458.0
Limit (dB)	33.5	31.6	26.1	27.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.5	8.6	6.8	8.6
Freq. (MHz)	230.5	459.0	500.0	459.0
Limit (dB)	30.8	24.2	23.2	24.2

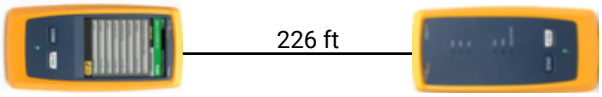
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.0	9.4	9.0
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.5	11.2	11.7	11.5
Freq. (MHz)	1.9	253.0	500.0	500.0
Limit (dB)	54.8	12.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	12.0	11.1	24.2	29.8
Freq. (MHz)	4.4	2.9	500.0	500.0
Limit (dB)	58.1	61.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	10.9	25.1	29.8
Freq. (MHz)	4.4	4.3	500.0	500.0
Limit (dB)	55.6	55.8	-26.1	-26.1

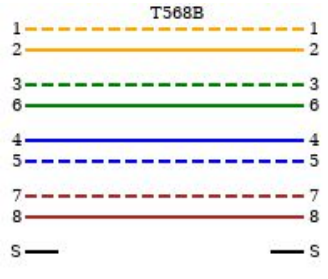
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	7.9	6.7	8.4	7.0
Freq. (MHz)	7.0	68.3	480.0	423.0
Limit (dB)	19.0	13.7	6.0	6.0

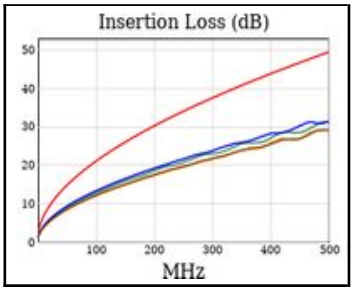
Compliant Network Standards:

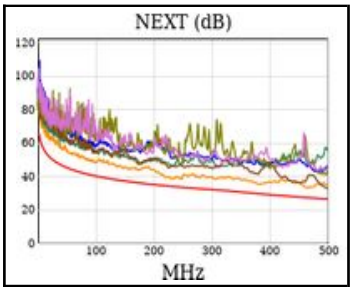
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

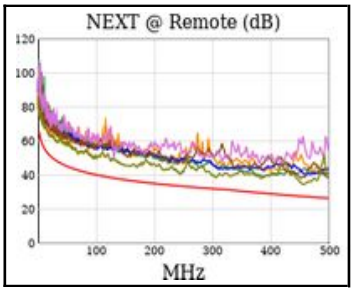


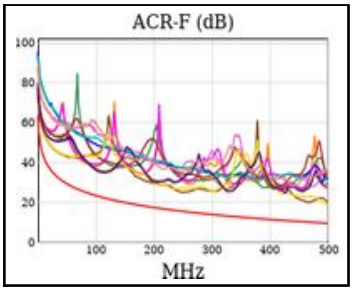
PASS

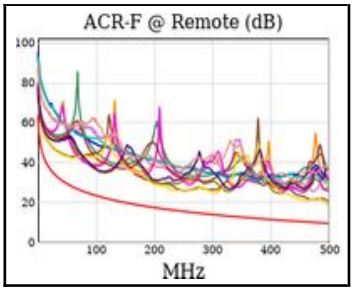


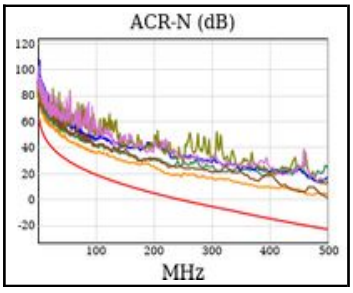


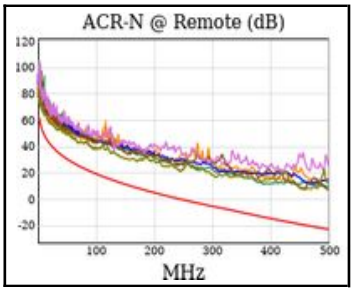


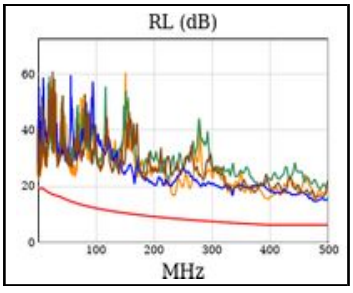


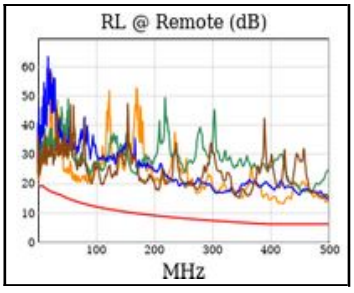












FLUKE networks

LinkWare Live

Cable ID: 108-A

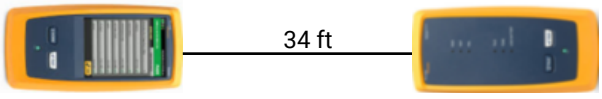
Test Summary: PASS

Date / Time: 11/26/2022 12:40:52 PM
Headroom: 1.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

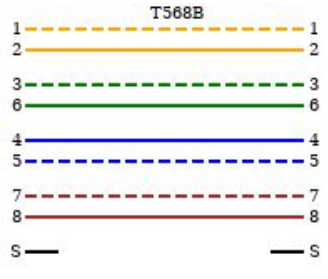
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

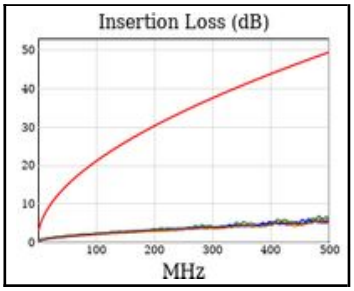
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	34
Prop. Delay (ns), Limit 555	[Pair 3,6]	53
Delay Skew (ns), Limit 50	[Pair 3,6]	2
Resistance (ohms)	[Pair 7,8]	5.1
Insertion Loss Margin (dB)	[Pair 3,6]	41.6
Frequency (MHz)	[Pair 3,6]	484.0
Limit (dB)	[Pair 3,6]	48.4

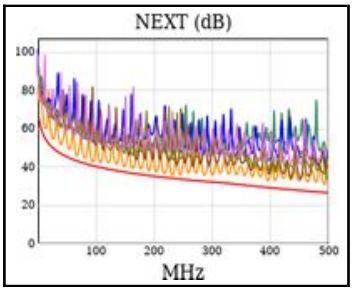


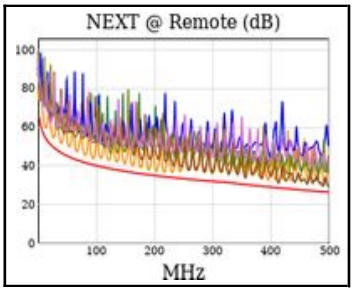
PASS



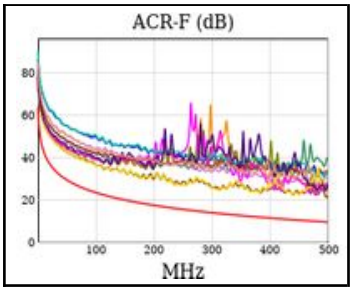


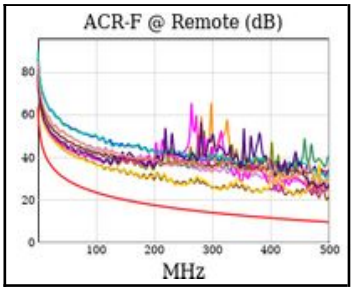
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.5	2.3	4.2	2.8
Freq. (MHz)	232.5	204.5	495.0	500.0
Limit (dB)	33.7	34.6	26.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.9	3.8	5.5	4.2
Freq. (MHz)	232.5	357.0	496.0	492.0
Limit (dB)	30.7	27.1	23.3	23.4



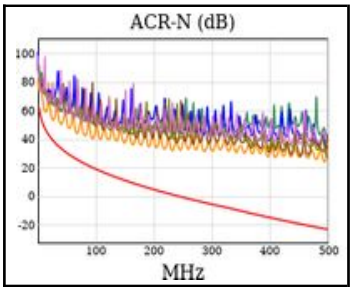


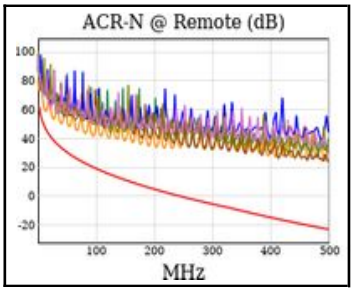
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.4	11.6	10.4
Freq. (MHz)	237.0	498.0	498.0	498.0
Limit (dB)	15.8	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.2	11.1	13.6	11.1
Freq. (MHz)	114.0	497.0	497.0	497.0
Limit (dB)	19.1	6.3	6.3	6.3



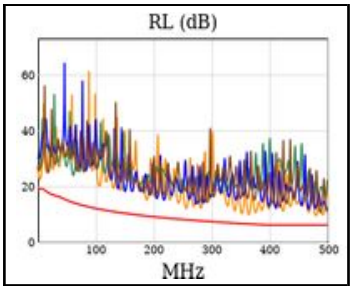


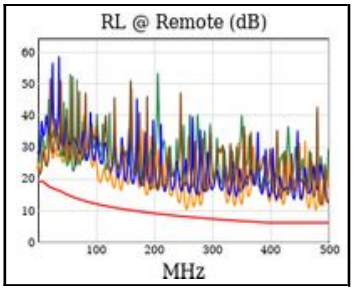
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	12.1	11.8	46.7	46.7
Freq. (MHz)	13.0	12.6	495.0	500.0
Limit (dB)	47.3	47.7	-22.8	-23.2
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	14.3	14.0	48.0	47.1
Freq. (MHz)	12.4	12.4	496.0	492.0
Limit (dB)	45.3	45.3	-25.8	-25.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.3	2.3	3.3	4.1
Freq. (MHz)	480.0	256.0	480.0	479.0
Limit (dB)	6.0	7.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-B

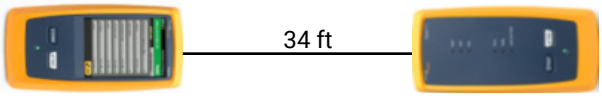
Test Summary: PASS

Date / Time: 11/26/2022 12:49:56 PM
Headroom: 1.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

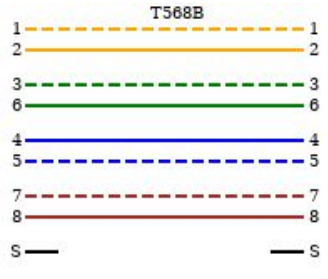
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

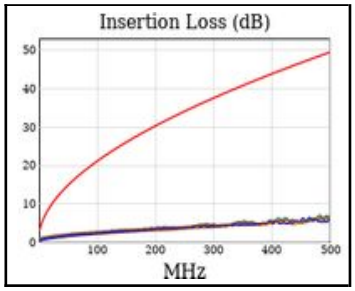
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

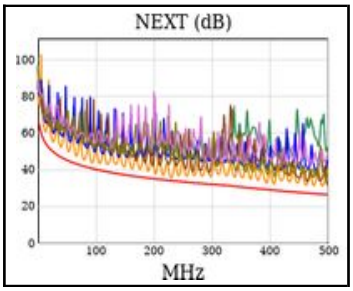
Length (ft), Limit 328	[Pair 1,2]	34
Prop. Delay (ns), Limit 555	[Pair 3,6]	53
Delay Skew (ns), Limit 50	[Pair 3,6]	2
Resistance (ohms)	[Pair 7,8]	18.3
Insertion Loss Margin (dB)	[Pair 3,6]	41.6
Frequency (MHz)	[Pair 3,6]	485.0
Limit (dB)	[Pair 3,6]	48.5

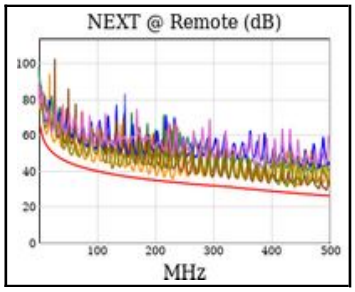


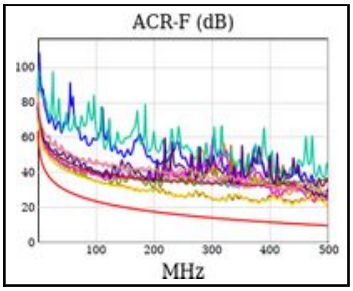
PASS

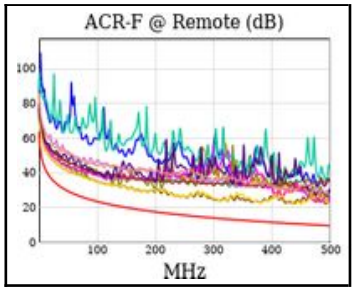


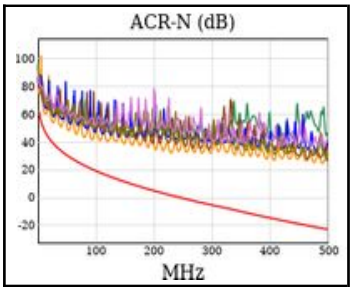


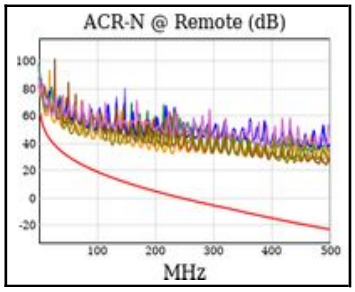


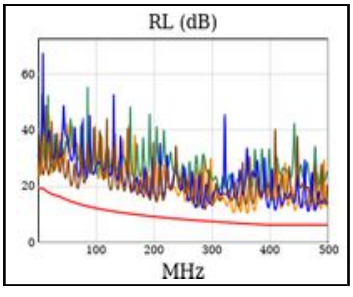


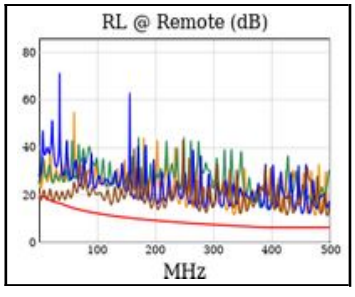












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.6	1.9	4.5	3.0
Freq. (MHz)	231.0	230.5	491.0	495.0
Limit (dB)	33.7	33.7	26.3	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	3.7	4.8	4.8
Freq. (MHz)	231.0	286.0	464.0	500.0
Limit (dB)	30.8	29.1	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.2	11.0	11.0
Freq. (MHz)	315.0	315.0	498.0	441.0
Limit (dB)	13.3	13.3	9.3	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	9.9	12.2	12.2
Freq. (MHz)	12.0	1.1	498.0	496.0
Limit (dB)	38.7	59.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	12.7	12.7	47.0	46.8
Freq. (MHz)	13.0	3.1	492.0	495.0
Limit (dB)	47.3	61.1	-22.6	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	14.2	13.3	48.2	47.4
Freq. (MHz)	12.4	11.3	492.0	495.0
Limit (dB)	45.3	46.3	-25.5	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.6	4.7	3.7	5.0
Freq. (MHz)	338.0	336.0	362.0	497.0
Limit (dB)	6.7	6.7	6.4	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-1-A

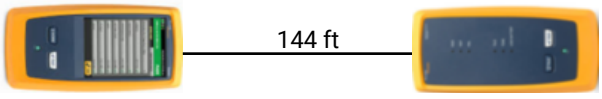
Test Summary: PASS

Date / Time: 12/04/2022 05:12:20 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

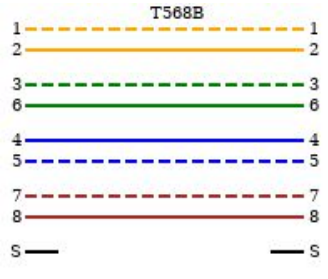
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

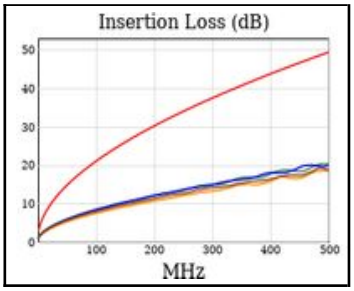
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

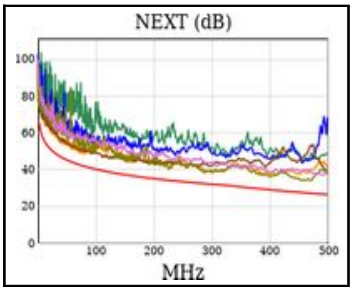
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	227
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	11.8
Insertion Loss Margin (dB)	[Pair 3,6]	29.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

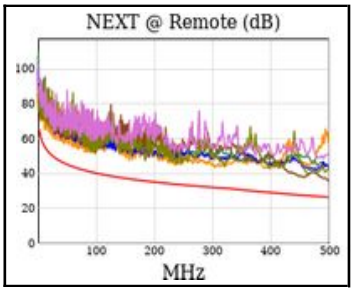


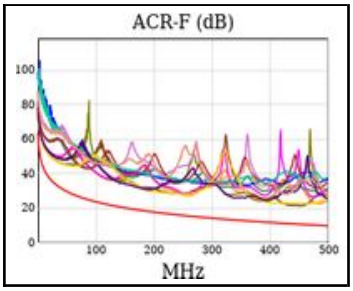
PASS

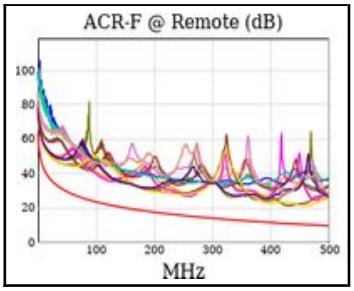


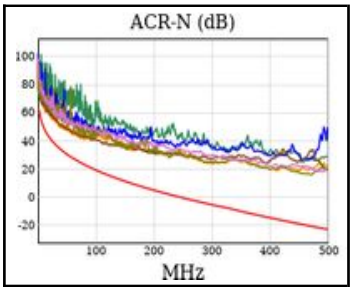


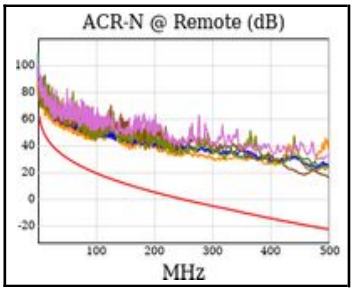


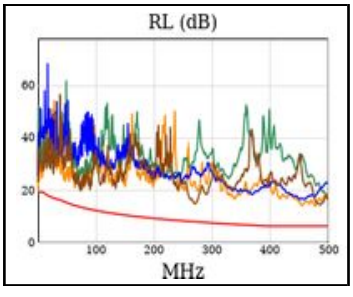


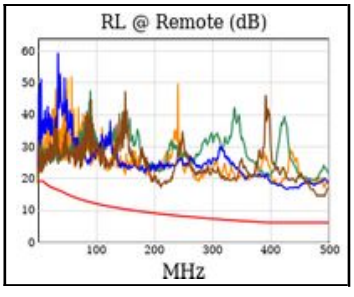












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	8.3	6.7	9.1
Freq. (MHz)	288.0	5.3	463.0	500.0
Limit (dB)	32.1	61.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.4	8.2	7.5	11.2
Freq. (MHz)	288.0	4.6	454.0	499.0
Limit (dB)	29.1	59.5	24.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.4	10.7	10.8
Freq. (MHz)	453.0	430.0	453.0	460.0
Limit (dB)	10.1	10.6	10.1	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.2	12.4	11.2
Freq. (MHz)	398.0	392.0	486.0	392.0
Limit (dB)	8.3	8.4	6.5	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	11.0	11.0	36.7	38.6
Freq. (MHz)	4.4	5.3	473.0	500.0
Limit (dB)	58.1	56.4	-21.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.8	37.3	40.2
Freq. (MHz)	4.4	4.6	473.0	499.0
Limit (dB)	55.6	55.1	-24.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	6.1	5.8	7.5	8.1
Freq. (MHz)	73.8	15.1	479.0	493.0
Limit (dB)	13.3	18.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-1-B

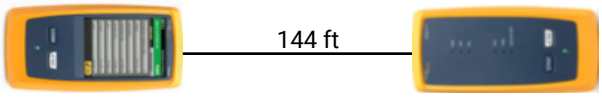
Test Summary: PASS

Date / Time: 12/04/2022 05:15:44 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

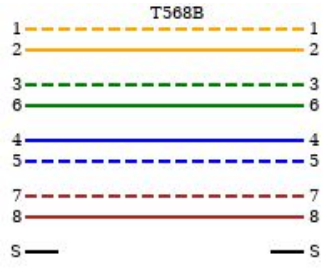
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

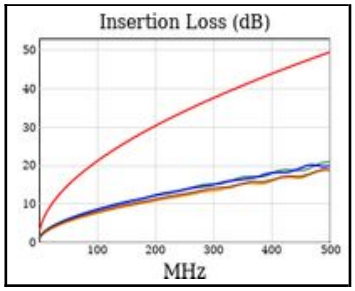
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

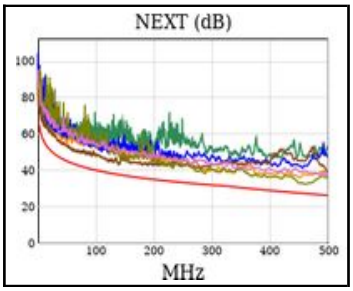
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	227
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	11.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

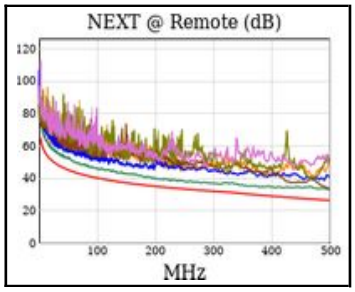


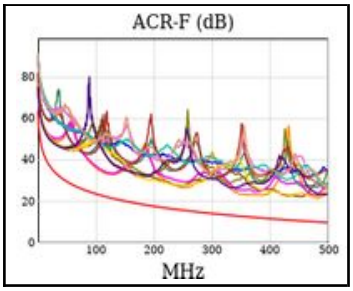
PASS

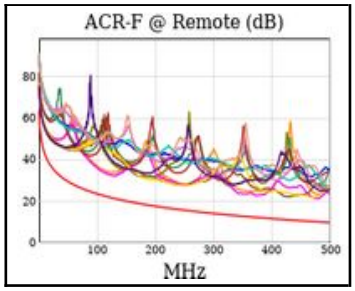


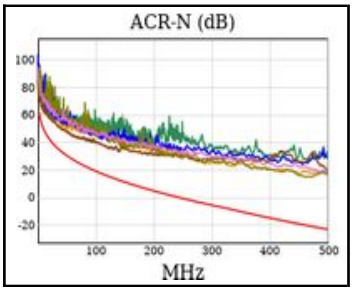


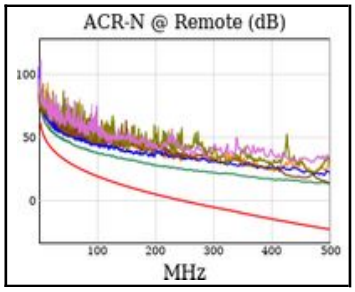


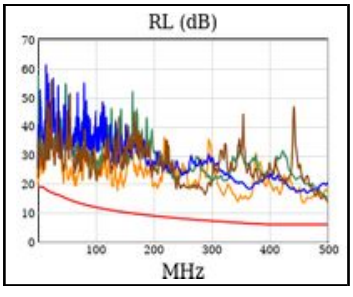


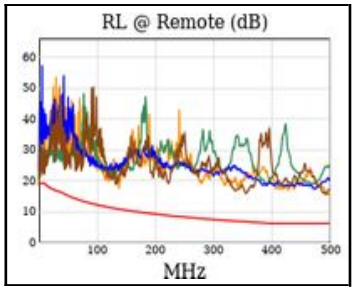












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	5.2	4.2	5.2	6.4
Freq. (MHz)	139.5	227.0	465.0	500.0
Limit (dB)	37.5	33.8	27.0	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.7	6.2	6.5	6.8
Freq. (MHz)	287.0	252.0	455.0	500.0
Limit (dB)	29.1	30.1	24.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.5	10.6	11.6	11.2
Freq. (MHz)	367.0	376.0	484.0	480.0
Limit (dB)	12.0	11.8	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.4	10.6	12.7
Freq. (MHz)	484.0	2.6	484.0	482.0
Limit (dB)	6.6	51.9	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	3,6-7,8	1,2-4,5
ACR-N (dB)	10.7	11.8	35.6	35.9
Freq. (MHz)	6.4	9.3	472.0	500.0
Limit (dB)	54.6	50.9	-21.0	-23.2
Worst Pair	3,6	1,2	3,6	4,5
PS ACR-N (dB)	11.3	11.7	37.6	36.3
Freq. (MHz)	4.4	7.0	499.0	500.0
Limit (dB)	55.6	51.1	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.9	6.6	7.4	8.9
Freq. (MHz)	45.0	138.5	459.0	493.0
Limit (dB)	15.5	10.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-2-A

Test Summary: PASS

Date / Time: 12/04/2022 05:03:16 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	149
Prop. Delay (ns), Limit 555	[Pair 4,5]	237
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	28.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	8.1	9.1	8.2
Freq. (MHz)	155.5	497.0	463.0	499.0
Limit (dB)	36.7	26.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	8.3	9.3	10.4
Freq. (MHz)	92.0	4.4	463.0	497.0
Limit (dB)	37.7	59.9	24.1	23.3

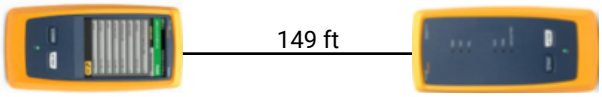
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.9	8.9	9.0	9.1
Freq. (MHz)	380.0	389.0	383.0	395.0
Limit (dB)	11.7	11.5	11.6	11.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.2	11.1	11.2	11.3
Freq. (MHz)	397.0	389.0	397.0	395.0
Limit (dB)	8.3	8.5	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.7	11.0	38.9	36.7
Freq. (MHz)	4.0	4.4	499.0	499.0
Limit (dB)	58.9	58.1	-23.1	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.2	10.9	39.4	38.7
Freq. (MHz)	4.1	4.4	500.0	497.0
Limit (dB)	56.1	55.6	-26.1	-25.8

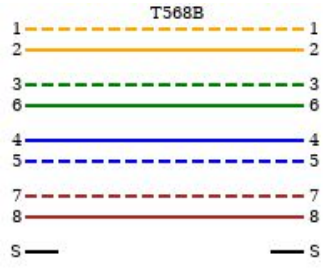
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.0	6.0	6.5	7.3
Freq. (MHz)	66.8	64.0	467.0	498.0
Limit (dB)	13.8	13.9	6.0	6.0

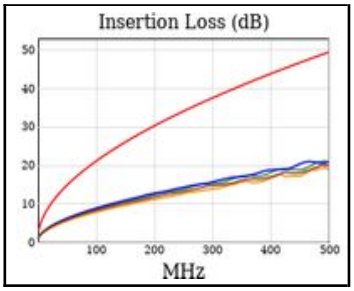
Compliant Network Standards:

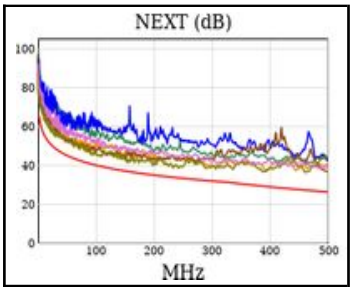
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

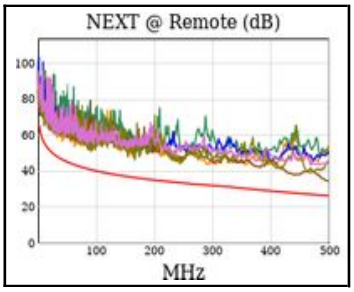


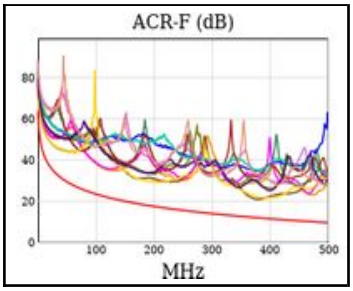
PASS

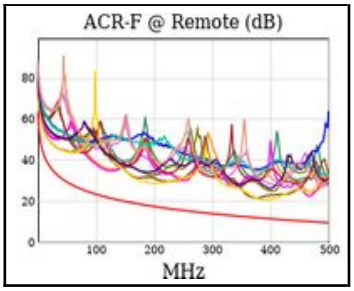


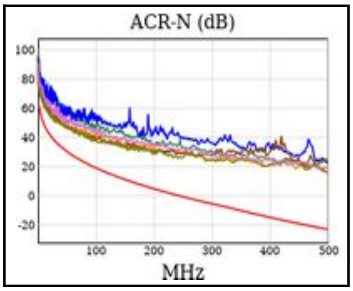


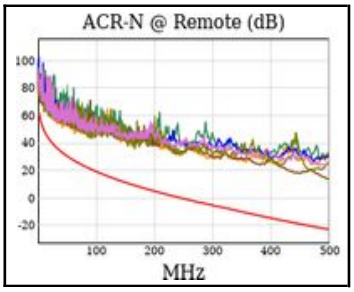


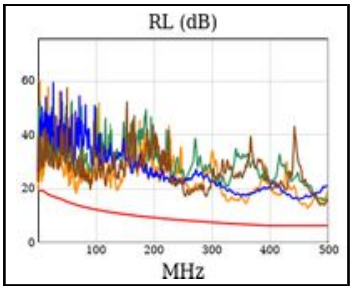


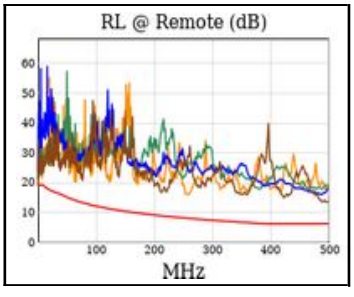












FLUKE networks

LinkWare Live

Cable ID: 108-2-B

Test Summary: PASS

Date / Time: 12/04/2022 04:58:32 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	150
Prop. Delay (ns), Limit 555	[Pair 4,5]	237
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.9	9.0	8.6	9.0
Freq. (MHz)	166.0	500.0	468.0	500.0
Limit (dB)	36.2	26.1	26.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.6	10.0	8.2	10.4
Freq. (MHz)	165.5	6.5	454.0	500.0
Limit (dB)	33.3	57.1	24.3	23.2

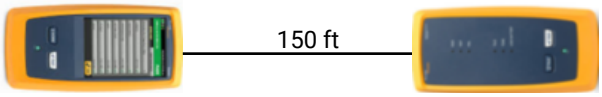
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.9	9.9	11.7	11.3
Freq. (MHz)	384.0	389.0	472.0	468.0
Limit (dB)	11.6	11.5	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.5	11.4	11.5
Freq. (MHz)	6.8	7.1	396.0	393.0
Limit (dB)	43.7	43.2	8.3	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.5	13.5	38.8	37.7
Freq. (MHz)	4.1	6.5	491.0	500.0
Limit (dB)	58.6	54.4	-22.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	13.0	39.3	39.1
Freq. (MHz)	4.1	6.6	500.0	500.0
Limit (dB)	56.1	51.7	-26.1	-26.1

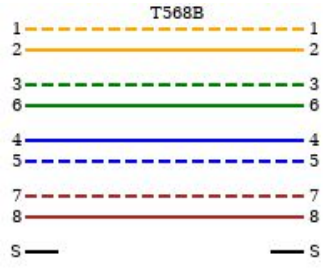
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.2	3.6	6.0	8.7
Freq. (MHz)	54.8	55.0	493.0	477.0
Limit (dB)	14.6	14.6	6.0	6.0

Compliant Network Standards:

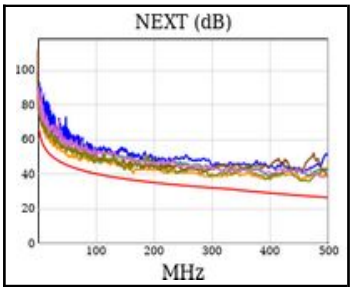
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

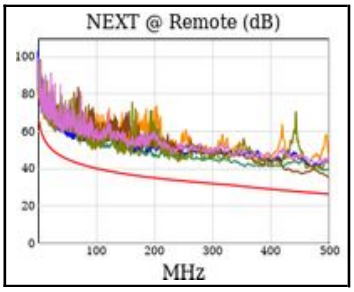


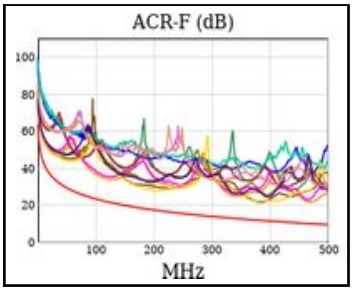
PASS

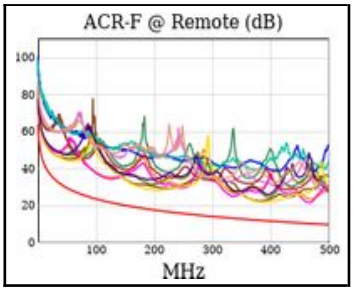


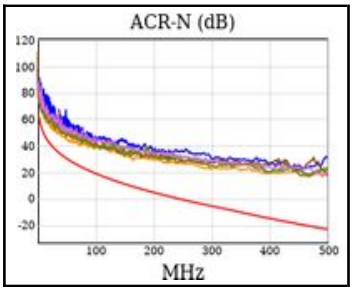


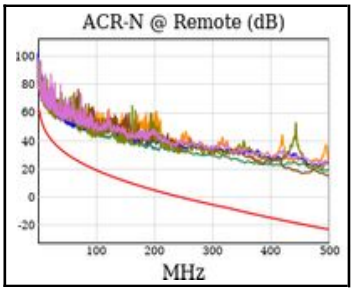


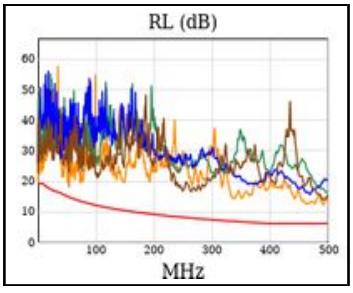


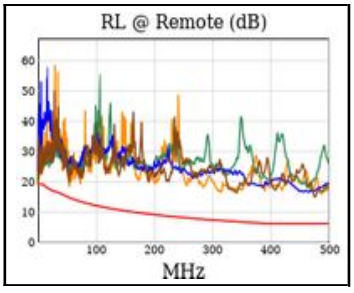












FLUKE networks

LinkWare Live

Cable ID: 108-A

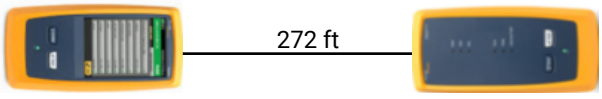
Test Summary: PASS

Date / Time: 12/11/2022 12:07:01 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

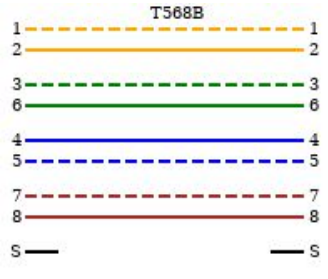
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	272
Prop. Delay (ns), Limit 555	[Pair 4,5]	422
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	17.1
Insertion Loss Margin (dB)	[Pair 3,6]	13.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

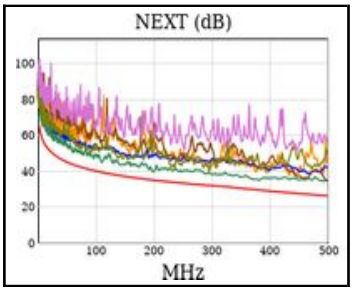


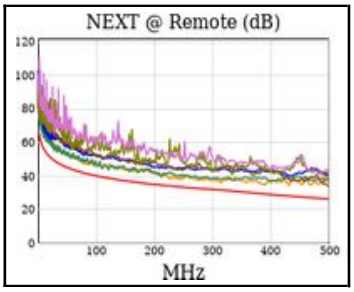
PASS



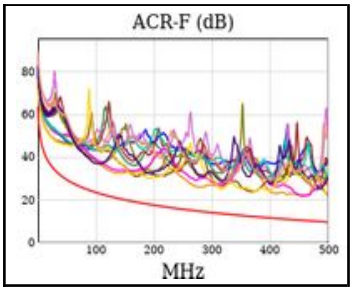


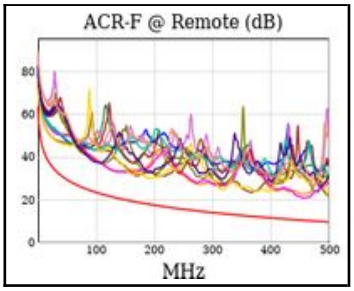
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	3,6-4,5
NEXT (dB)	4.4	4.3	8.1	7.6
Freq. (MHz)	199.0	243.5	500.0	500.0
Limit (dB)	34.8	33.3	26.1	26.1
Worst Pair	1,2	1,2	4,5	3,6
PS NEXT (dB)	6.8	4.4	8.3	8.1
Freq. (MHz)	377.0	213.0	500.0	500.0
Limit (dB)	26.5	31.4	23.2	23.2



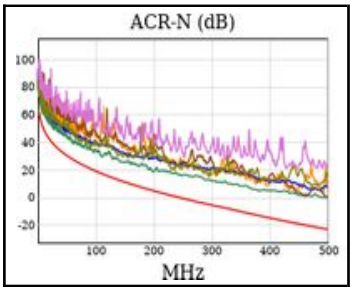


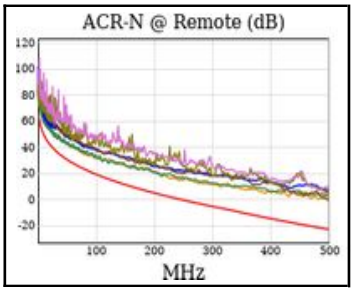
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.2	10.5	11.2	10.5
Freq. (MHz)	456.0	456.0	456.0	456.0
Limit (dB)	10.1	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	12.0	13.5	12.5
Freq. (MHz)	320.0	320.0	500.0	469.0
Limit (dB)	10.2	10.2	6.3	6.8



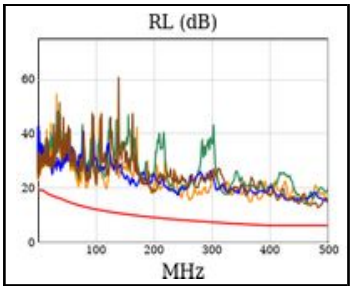


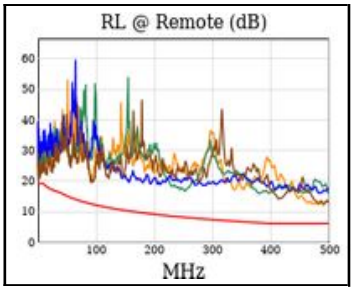
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	9.1	8.5	22.7	22.2
Freq. (MHz)	8.8	10.0	500.0	500.0
Limit (dB)	51.5	50.1	-23.2	-23.2
Worst Pair	1,2	1,2	4,5	3,6
PS ACR-N (dB)	11.0	9.3	22.9	22.0
Freq. (MHz)	7.5	13.8	500.0	500.0
Limit (dB)	50.4	44.1	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.9	2.5	6.6	5.8
Freq. (MHz)	5.4	5.5	484.0	490.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-B

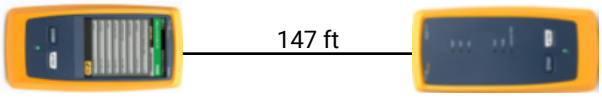
Test Summary: PASS

Date / Time: 11/22/2022 04:53:07 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

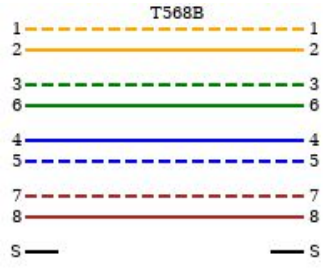
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

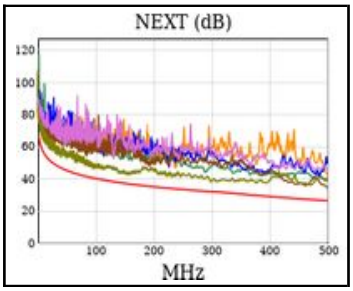
Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 3,6]	227
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.7
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

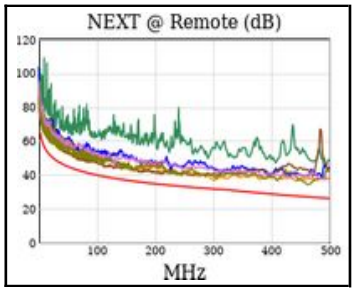


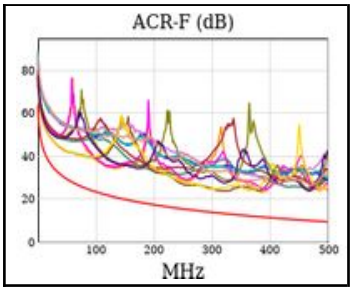
PASS

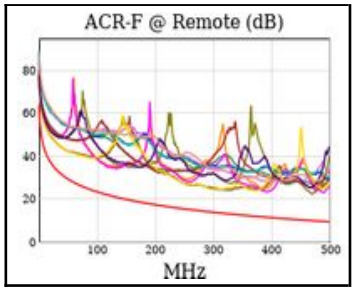


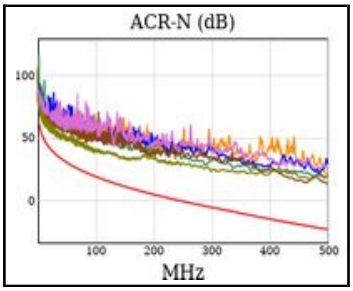


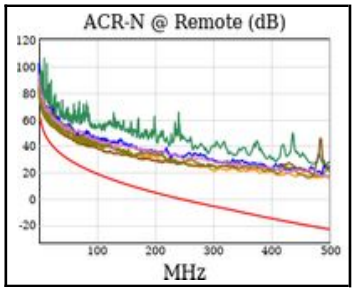


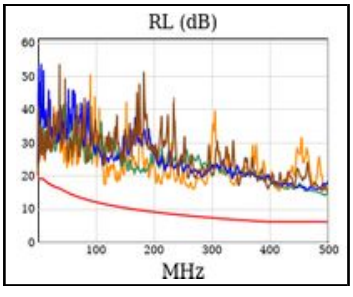


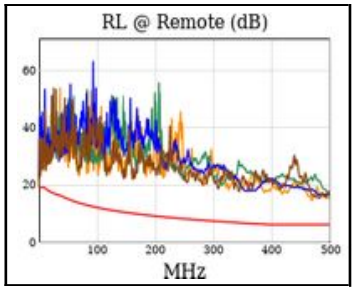












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.4	4.9	8.3	7.5
Freq. (MHz)	159.0	302.0	500.0	466.0
Limit (dB)	36.5	31.7	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.6	4.4	9.5	8.0
Freq. (MHz)	4.6	159.0	500.0	461.0
Limit (dB)	59.5	33.6	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	7,8-3,6
ACR-F (dB)	10.4	10.5	11.7	12.4
Freq. (MHz)	316.0	305.0	388.0	471.0
Limit (dB)	13.3	13.6	11.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.1	13.7	12.5
Freq. (MHz)	12.5	1.0	486.0	476.0
Limit (dB)	38.3	60.3	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	10.0	9.8	36.4	38.7
Freq. (MHz)	4.6	4.6	500.0	499.0
Limit (dB)	57.6	57.6	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.0	37.0	35.5
Freq. (MHz)	4.6	4.5	500.0	468.0
Limit (dB)	55.1	55.3	-26.1	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	5.8	8.2	7.9	8.2
Freq. (MHz)	115.5	470.0	496.0	470.0
Limit (dB)	11.4	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 107-B

Test Summary: PASS

Date / Time: 11/21/2022 01:59:41 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	222
Prop. Delay (ns), Limit 555	[Pair 3,6]	343
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	5.4	3.5	7.7	5.9
Freq. (MHz)	337.0	243.0	498.0	474.0
Limit (dB)	30.8	33.3	26.1	26.7
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.7	5.9	7.1	8.1
Freq. (MHz)	432.0	243.0	494.0	500.0
Limit (dB)	24.9	30.4	23.4	23.2

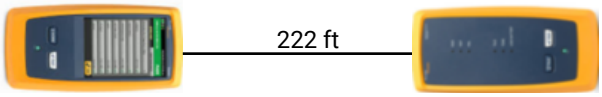
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.4	9.6	9.5
Freq. (MHz)	446.0	451.0	451.0	454.0
Limit (dB)	10.3	10.2	10.2	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.2	11.3	11.5	11.4
Freq. (MHz)	407.0	3.5	500.0	453.0
Limit (dB)	8.1	49.4	6.3	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-4,5	1,2-3,6
ACR-N (dB)	10.4	11.0	26.3	24.6
Freq. (MHz)	3.0	8.8	499.0	499.0
Limit (dB)	61.4	51.5	-23.1	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.3	11.2	25.6	26.0
Freq. (MHz)	4.4	3.0	494.0	500.0
Limit (dB)	55.6	58.4	-25.6	-26.1

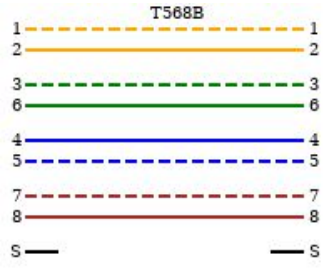
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	5.5	6.7	7.6	7.3
Freq. (MHz)	241.0	8.4	432.0	480.0
Limit (dB)	8.2	19.0	6.0	6.0

Compliant Network Standards:

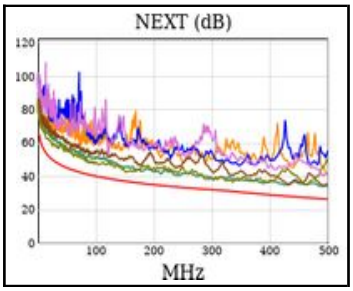
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

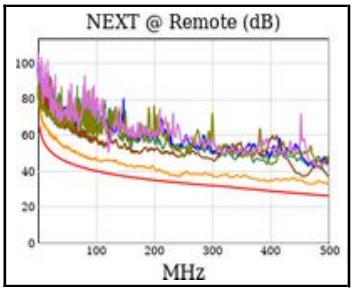


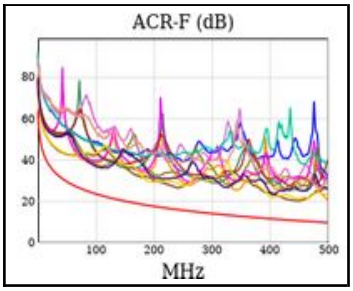
PASS

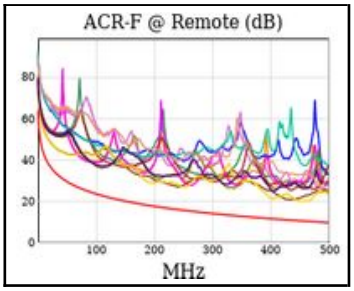


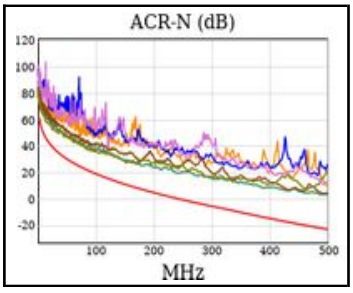


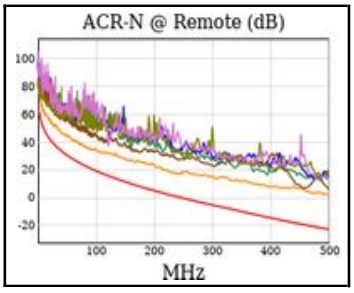


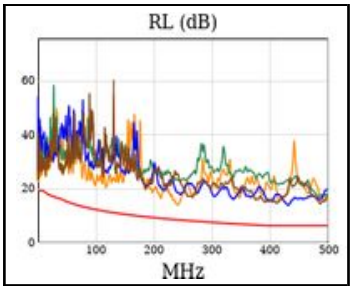


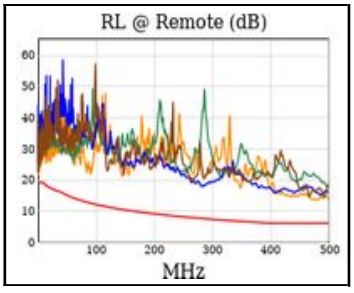












FLUKE networks

LinkWare Live

Cable ID: 108-A

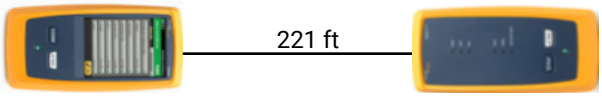
Test Summary: PASS

Date / Time: 11/21/2022 02:05:46 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

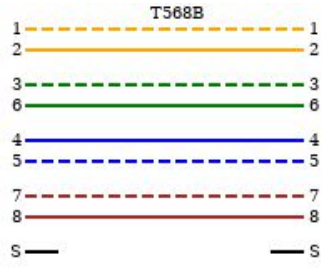
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

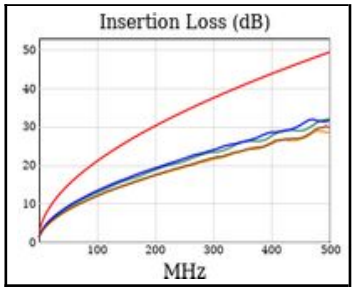
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

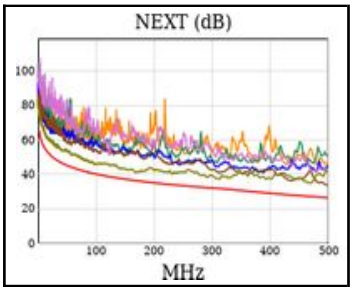
Length (ft), Limit 328	[Pair 1,2]	221
Prop. Delay (ns), Limit 555	[Pair 3,6]	341
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 4,5]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	17.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

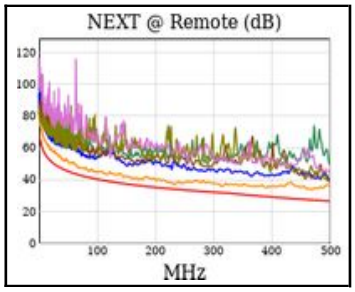


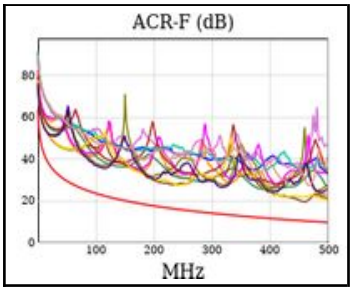
PASS

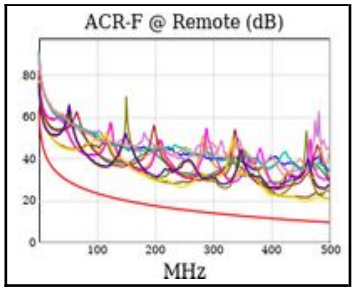


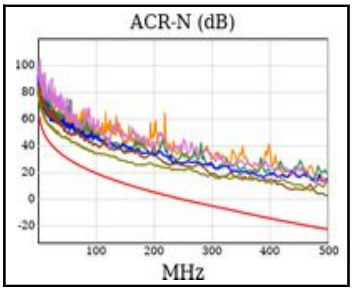


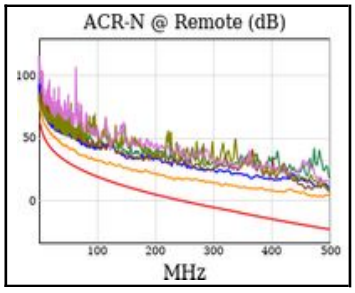


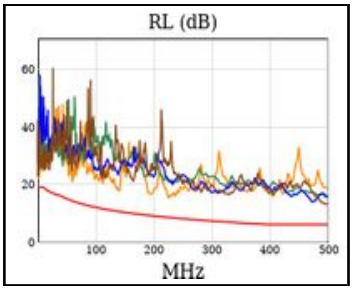


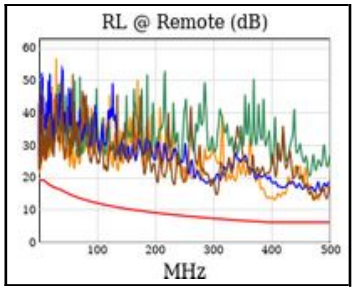












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.7	2.9	7.3	6.5
Freq. (MHz)	170.5	234.0	500.0	470.0
Limit (dB)	36.0	33.6	26.1	26.8
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	7.0	5.5	9.3	8.5
Freq. (MHz)	314.0	234.0	500.0	470.0
Limit (dB)	28.4	30.7	23.2	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	9.4	9.2	9.5
Freq. (MHz)	463.0	462.0	463.0	463.0
Limit (dB)	9.9	10.0	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.4	10.7	10.5
Freq. (MHz)	490.0	412.0	490.0	415.0
Limit (dB)	6.5	8.0	6.5	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	9.8	25.0	24.9
Freq. (MHz)	4.4	3.0	500.0	489.0
Limit (dB)	58.1	61.4	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.4	26.7	26.9
Freq. (MHz)	4.4	3.0	500.0	499.0
Limit (dB)	55.6	58.4	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.5	5.9	7.0	6.7
Freq. (MHz)	9.9	10.0	497.0	473.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-B

Test Summary: PASS

Date / Time: 11/21/2022 02:10:17 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 3,6]	281
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	23.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.1	3.0	5.6	6.3
Freq. (MHz)	160.5	248.5	463.0	469.0
Limit (dB)	36.4	33.2	27.0	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	5.3	7.0	8.6
Freq. (MHz)	461.0	248.5	461.0	497.0
Limit (dB)	24.2	30.2	24.2	23.3

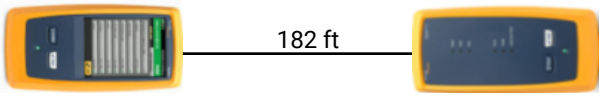
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.5	11.4	9.6
Freq. (MHz)	312.0	316.0	376.0	318.0
Limit (dB)	13.4	13.3	11.8	13.2
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.9	11.4	13.2	11.5
Freq. (MHz)	317.0	316.0	494.0	318.0
Limit (dB)	10.2	10.3	6.4	10.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	10.8	10.6	30.6	30.7
Freq. (MHz)	3.4	3.4	463.0	481.0
Limit (dB)	60.4	60.4	-20.3	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	10.3	30.6	31.9
Freq. (MHz)	3.6	3.6	461.0	497.0
Limit (dB)	57.3	57.3	-23.0	-25.8

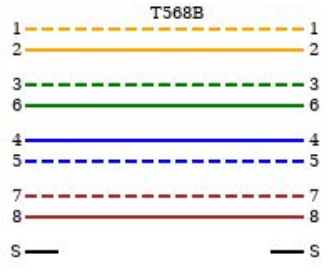
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.8	5.3	7.0	7.1
Freq. (MHz)	14.4	12.3	359.0	495.0
Limit (dB)	18.2	18.6	6.4	6.0

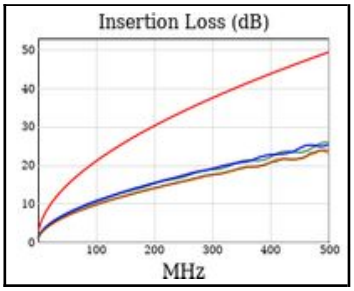
Compliant Network Standards:

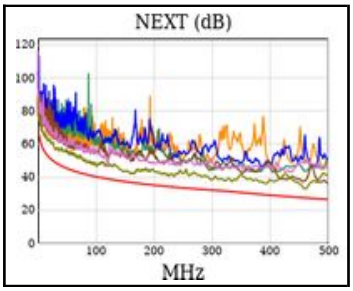
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

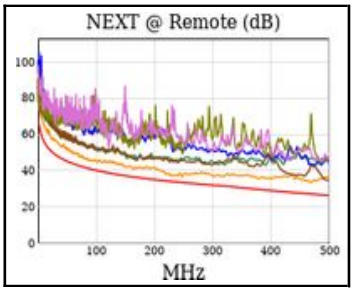


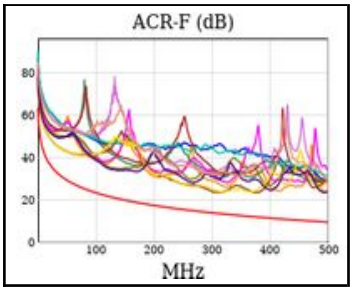
PASS

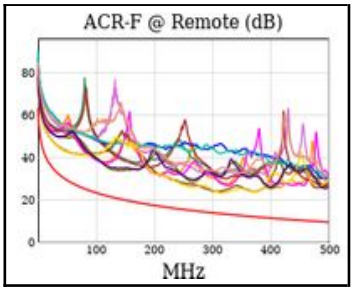


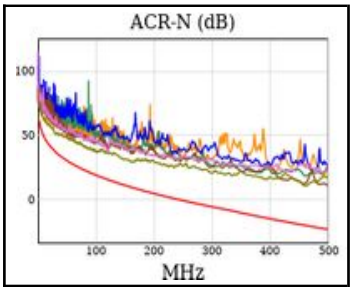


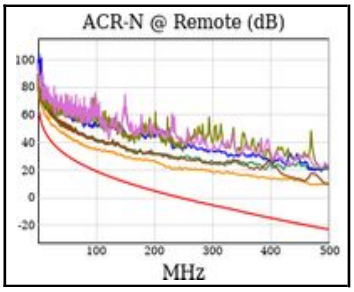


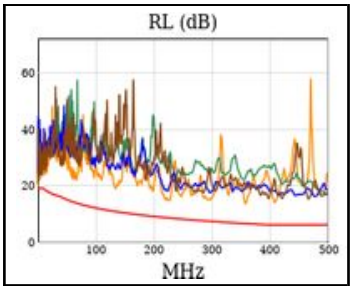


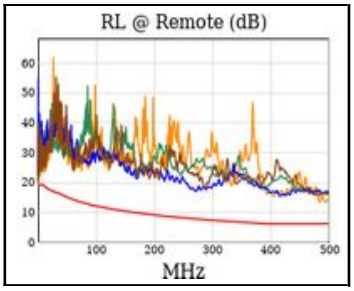












FLUKE networks

LinkWare Live

Cable ID: 107-B

Test Summary: PASS

Date / Time: 11/22/2022 12:01:10 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	206
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	3.2	3.8	7.4	6.7
Freq. (MHz)	301.0	293.0	498.0	470.0
Limit (dB)	31.7	31.9	26.1	26.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.6	3.5	8.7	7.7
Freq. (MHz)	301.0	154.5	497.0	470.0
Limit (dB)	28.7	33.8	23.3	23.9

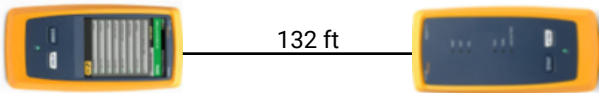
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.3	10.0	9.3
Freq. (MHz)	393.0	394.0	396.0	394.0
Limit (dB)	11.4	11.3	11.3	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.2	9.7	10.3
Freq. (MHz)	393.0	400.0	397.0	405.0
Limit (dB)	8.4	8.2	8.3	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	9.1	39.1	36.9
Freq. (MHz)	2.6	5.0	498.0	470.0
Limit (dB)	61.6	56.9	-23.1	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.0	8.4	40.4	37.9
Freq. (MHz)	5.0	5.0	498.0	470.0
Limit (dB)	54.3	54.3	-25.9	-23.7

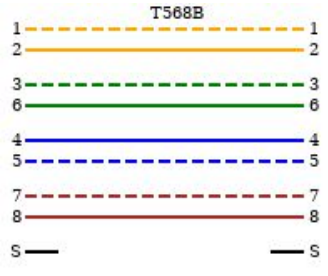
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.5	6.8	7.0	6.8
Freq. (MHz)	209.0	496.0	499.0	496.0
Limit (dB)	8.8	6.0	6.0	6.0

Compliant Network Standards:

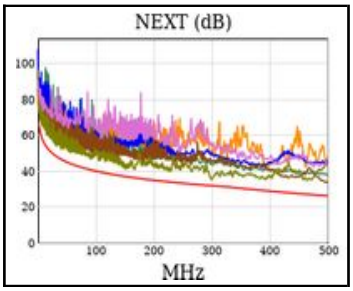
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

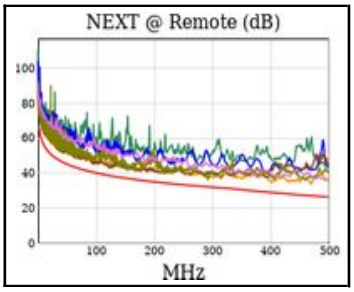


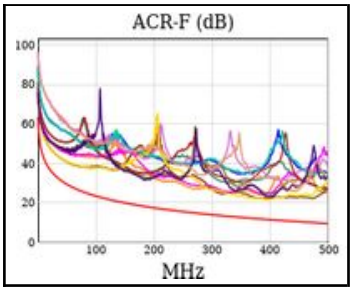
PASS

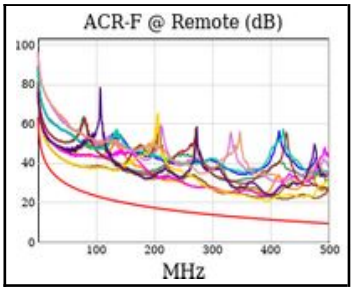


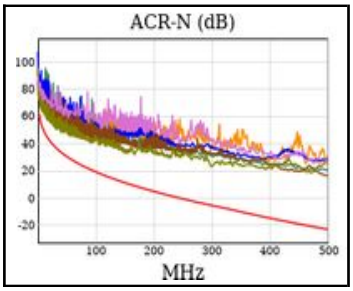


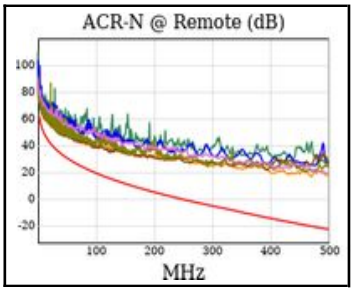


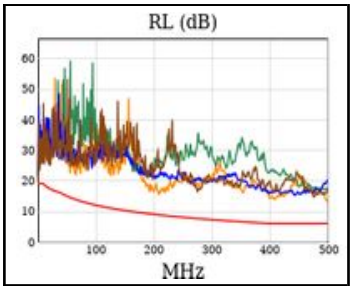


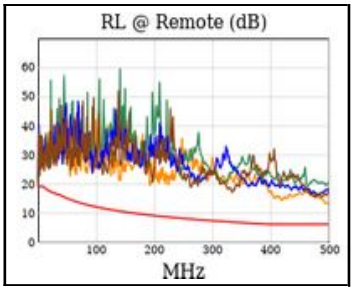












FLUKE networks

LinkWare Live

Cable ID: 108-A

Test Summary: PASS

Date / Time: 11/22/2022 12:03:09 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	126
Prop. Delay (ns), Limit 555	[Pair 3,6]	195
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.6	4.9	7.5	7.3
Freq. (MHz)	141.5	301.0	497.0	457.0
Limit (dB)	37.4	31.7	26.2	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	4.6	9.0	7.1
Freq. (MHz)	5.5	301.0	497.0	457.0
Limit (dB)	58.3	28.7	23.3	24.3

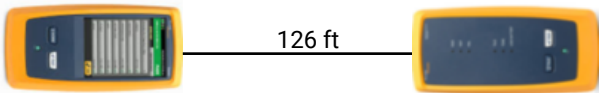
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.2	9.8	9.3	10.3
Freq. (MHz)	462.0	452.0	468.0	496.0
Limit (dB)	10.0	10.2	9.9	9.3
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	11.0	11.1	11.0	11.6
Freq. (MHz)	467.0	1.1	467.0	473.0
Limit (dB)	6.9	59.2	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	9.6	39.2	39.5
Freq. (MHz)	2.8	2.8	497.0	478.0
Limit (dB)	61.5	61.5	-23.0	-21.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	9.0	40.1	38.6
Freq. (MHz)	5.4	5.3	497.0	469.0
Limit (dB)	53.7	53.9	-25.8	-23.6

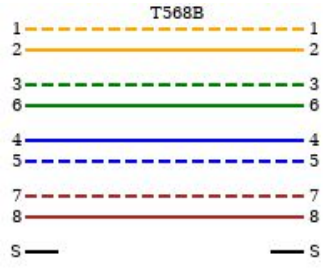
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	8.2	7.0	8.2	7.0
Freq. (MHz)	496.0	426.0	496.0	426.0
Limit (dB)	6.0	6.0	6.0	6.0

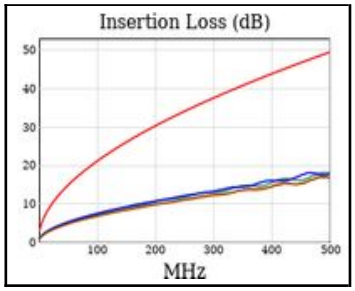
Compliant Network Standards:

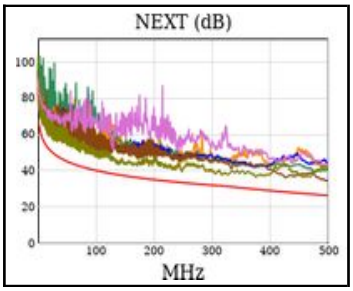
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

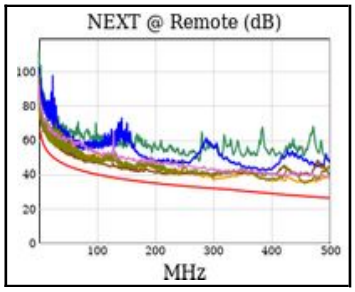


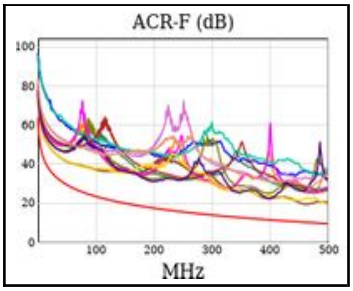
PASS

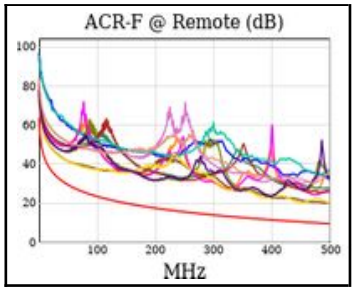


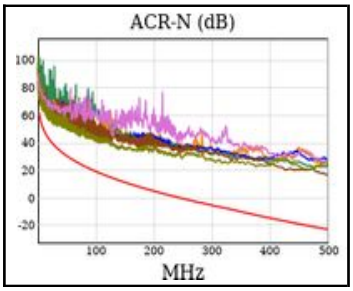


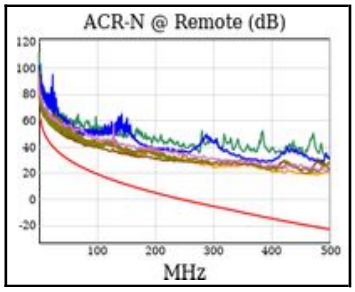


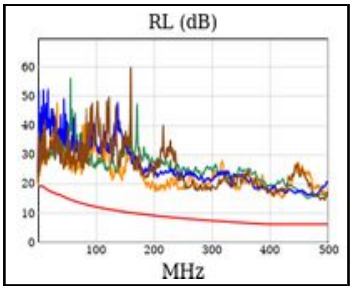


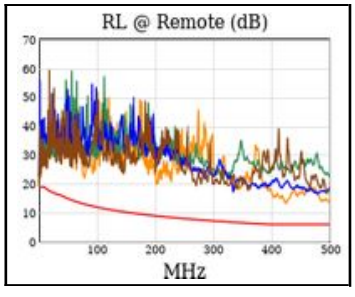












FLUKE networks

LinkWare Live

Cable ID: 108-B

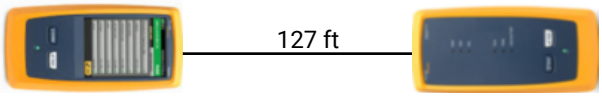
Test Summary: PASS

Date / Time: 11/22/2022 12:04:02 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

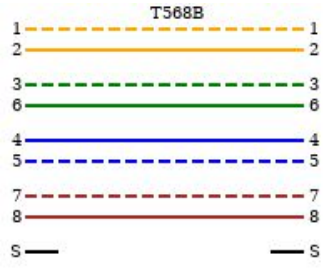
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

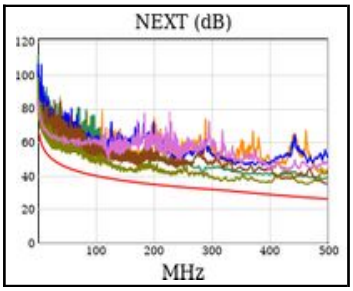
Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	196
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

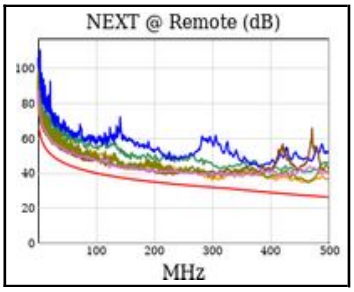


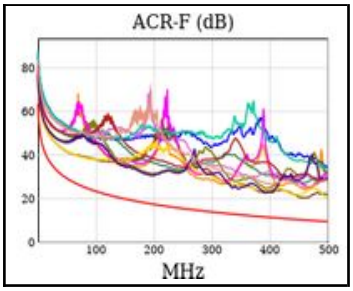
PASS

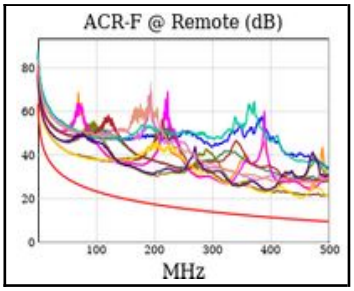


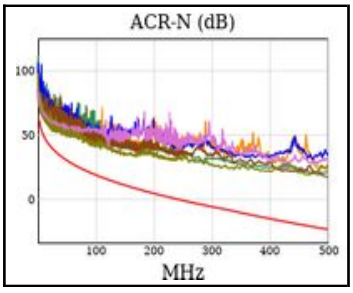


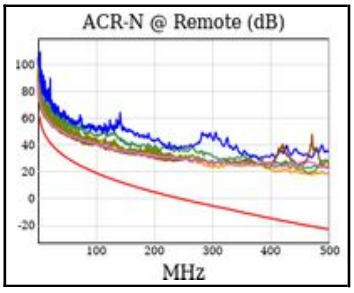


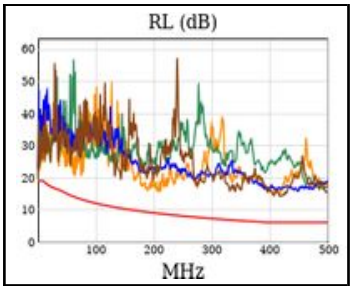


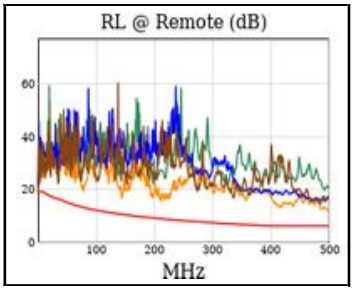












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-7,8
NEXT (dB)	5.0	4.2	7.8	7.5
Freq. (MHz)	315.0	301.0	467.0	467.0
Limit (dB)	31.4	31.7	26.9	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.3	4.0	9.9	7.6
Freq. (MHz)	5.3	301.0	498.0	467.0
Limit (dB)	58.6	28.7	23.3	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.2	10.8	10.3
Freq. (MHz)	461.0	452.0	500.0	453.0
Limit (dB)	10.0	10.2	9.3	10.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.2	11.3	11.3	12.0
Freq. (MHz)	1.0	1.1	461.0	453.0
Limit (dB)	60.3	59.2	7.0	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	9.9	40.6	38.4
Freq. (MHz)	2.9	2.6	500.0	469.0
Limit (dB)	61.4	61.6	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	8.7	41.0	38.2
Freq. (MHz)	5.3	5.3	498.0	467.0
Limit (dB)	53.9	53.9	-25.9	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.5	5.6	8.0	5.6
Freq. (MHz)	64.8	498.0	420.0	498.0
Limit (dB)	13.9	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-A

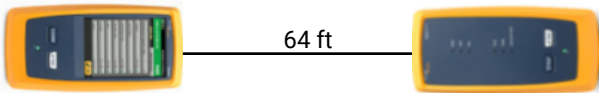
Test Summary: PASS

Date / Time: 11/25/2022 11:59:28 AM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

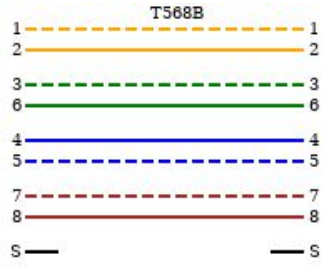
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

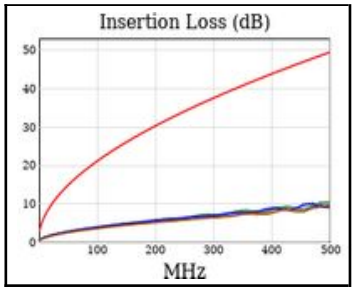
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

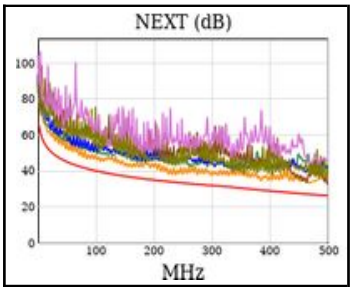
Length (ft), Limit 328	[Pair 1,2]	64
Prop. Delay (ns), Limit 555	[Pair 3,6]	98
Delay Skew (ns), Limit 50	[Pair 3,6]	3
Resistance (ohms)	[Pair 7,8]	3.5
Insertion Loss Margin (dB)	[Pair 3,6]	38.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

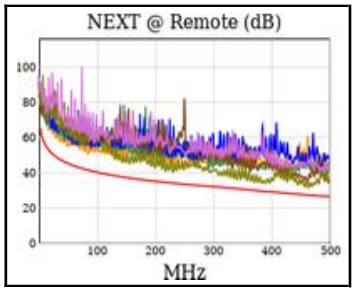


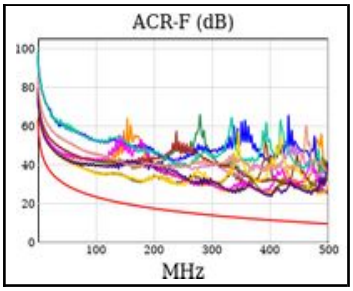
PASS

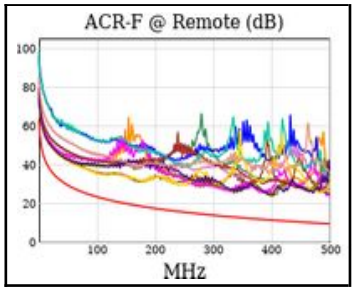


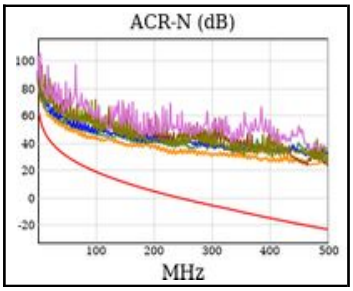


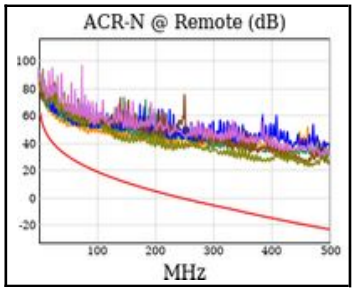


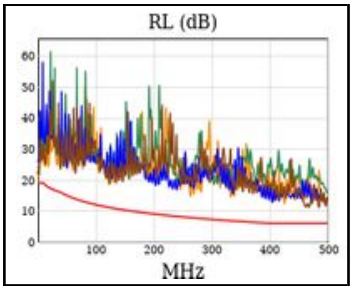


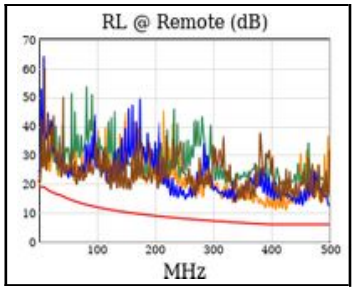












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.1	3.8	6.2	3.8
Freq. (MHz)	226.0	464.0	500.0	464.0
Limit (dB)	33.9	27.0	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	5.7	6.6	5.7
Freq. (MHz)	232.5	464.0	499.0	464.0
Limit (dB)	30.7	24.1	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	11.6	11.5	12.2	12.3
Freq. (MHz)	100.5	100.0	403.0	403.0
Limit (dB)	23.2	23.3	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.0	13.0	13.5
Freq. (MHz)	1.4	1.3	394.0	400.0
Limit (dB)	57.5	58.3	8.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	14.1	15.8	46.4	42.8
Freq. (MHz)	4.8	5.8	500.0	464.0
Limit (dB)	57.3	55.6	-23.2	-20.4
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	14.7	14.9	45.7	47.1
Freq. (MHz)	5.4	5.4	499.0	500.0
Limit (dB)	53.7	53.7	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.9	4.9	4.9	4.9
Freq. (MHz)	485.0	426.0	485.0	426.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 108-A

Test Summary: PASS

Date / Time: 11/27/2022 05:58:19 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	328
Prop. Delay (ns), Limit 555	[Pair 4,5]	519
Delay Skew (ns), Limit 50	[Pair 4,5]	30
Resistance (ohms)	[Pair 3,6]	16.6
Insertion Loss Margin (dB)	[Pair 3,6]	4.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	2.6	6.7	5.8
Freq. (MHz)	6.0	12.1	401.0	500.0
Limit (dB)	60.2	55.2	28.7	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.3	3.5	7.4	7.3
Freq. (MHz)	3.0	12.1	401.0	494.0
Limit (dB)	62.0	52.6	25.8	23.4

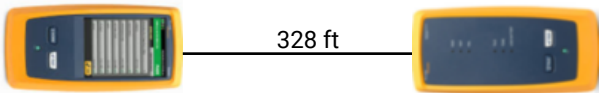
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	1,2-3,6
ACR-F (dB)	9.3	9.8	9.3	10.6
Freq. (MHz)	424.0	424.0	424.0	463.0
Limit (dB)	10.7	10.7	10.7	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.3	11.8	11.0
Freq. (MHz)	401.0	199.5	500.0	500.0
Limit (dB)	8.2	14.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	4.9	3.5	16.8	11.0
Freq. (MHz)	6.0	12.1	500.0	500.0
Limit (dB)	55.1	48.1	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	3.8	4.4	16.1	12.0
Freq. (MHz)	3.0	12.1	500.0	494.0
Limit (dB)	58.4	45.5	-26.1	-25.6

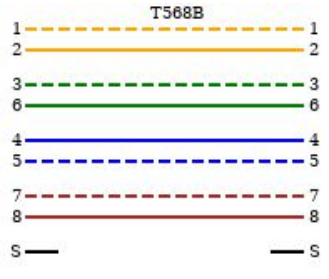
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.5	3.9	6.3	5.6
Freq. (MHz)	3.5	3.5	479.0	474.0
Limit (dB)	19.0	19.0	6.0	6.0

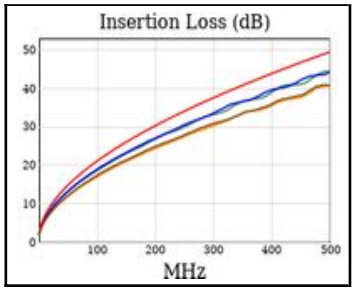
Compliant Network Standards:

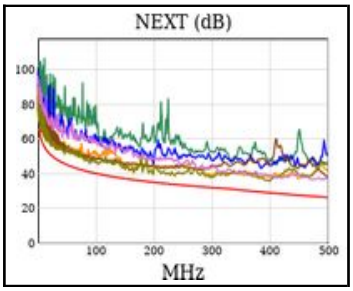
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

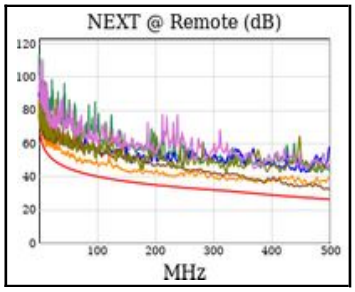


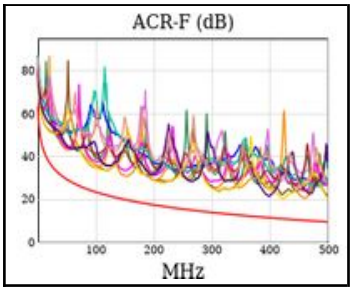
PASS

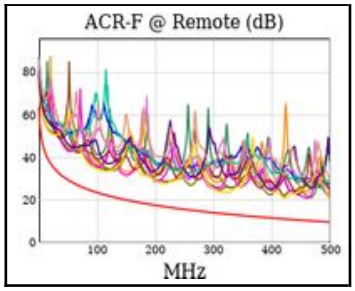


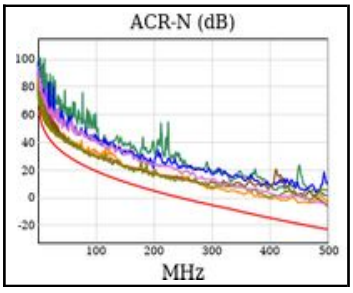


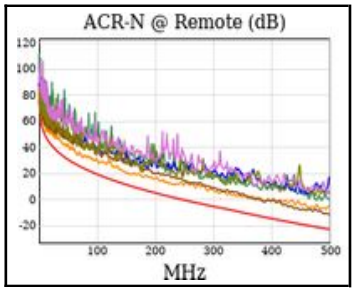


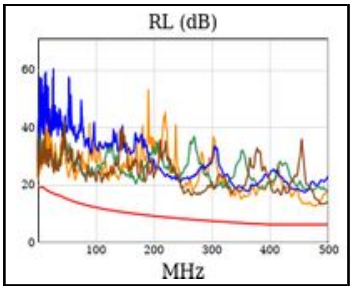


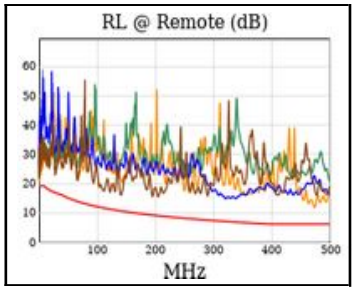












FLUKE networks

LinkWare Live

Cable ID: 108-B

Test Summary: PASS

Date / Time: 12/17/2022 03:48:51 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	339
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	20.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.1	4.4	7.1	8.1
Freq. (MHz)	288.0	307.0	484.0	495.0
Limit (dB)	32.1	31.6	26.5	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	5.4	7.0	7.0
Freq. (MHz)	273.0	296.0	487.0	457.0
Limit (dB)	29.5	28.9	23.5	24.3

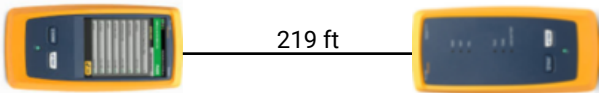
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.7	10.5	9.9
Freq. (MHz)	447.0	447.0	466.0	454.0
Limit (dB)	10.3	10.3	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.5	11.6	12.6	11.7
Freq. (MHz)	254.0	476.0	493.0	481.0
Limit (dB)	12.2	6.7	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	8.9	9.2	28.2	28.5
Freq. (MHz)	6.3	6.3	484.0	495.0
Limit (dB)	54.8	54.8	-22.0	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	9.0	27.2	29.6
Freq. (MHz)	6.1	3.0	487.0	495.0
Limit (dB)	52.4	58.4	-25.1	-25.7

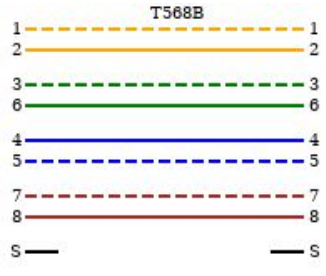
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.8	5.6	5.8	8.3
Freq. (MHz)	496.0	8.4	496.0	484.0
Limit (dB)	6.0	19.0	6.0	6.0

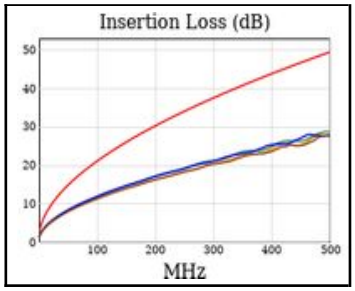
Compliant Network Standards:

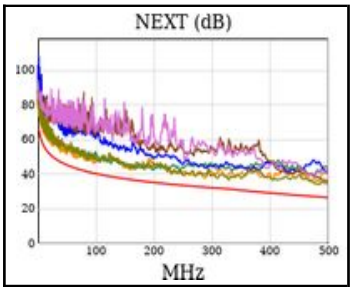
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

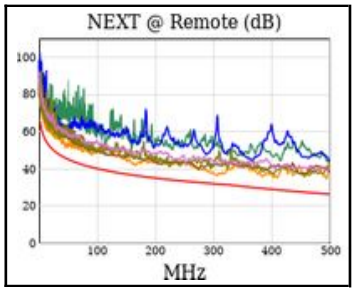


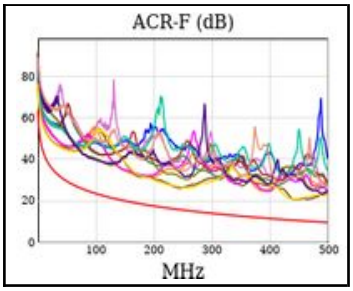
PASS

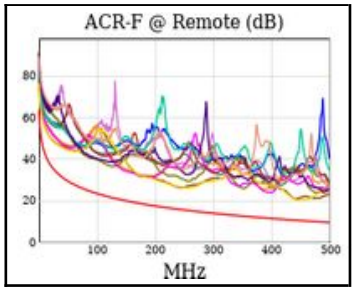


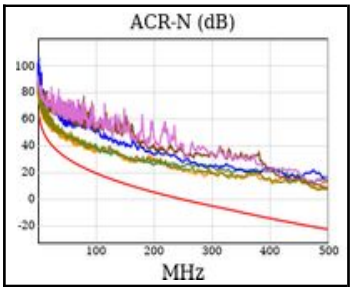


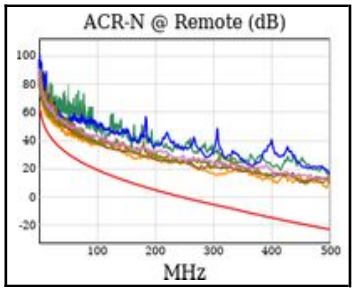


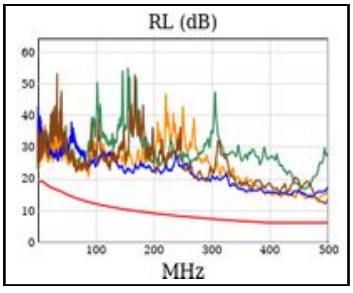


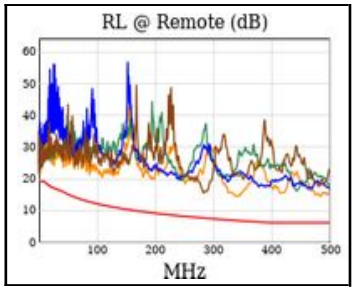












FLUKE networks

LinkWare Live

Cable ID: 108-B

Test Summary: PASS

Date / Time: 12/19/2022 01:41:28 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	115
Prop. Delay (ns), Limit 555	[Pair 4,5]	179
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 3,6]	32.1
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	5.2	6.6	9.6	6.8
Freq. (MHz)	177.0	217.0	461.0	481.0
Limit (dB)	35.7	34.2	27.1	26.6
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.1	7.5	9.1	7.6
Freq. (MHz)	229.5	493.0	462.0	496.0
Limit (dB)	30.8	23.4	24.1	23.3

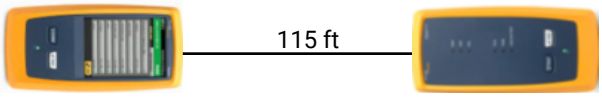
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.3	10.8	10.7
Freq. (MHz)	6.5	6.5	447.0	453.0
Limit (dB)	47.0	47.0	10.3	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.9	11.9	12.0
Freq. (MHz)	6.5	6.5	473.0	469.0
Limit (dB)	44.0	44.0	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	9.5	9.6	42.1	39.8
Freq. (MHz)	2.9	3.0	475.0	481.0
Limit (dB)	61.4	61.4	-21.2	-21.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.0	11.0	41.2	41.4
Freq. (MHz)	2.9	3.1	462.0	496.0
Limit (dB)	58.4	58.3	-23.1	-25.8

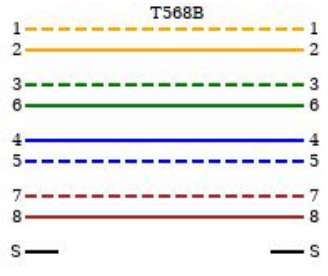
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	6.3	3.3	6.9	4.5
Freq. (MHz)	343.0	18.5	497.0	480.0
Limit (dB)	6.6	17.7	6.0	6.0

Compliant Network Standards:

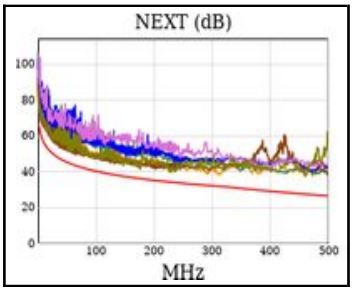
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

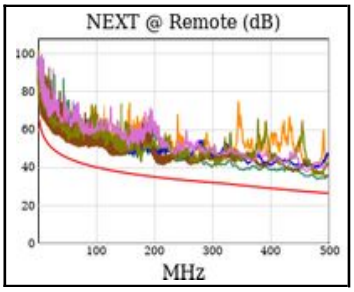


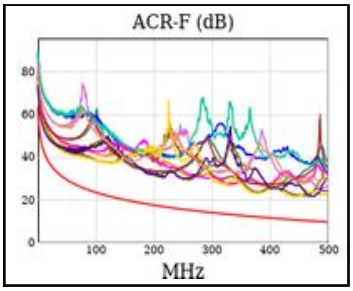
PASS

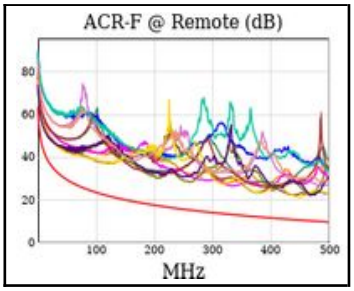


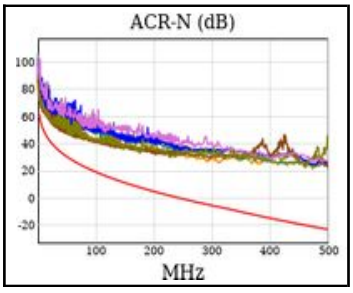


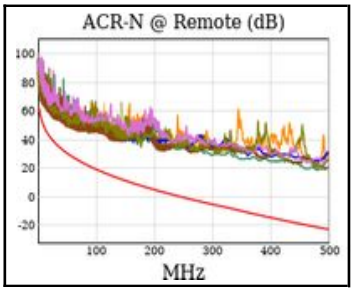


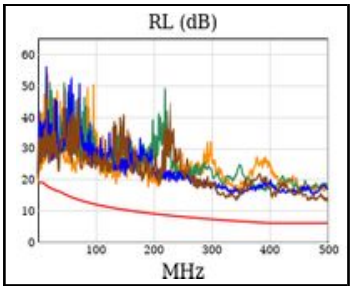


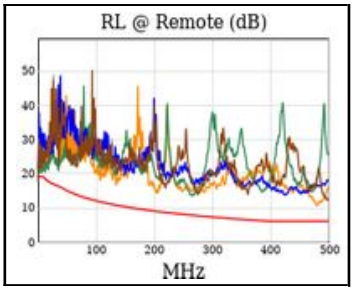












FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 12/19/2022 01:46:36 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	142
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	16.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-4,5	1,2-4,5	1,2-4,5
NEXT (dB)	4.9	6.8	5.1	7.9
Freq. (MHz)	423.0	4.6	469.0	497.0
Limit (dB)	28.1	62.0	26.9	26.2
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	5.1	7.6	7.4	7.6
Freq. (MHz)	230.5	497.0	477.0	497.0
Limit (dB)	30.8	23.3	23.8	23.3

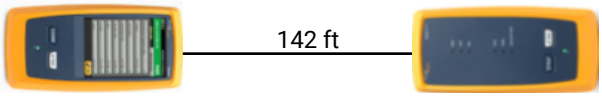
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.6	11.0	10.7	11.1
Freq. (MHz)	371.0	371.0	372.0	376.0
Limit (dB)	11.9	11.9	11.8	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.3	12.4	13.1
Freq. (MHz)	5.3	5.3	391.0	391.0
Limit (dB)	45.9	45.9	8.4	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-4,5
ACR-N (dB)	8.7	9.6	33.7	38.2
Freq. (MHz)	4.5	4.6	469.0	497.0
Limit (dB)	57.8	57.6	-20.8	-23.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.2	10.7	35.8	37.2
Freq. (MHz)	4.4	4.6	469.0	495.0
Limit (dB)	55.6	55.1	-23.6	-25.7

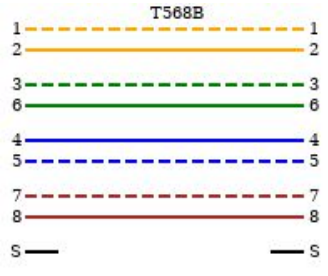
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	3,6	1,2
RL (dB)	6.9	1.9	7.3	4.6
Freq. (MHz)	21.1	12.8	464.0	270.0
Limit (dB)	17.4	18.5	6.0	7.7

Compliant Network Standards:

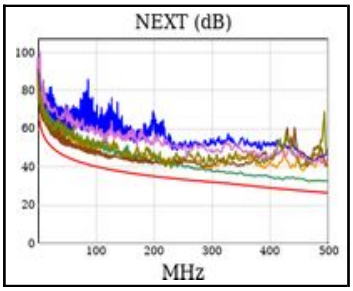
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

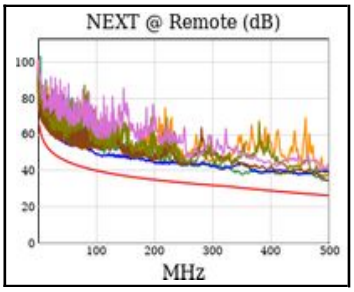


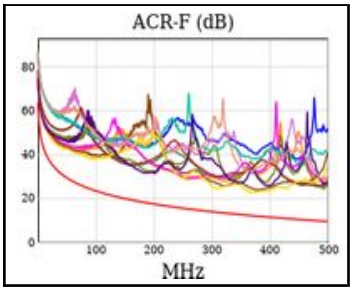
PASS

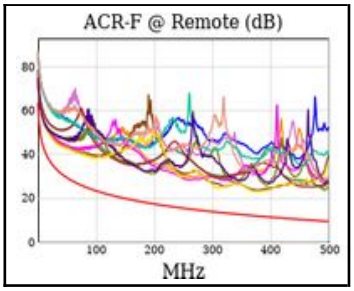


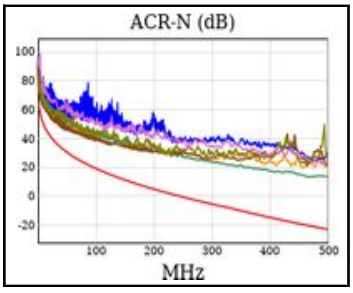


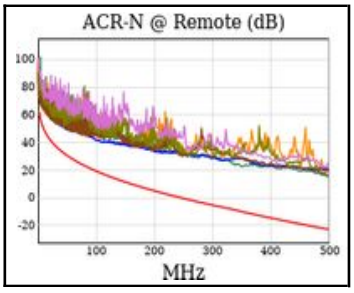


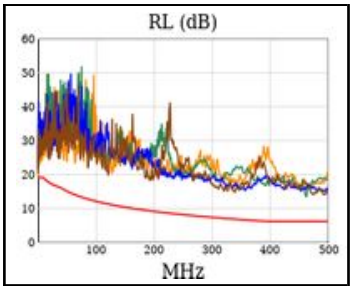


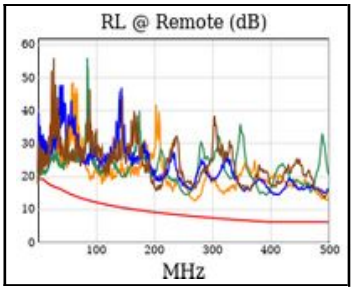












FLUKE networks

LinkWare Live

Cable ID: 108-B

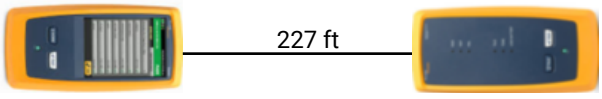
Test Summary: PASS

Date / Time: 11/25/2022 02:09:09 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

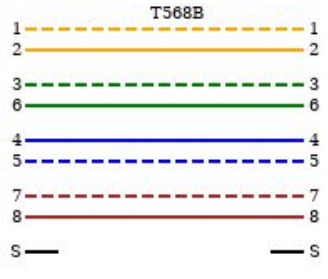
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

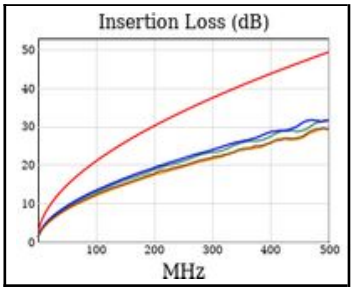
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	227
Prop. Delay (ns), Limit 555	[Pair 3,6]	351
Delay Skew (ns), Limit 50	[Pair 3,6]	13
Resistance (ohms)	[Pair 7,8]	13.3
Insertion Loss Margin (dB)	[Pair 4,5]	17.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

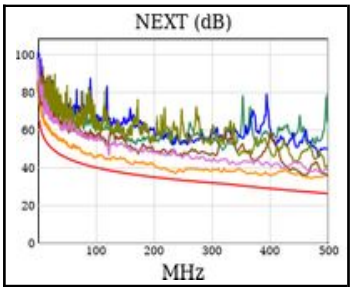


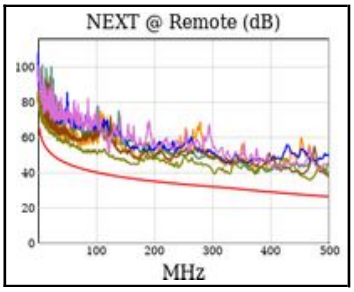
PASS



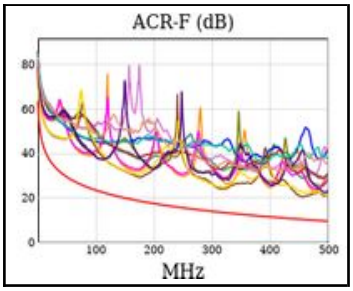


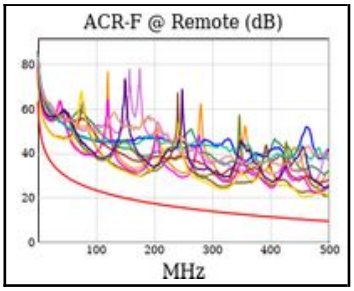
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.4	7.5	7.3	8.6
Freq. (MHz)	237.0	305.0	471.0	468.0
Limit (dB)	33.5	31.6	26.8	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	8.5	8.9	11.4
Freq. (MHz)	240.0	172.5	500.0	500.0
Limit (dB)	30.5	33.0	23.2	23.2



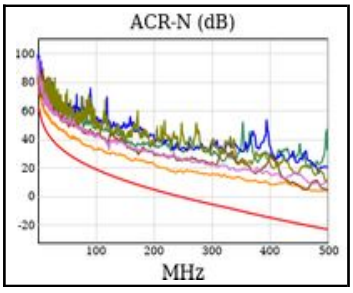


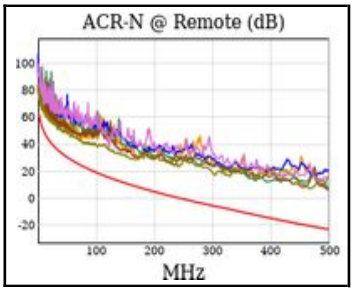
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.1	10.3	10.1
Freq. (MHz)	457.0	462.0	459.0	462.0
Limit (dB)	10.1	10.0	10.0	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.2	11.8	11.2
Freq. (MHz)	327.0	493.0	498.0	493.0
Limit (dB)	10.0	6.4	6.3	6.4



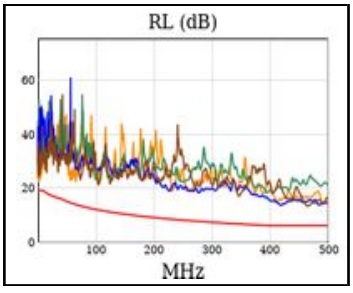


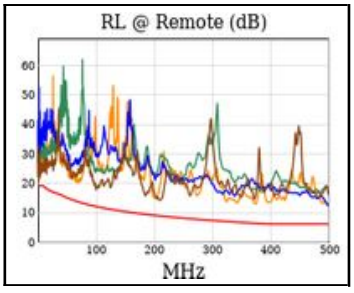
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	11.2	25.4	29.1
Freq. (MHz)	12.0	2.8	485.0	500.0
Limit (dB)	48.2	61.5	-22.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	10.3	26.7	29.2
Freq. (MHz)	4.4	2.9	500.0	500.0
Limit (dB)	55.6	58.4	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	4,5
RL (dB)	7.1	4.4	7.1	6.2
Freq. (MHz)	466.0	6.6	466.0	500.0
Limit (dB)	6.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/25/2022 02:17:11 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	199
Prop. Delay (ns), Limit 555	[Pair 3,6]	308
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 7,8]	9.7
Insertion Loss Margin (dB)	[Pair 4,5]	19.6
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.1	4.1	6.7	7.1
Freq. (MHz)	237.5	159.0	475.0	471.0
Limit (dB)	33.5	36.5	26.7	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	6.3	7.5	8.9
Freq. (MHz)	237.0	159.0	468.0	461.0
Limit (dB)	30.6	33.6	24.0	24.2

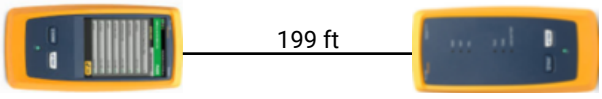
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.2	10.6	10.2
Freq. (MHz)	384.0	383.0	384.0	383.0
Limit (dB)	11.6	11.6	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	11.6	12.2	12.9
Freq. (MHz)	389.0	5.4	491.0	481.0
Limit (dB)	8.5	45.6	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	11.2	10.1	27.6	29.6
Freq. (MHz)	3.3	3.3	475.0	471.0
Limit (dB)	60.7	60.7	-21.2	-20.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	9.8	30.7	30.6
Freq. (MHz)	3.3	3.3	500.0	472.0
Limit (dB)	58.2	58.2	-26.1	-23.9

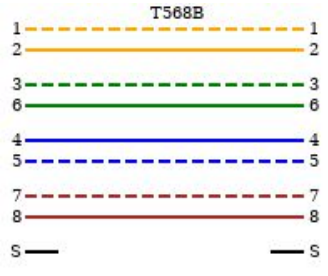
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	5.3	5.8	5.5	5.8
Freq. (MHz)	38.5	499.0	490.0	499.0
Limit (dB)	16.1	6.0	6.0	6.0

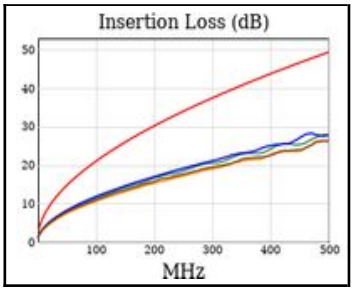
Compliant Network Standards:

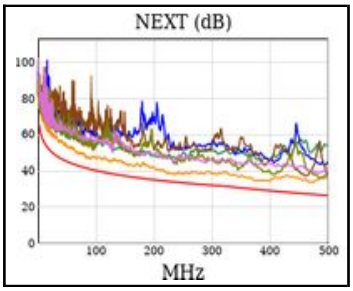
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

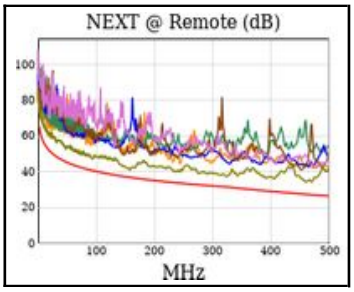


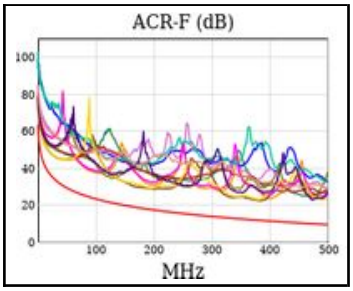
PASS

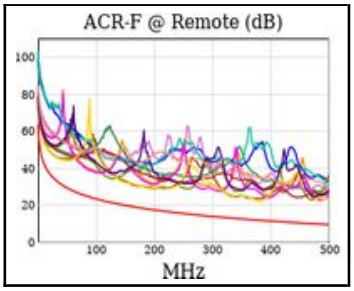


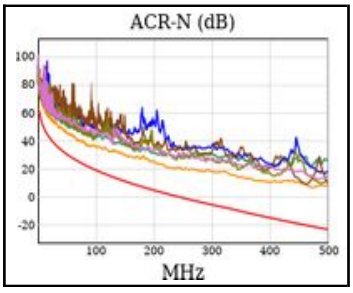


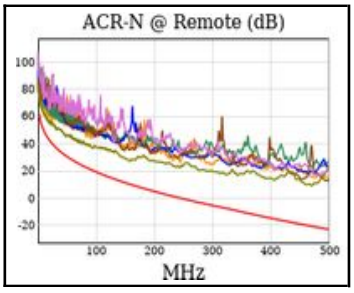


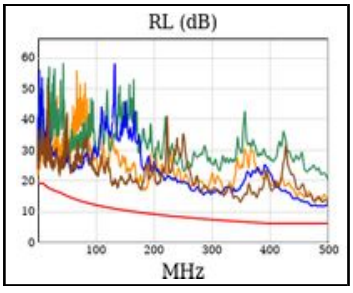


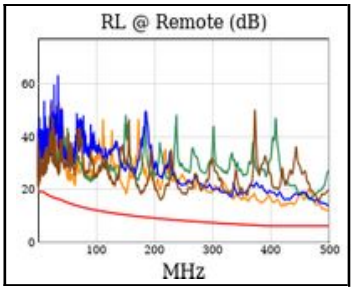












FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/26/2022 12:20:38 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	128
Prop. Delay (ns), Limit 555	[Pair 3,6]	198
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.1	3.9	4.3	3.9
Freq. (MHz)	237.0	500.0	463.0	500.0
Limit (dB)	33.5	26.1	27.0	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.1	5.1	5.1	5.1
Freq. (MHz)	237.0	498.0	498.0	498.0
Limit (dB)	30.6	23.3	23.3	23.3

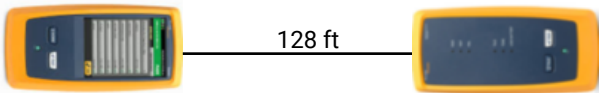
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	9.6	9.8	9.6
Freq. (MHz)	373.0	380.0	373.0	380.0
Limit (dB)	11.8	11.7	11.8	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	12.5	12.2
Freq. (MHz)	327.0	327.0	399.0	400.0
Limit (dB)	10.0	10.0	8.2	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.0	11.0	35.4	35.3
Freq. (MHz)	4.9	5.4	477.0	500.0
Limit (dB)	57.1	56.2	-21.4	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.5	10.8	36.0	36.8
Freq. (MHz)	5.3	5.3	498.0	500.0
Limit (dB)	53.9	53.9	-25.9	-26.1

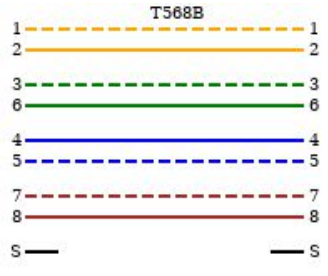
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.8	6.0	5.8	6.8
Freq. (MHz)	478.0	75.8	478.0	452.0
Limit (dB)	6.0	13.2	6.0	6.0

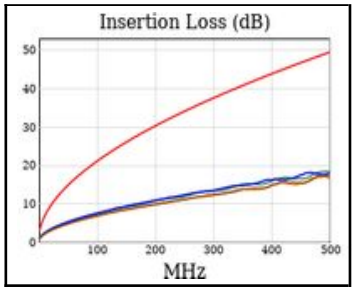
Compliant Network Standards:

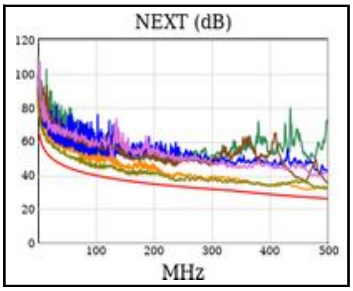
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

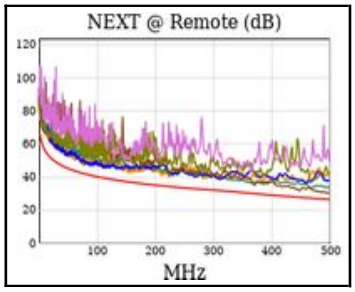


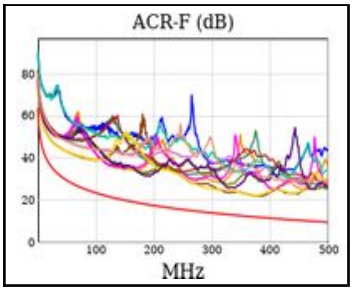
PASS

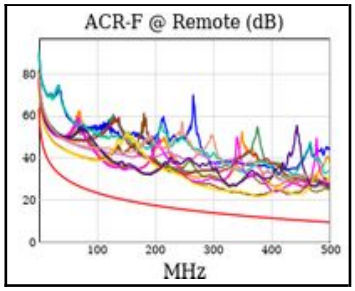


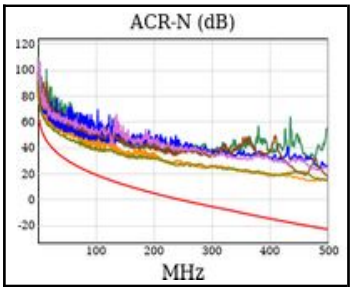


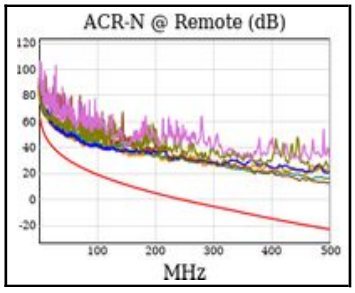


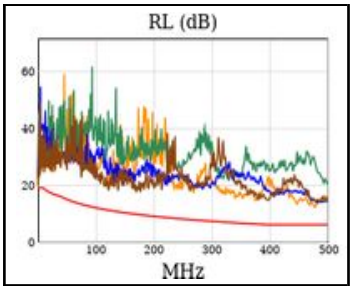


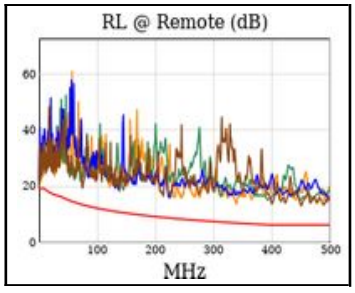












FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/27/2022 12:05:17 PM
Headroom: 1.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	151
Prop. Delay (ns), Limit 555	[Pair 4,5]	239
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	1.6	3.5	3.9	9.3
Freq. (MHz)	23.1	23.1	500.0	500.0
Limit (dB)	50.6	50.6	26.1	26.1
Worst Pair	3,6	3,6	4,5	4,5
PS NEXT (dB)	3.9	4.1	5.9	9.3
Freq. (MHz)	23.0	173.0	500.0	500.0
Limit (dB)	48.0	32.9	23.2	23.2

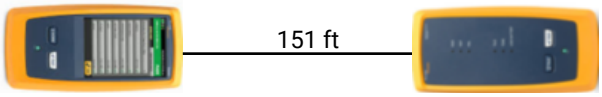
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	3,6-7,8
ACR-F (dB)	9.2	9.7	9.2	10.6
Freq. (MHz)	474.0	4.6	474.0	474.0
Limit (dB)	9.7	50.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.2	10.4	11.2
Freq. (MHz)	5.3	5.3	474.0	470.0
Limit (dB)	45.9	45.9	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.2	8.2	32.4	38.3
Freq. (MHz)	23.0	9.1	500.0	500.0
Limit (dB)	40.8	51.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.6	9.1	33.7	37.8
Freq. (MHz)	23.1	8.8	500.0	500.0
Limit (dB)	38.1	48.9	-26.1	-26.1

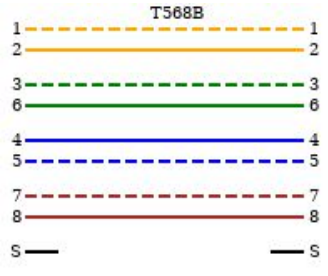
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	3.7	4.3	6.1	5.2
Freq. (MHz)	114.0	56.5	478.0	466.0
Limit (dB)	11.4	14.5	6.0	6.0

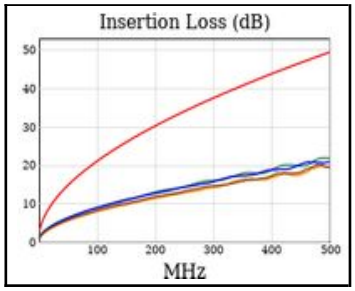
Compliant Network Standards:

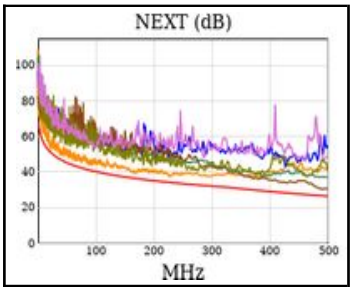
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

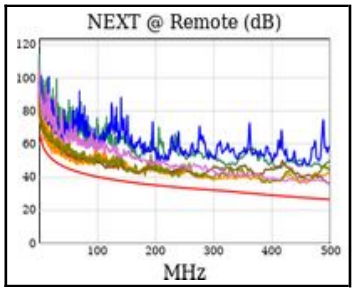


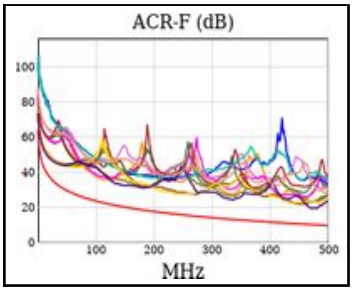
PASS

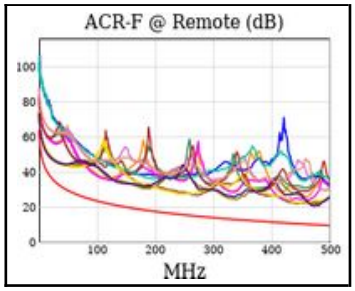


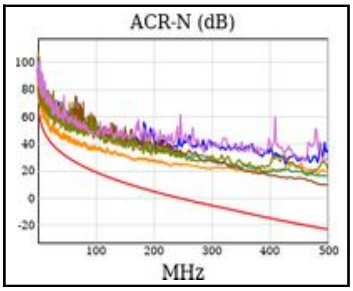


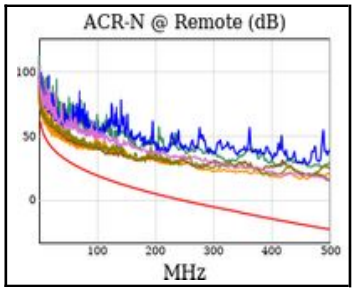


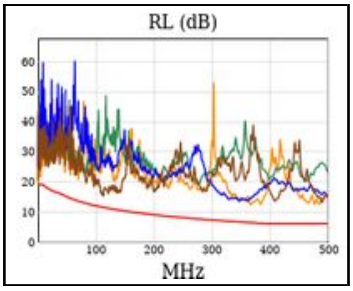


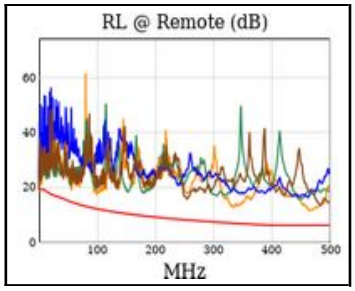












FLUKE networks

LinkWare™ Live

Cable ID: 108-B

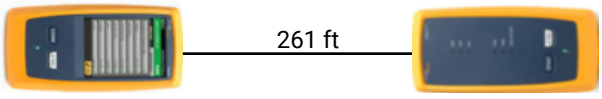
Test Summary: PASS

Date / Time: 12/11/2022 11:48:11 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

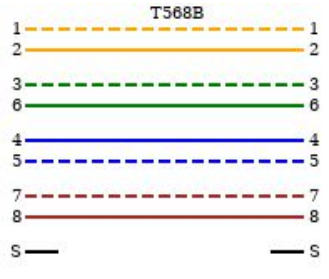
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

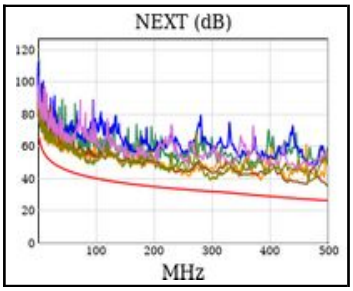
Length (ft), Limit 328	[Pair 7,8]	261
Prop. Delay (ns), Limit 555	[Pair 4,5]	407
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	21.2
Insertion Loss Margin (dB)	[Pair 3,6]	14.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

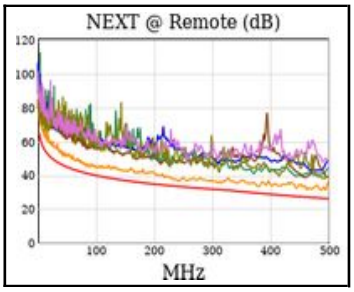


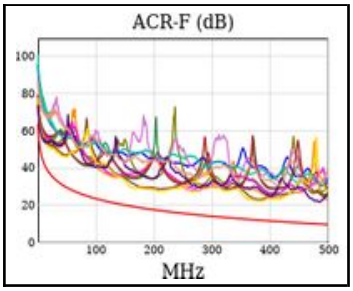
PASS

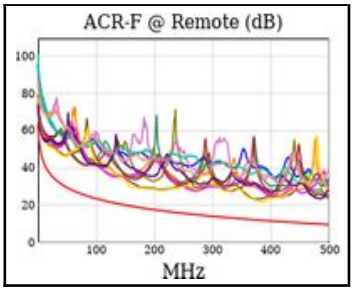


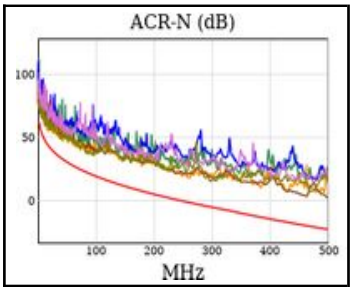


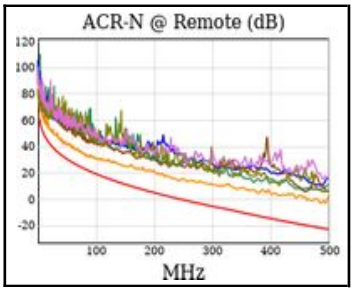


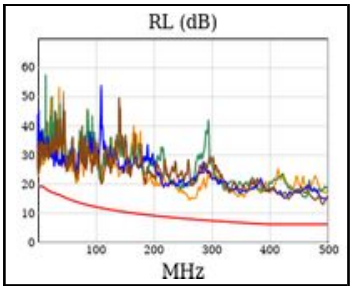


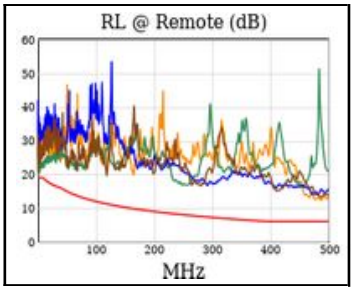












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	3.2	9.1	4.8
Freq. (MHz)	298.0	242.0	500.0	495.0
Limit (dB)	31.8	33.4	26.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.0	5.8	9.8	6.5
Freq. (MHz)	298.0	242.0	431.0	495.0
Limit (dB)	28.8	30.4	24.9	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	9.9	10.0	11.8	10.0
Freq. (MHz)	167.5	385.0	486.0	385.0
Limit (dB)	18.8	11.5	9.5	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	11.0	10.7	11.4
Freq. (MHz)	1.4	2.8	404.0	403.0
Limit (dB)	57.5	51.5	8.1	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	9.3	24.9	19.3
Freq. (MHz)	3.6	43.3	500.0	495.0
Limit (dB)	59.8	32.5	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.7	26.6	21.0
Freq. (MHz)	5.0	3.8	500.0	495.0
Limit (dB)	54.3	57.0	-26.1	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	6.5	2.0	6.8	6.3
Freq. (MHz)	263.0	4.3	492.0	488.0
Limit (dB)	7.8	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-A

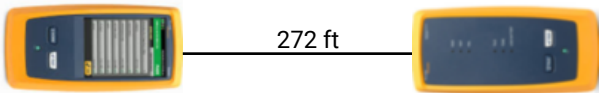
Test Summary: PASS

Date / Time: 12/11/2022 12:03:24 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

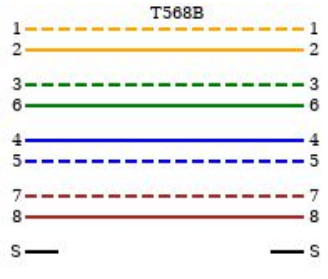
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

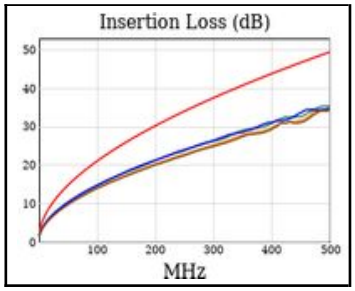
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

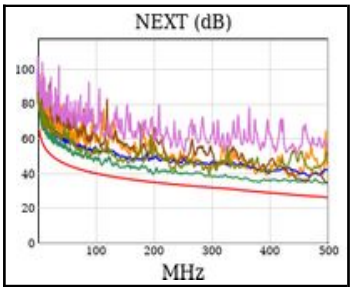
Length (ft), Limit 328	[Pair 7,8]	272
Prop. Delay (ns), Limit 555	[Pair 4,5]	422
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	14.5
Insertion Loss Margin (dB)	[Pair 3,6]	14.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

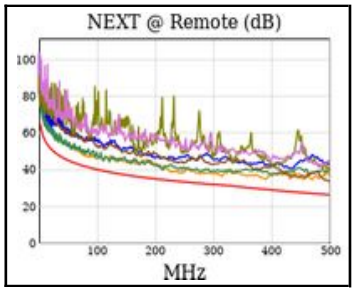


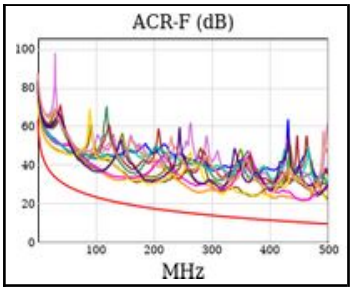
PASS

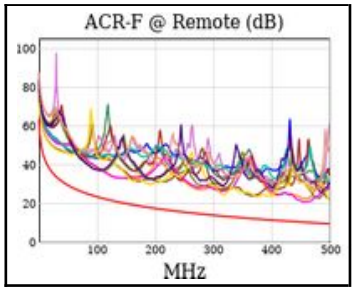


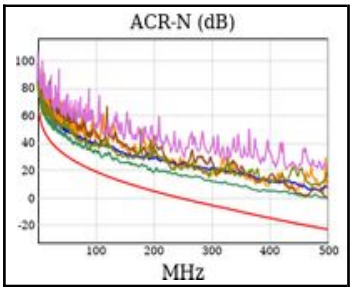


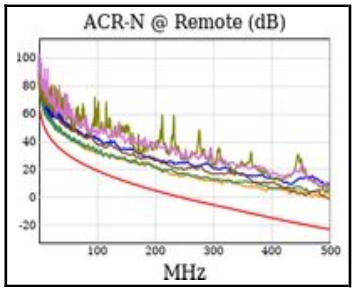


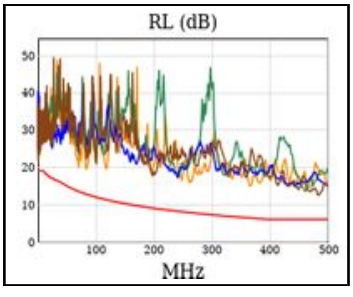


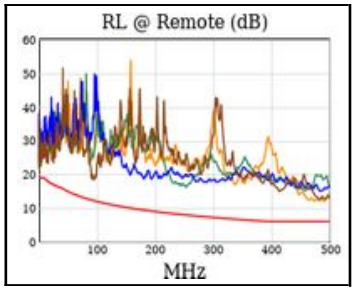












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	3,6-4,5
NEXT (dB)	4.5	4.5	8.1	7.0
Freq. (MHz)	199.0	244.0	500.0	500.0
Limit (dB)	34.8	33.3	26.1	26.1
Worst Pair	1,2	1,2	4,5	3,6
PS NEXT (dB)	6.9	4.9	8.2	7.9
Freq. (MHz)	377.0	213.0	500.0	500.0
Limit (dB)	26.5	31.4	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.1	10.4	11.1	10.4
Freq. (MHz)	456.0	456.0	456.0	456.0
Limit (dB)	10.1	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	12.0	13.3	12.3
Freq. (MHz)	317.0	316.0	500.0	470.0
Limit (dB)	10.2	10.3	6.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	9.4	9.4	22.6	21.5
Freq. (MHz)	8.6	10.0	500.0	500.0
Limit (dB)	51.6	50.1	-23.2	-23.2
Worst Pair	1,2	1,2	4,5	3,6
PS ACR-N (dB)	11.4	10.0	22.7	21.9
Freq. (MHz)	8.6	13.8	500.0	500.0
Limit (dB)	49.0	44.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.5	4.6	6.4	6.0
Freq. (MHz)	5.5	5.5	484.0	491.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-1-A

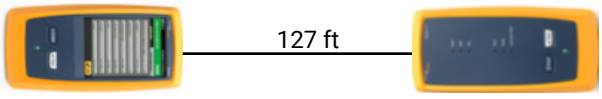
Test Summary: PASS

Date / Time: 12/10/2022 01:22:13 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

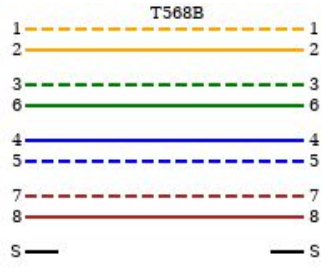
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

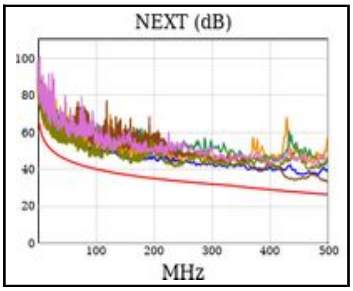
Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	202
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

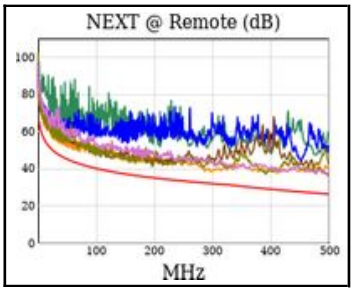


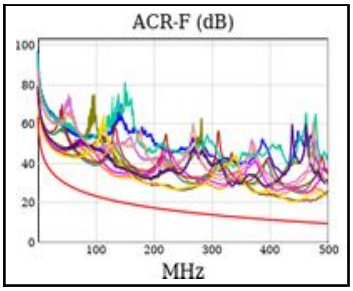
PASS

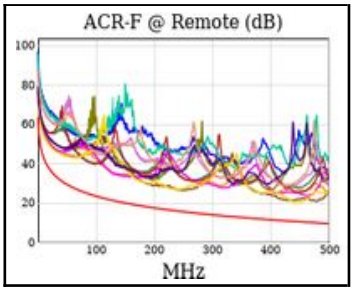


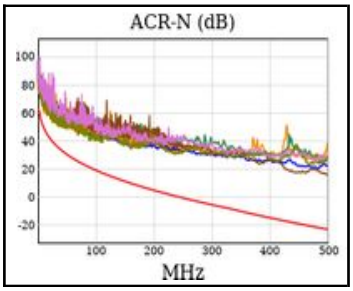


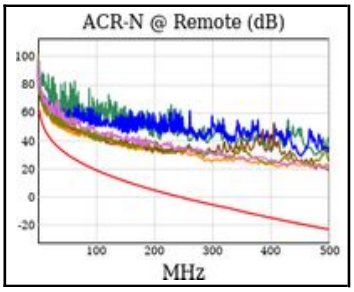


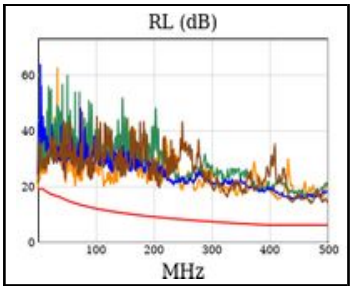


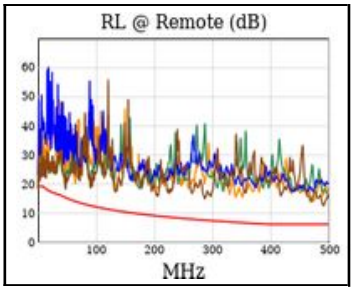












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	5.7	6.0	6.8	10.0
Freq. (MHz)	89.3	299.0	500.0	499.0
Limit (dB)	40.8	31.8	26.1	26.1
Worst Pair	3,6	3,6	4,5	4,5
PS NEXT (dB)	6.6	5.4	9.1	10.3
Freq. (MHz)	36.5	197.0	500.0	500.0
Limit (dB)	44.6	32.0	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	9.7	9.9	9.8
Freq. (MHz)	441.0	441.0	442.0	446.0
Limit (dB)	10.4	10.4	10.3	10.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.7	10.9	11.9	11.3
Freq. (MHz)	5.6	5.8	452.0	447.0
Limit (dB)	45.3	45.1	7.2	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.3	11.2	38.7	41.9
Freq. (MHz)	11.0	11.0	500.0	499.0
Limit (dB)	49.1	49.1	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	10.2	40.1	41.7
Freq. (MHz)	3.1	5.1	498.0	499.0
Limit (dB)	58.3	54.1	-25.9	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.1	2.8	7.7	6.3
Freq. (MHz)	48.5	48.3	471.0	491.0
Limit (dB)	15.1	15.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-1-B

Test Summary: PASS

Date / Time: 12/10/2022 01:22:38 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	200
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.0	5.2	6.0	8.2
Freq. (MHz)	42.5	25.4	498.0	470.0
Limit (dB)	46.2	49.9	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	5.2	7.9	8.8
Freq. (MHz)	238.5	181.5	498.0	467.0
Limit (dB)	30.5	32.6	23.3	24.0

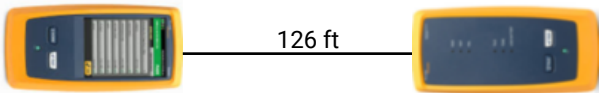
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.9	10.8	11.4	10.8
Freq. (MHz)	251.0	499.0	499.0	499.0
Limit (dB)	15.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	12.9	13.2
Freq. (MHz)	14.6	331.0	499.0	499.0
Limit (dB)	37.0	9.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	10.7	10.0	38.1	39.9
Freq. (MHz)	5.5	5.5	498.0	470.0
Limit (dB)	56.0	56.0	-23.1	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	9.8	39.3	39.8
Freq. (MHz)	5.3	5.3	498.0	470.0
Limit (dB)	53.9	53.9	-25.9	-23.7

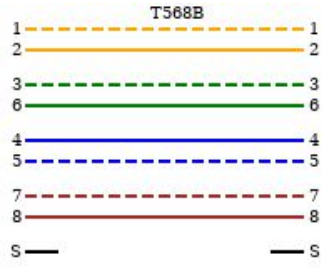
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	8.1	4.7	8.1	6.7
Freq. (MHz)	490.0	22.8	490.0	493.0
Limit (dB)	6.0	17.2	6.0	6.0

Compliant Network Standards:

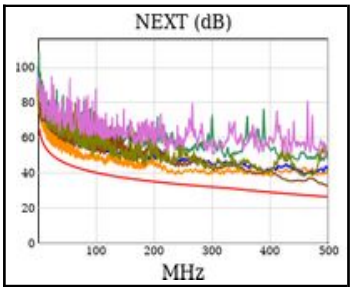
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

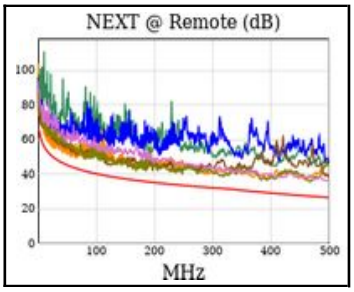


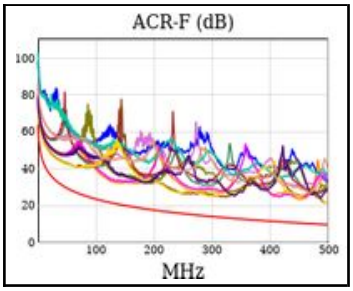
PASS

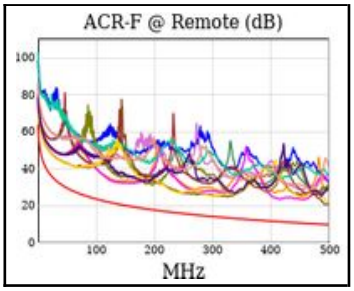


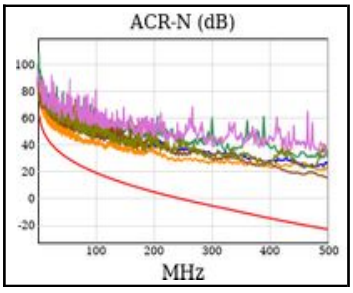


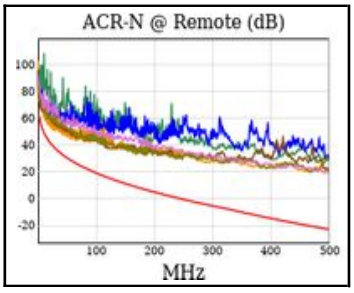


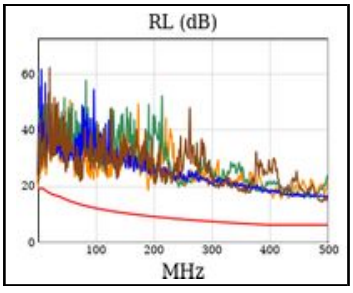


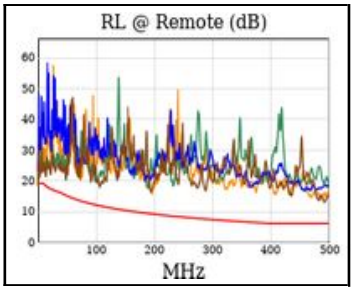












FLUKE networks

LinkWare Live

Cable ID: 109-2-A

Test Summary: PASS

Date / Time: 12/10/2022 01:17:00 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	255
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	14.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.8	4.6	8.5	7.3
Freq. (MHz)	183.0	109.0	500.0	450.0
Limit (dB)	35.4	39.3	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.7	4.3	9.6	8.0
Freq. (MHz)	4.1	156.0	463.0	465.0
Limit (dB)	60.3	33.7	24.1	24.1

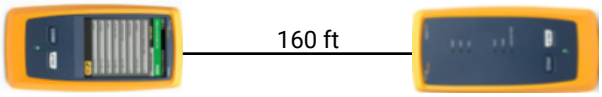
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.6	11.2	10.8
Freq. (MHz)	327.0	327.0	500.0	496.0
Limit (dB)	13.0	13.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.4	11.6	13.0
Freq. (MHz)	6.4	327.0	500.0	496.0
Limit (dB)	44.2	10.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.4	10.9	36.2	37.3
Freq. (MHz)	2.4	3.8	500.0	499.0
Limit (dB)	61.7	59.5	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	9.8	37.9	36.7
Freq. (MHz)	4.1	4.0	493.0	499.0
Limit (dB)	56.1	56.4	-25.5	-26.0

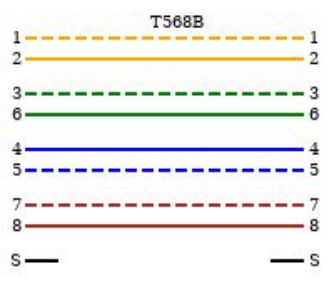
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	4.2	2.2	8.5	6.0
Freq. (MHz)	15.9	15.3	485.0	500.0
Limit (dB)	18.0	18.1	6.0	6.0

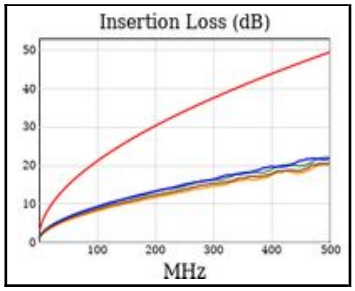
Compliant Network Standards:

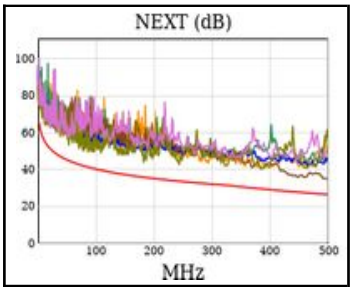
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

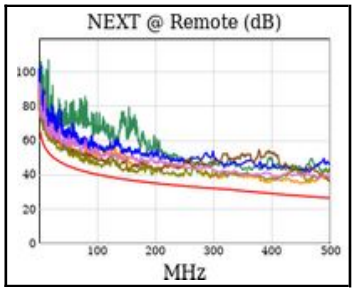


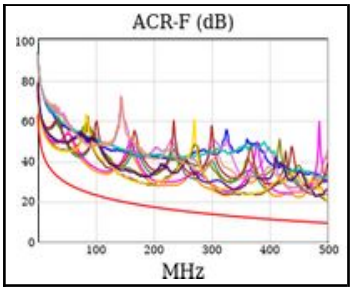
PASS

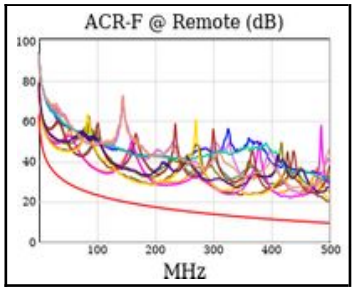


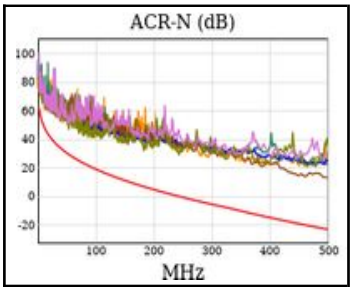


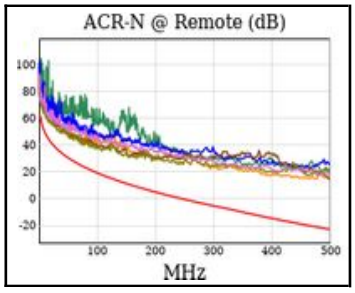


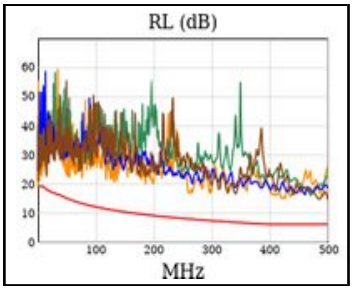


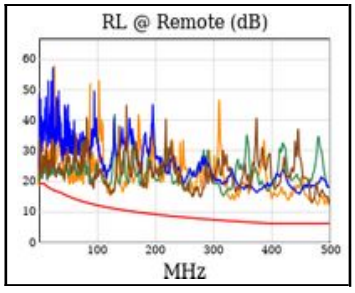












FLUKE networks

LinkWare Live

Cable ID: 109-2-B

Test Summary: PASS

Date / Time: 12/10/2022 01:16:29 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	253
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	14.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.9	5.7	4.9	7.1
Freq. (MHz)	499.0	111.0	499.0	451.0
Limit (dB)	26.1	39.2	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	6.0	7.5	8.1
Freq. (MHz)	242.5	205.0	499.0	451.0
Limit (dB)	30.4	31.7	23.3	24.4

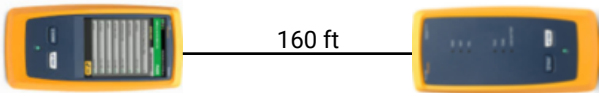
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.5	9.3	9.5	9.3
Freq. (MHz)	403.0	416.0	403.0	416.0
Limit (dB)	11.2	10.9	11.2	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	9.7	10.1	9.7
Freq. (MHz)	403.0	411.0	405.0	411.0
Limit (dB)	8.2	8.0	8.1	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	9.1	32.8	35.4
Freq. (MHz)	3.9	4.0	499.0	484.0
Limit (dB)	59.2	58.9	-23.1	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	9.3	34.8	35.9
Freq. (MHz)	4.1	6.1	498.0	477.0
Limit (dB)	56.1	52.4	-25.9	-24.3

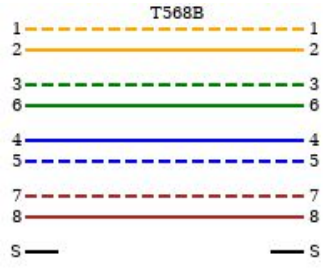
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	2.6	2.3	7.4	5.7
Freq. (MHz)	16.0	10.9	481.0	499.0
Limit (dB)	18.0	18.8	6.0	6.0

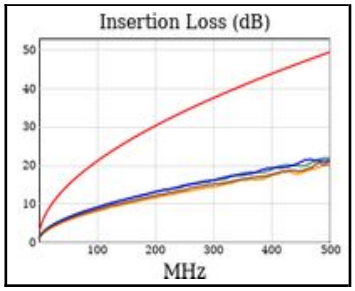
Compliant Network Standards:

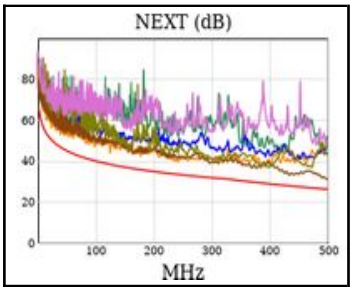
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

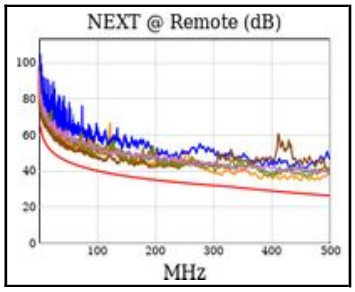


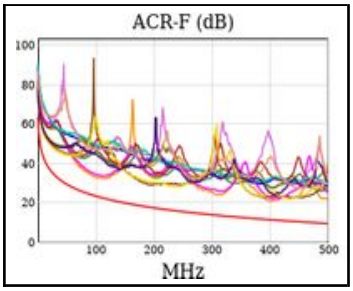
PASS

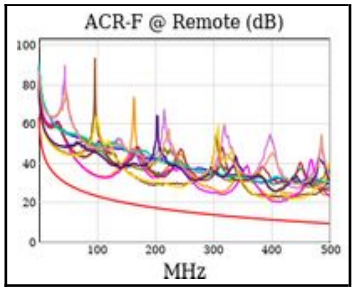


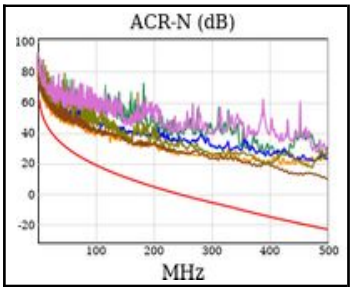


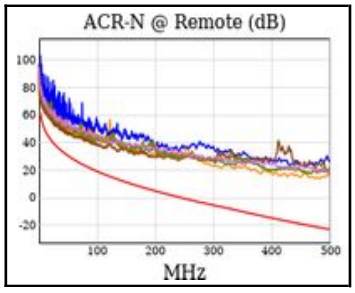


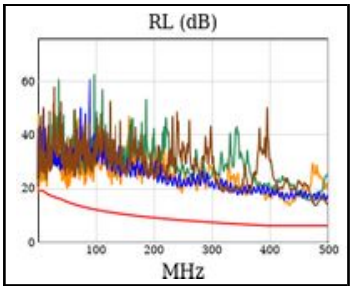


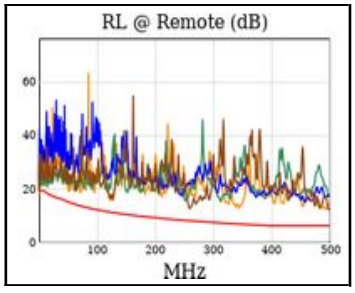












FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/21/2022 05:30:54 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	166
Prop. Delay (ns), Limit 555	[Pair 4,5]	258
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	26.4
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.8	3.0	4.8	3.7
Freq. (MHz)	499.0	229.0	499.0	497.0
Limit (dB)	26.1	33.8	26.1	26.2
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	5.5	3.8	5.5	5.5
Freq. (MHz)	497.0	165.5	497.0	497.0
Limit (dB)	23.3	33.3	23.3	23.3

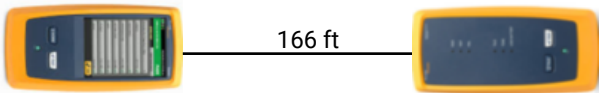
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	9.7	9.7	12.3	11.9
Freq. (MHz)	307.0	305.0	500.0	475.0
Limit (dB)	13.5	13.6	9.3	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.5	13.6	12.8
Freq. (MHz)	326.0	2.6	474.0	475.0
Limit (dB)	10.0	51.9	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	8.7	32.6	30.2
Freq. (MHz)	4.1	4.1	500.0	497.0
Limit (dB)	58.6	58.6	-23.2	-23.0
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.8	9.8	31.9	32.4
Freq. (MHz)	4.1	4.1	497.0	498.0
Limit (dB)	56.1	56.1	-25.8	-25.9

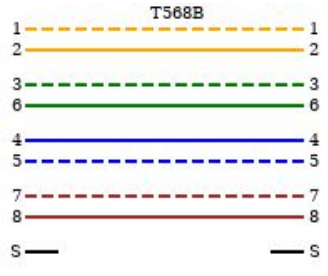
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.2	6.8	6.2	6.8
Freq. (MHz)	491.0	488.0	491.0	488.0
Limit (dB)	6.0	6.0	6.0	6.0

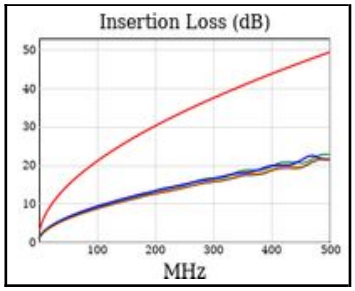
Compliant Network Standards:

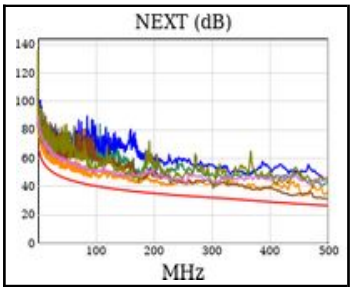
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

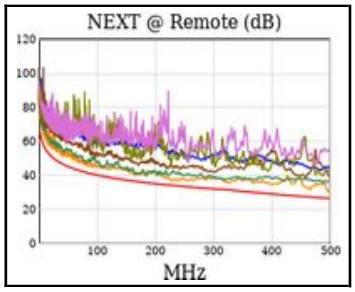


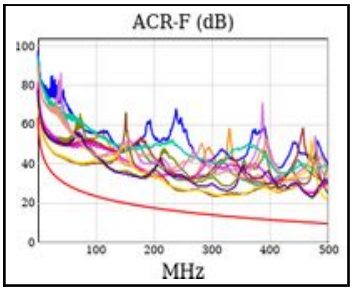
PASS

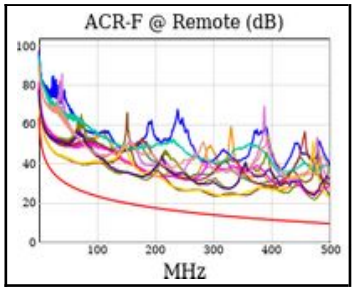


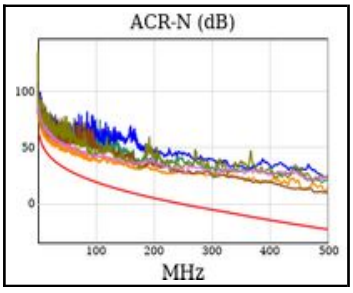


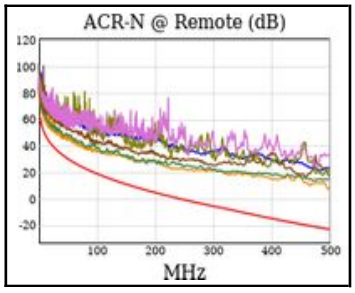


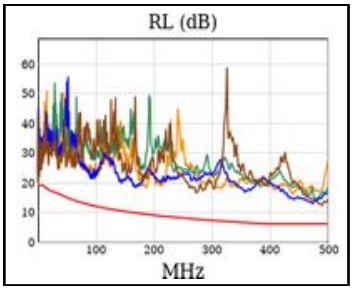


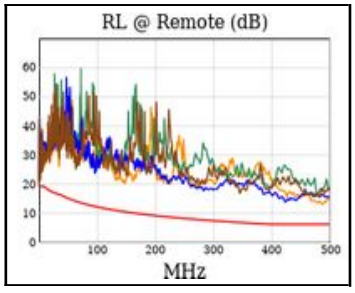












FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/21/2022 02:17:03 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	170
Prop. Delay (ns), Limit 555	[Pair 4,5]	264
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	4.2	3.6	6.5	4.4
Freq. (MHz)	293.0	310.0	470.0	474.0
Limit (dB)	31.9	31.5	26.8	26.7
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	6.3	5.4	8.0	6.5
Freq. (MHz)	155.5	310.0	468.0	474.0
Limit (dB)	33.8	28.5	24.0	23.8

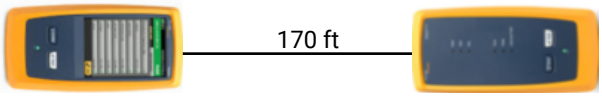
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.8	8.7	8.9	8.8
Freq. (MHz)	335.0	331.0	336.0	332.0
Limit (dB)	12.8	12.9	12.7	12.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	11.9	14.0
Freq. (MHz)	6.5	6.8	420.0	472.0
Limit (dB)	44.0	43.7	7.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	11.9	34.7	30.3
Freq. (MHz)	5.6	7.5	500.0	479.0
Limit (dB)	55.8	53.0	-23.2	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	11.8	35.0	32.5
Freq. (MHz)	5.6	5.6	500.0	479.0
Limit (dB)	53.2	53.2	-26.1	-24.4

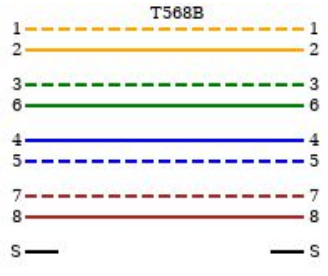
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	6.9	6.7	8.4	6.7
Freq. (MHz)	13.1	492.0	418.0	492.0
Limit (dB)	18.4	6.0	6.0	6.0

Compliant Network Standards:

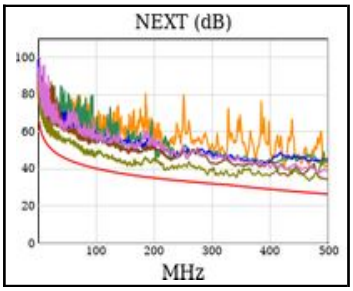
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

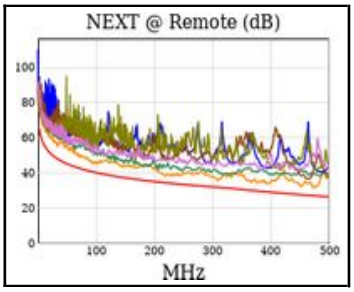


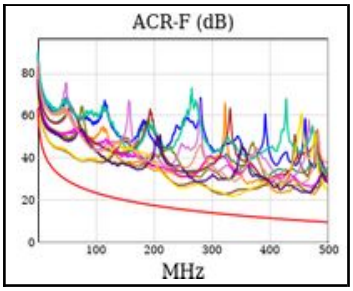
PASS

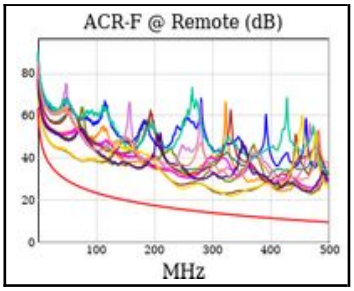


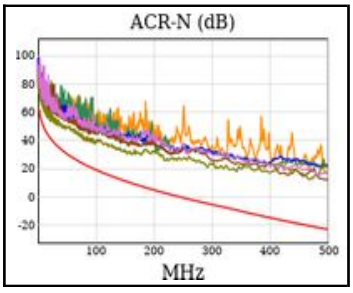


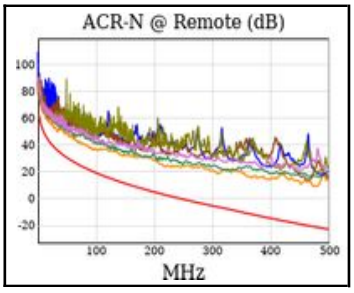


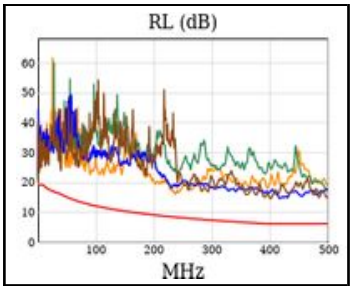


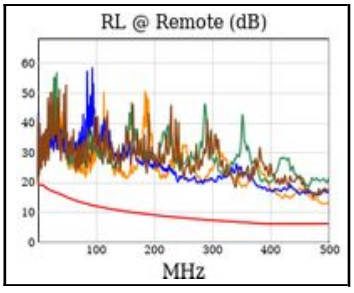












FLUKE networks

LinkWare™ Live

Cable ID: 109-B

Test Summary: PASS

Date / Time: 11/21/2022 02:09:39 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 3,6]	281
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	22.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	3.4	7.1	5.5
Freq. (MHz)	162.5	242.0	500.0	473.0
Limit (dB)	36.3	33.4	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	6.1	8.8	7.2
Freq. (MHz)	323.0	242.5	500.0	463.0
Limit (dB)	28.2	30.4	23.2	24.1

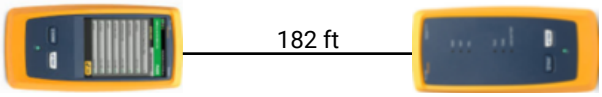
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.2	10.9	10.2
Freq. (MHz)	488.0	474.0	498.0	474.0
Limit (dB)	9.5	9.7	9.3	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.7	11.9	13.0
Freq. (MHz)	260.0	257.0	500.0	474.0
Limit (dB)	12.0	12.1	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	10.2	30.8	28.9
Freq. (MHz)	3.5	3.5	500.0	488.0
Limit (dB)	60.1	60.1	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	10.3	31.6	31.3
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	57.3	57.3	-26.1	-26.1

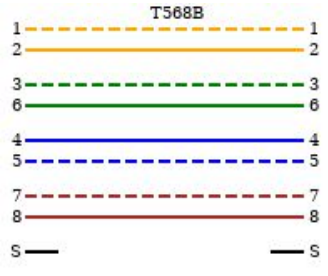
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.6	6.9	3.6	7.3
Freq. (MHz)	265.0	10.5	265.0	480.0
Limit (dB)	7.8	18.9	7.8	6.0

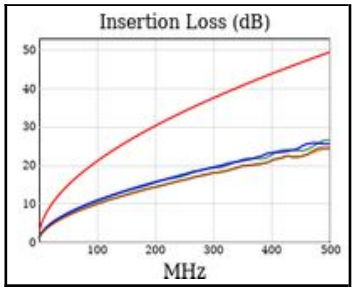
Compliant Network Standards:

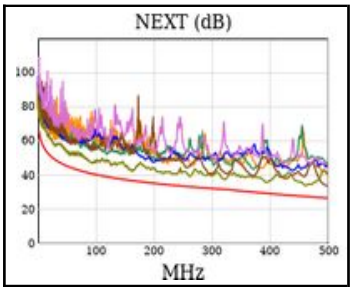
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

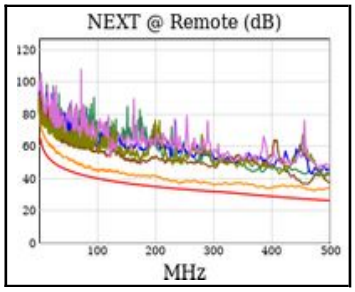


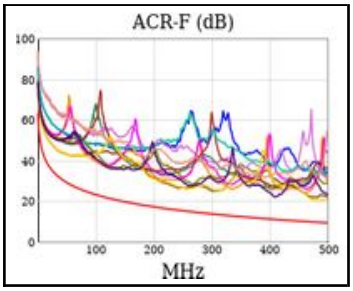
PASS

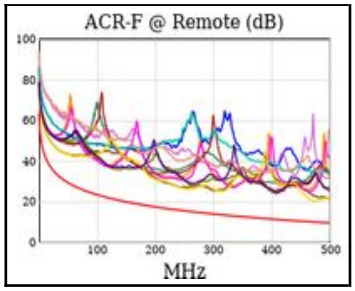


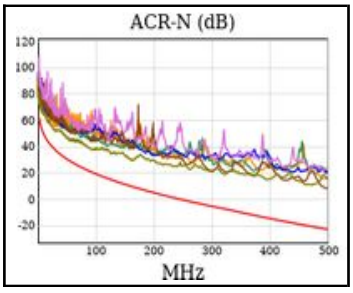


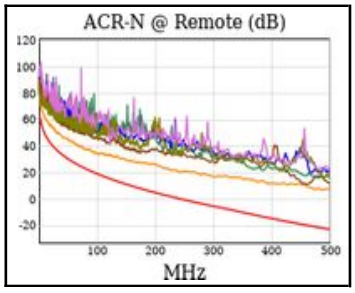


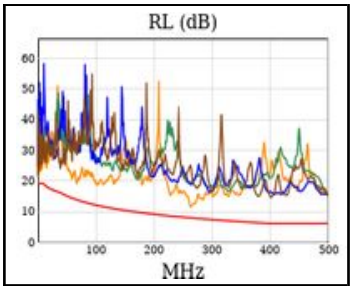


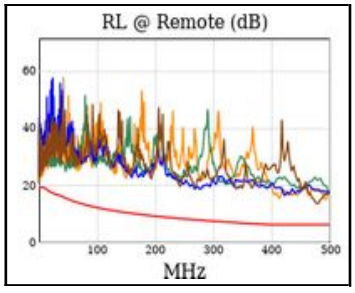












FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/22/2022 12:07:07 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	105
Prop. Delay (ns), Limit 555	[Pair 3,6]	162
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.0
Insertion Loss Margin (dB)	[Pair 3,6]	33.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.4	4.1	8.1	6.7
Freq. (MHz)	153.0	117.5	493.0	463.0
Limit (dB)	36.8	38.7	26.3	27.0
Worst Pair	3,6	3,6	7,8	7,8
PS NEXT (dB)	5.1	3.6	8.8	7.9
Freq. (MHz)	6.8	149.5	463.0	463.0
Limit (dB)	56.8	34.1	24.1	24.1

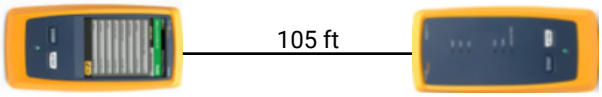
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	9.5	9.8	9.8
Freq. (MHz)	451.0	388.0	451.0	438.0
Limit (dB)	10.2	11.5	10.2	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.6	12.2	11.8
Freq. (MHz)	7.8	1.1	499.0	451.0
Limit (dB)	42.5	59.2	6.3	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	8.0	7.6	42.2	40.5
Freq. (MHz)	3.0	3.3	493.0	463.0
Limit (dB)	61.4	60.7	-22.7	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	7.3	43.4	41.1
Freq. (MHz)	3.3	3.3	492.0	463.0
Limit (dB)	58.2	58.2	-25.5	-23.2

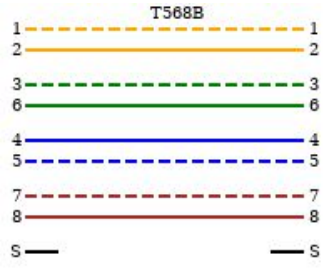
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.1	7.3	8.5	8.1
Freq. (MHz)	185.0	331.0	406.0	423.0
Limit (dB)	9.3	6.8	6.0	6.0

Compliant Network Standards:

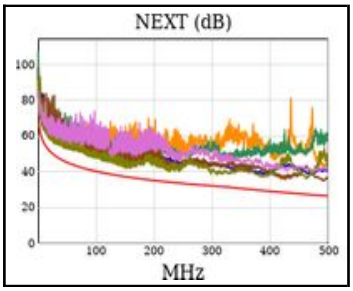
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

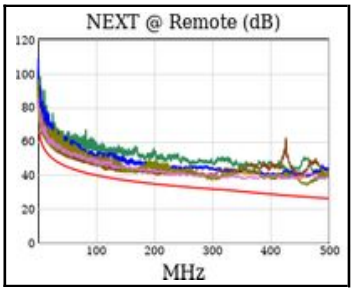


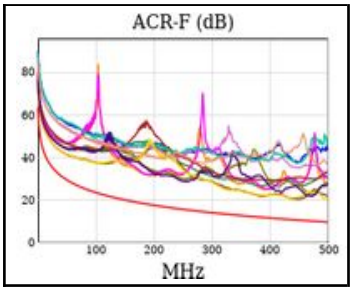
PASS

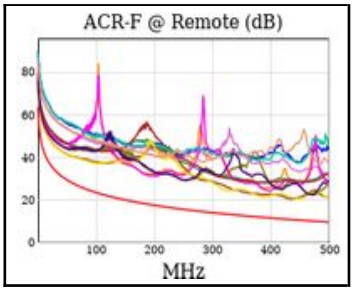


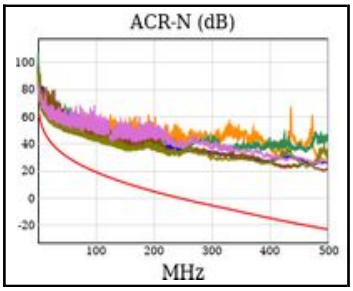


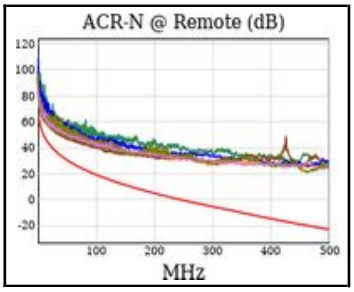


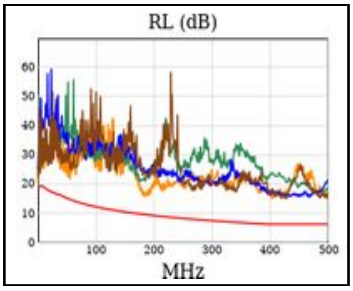


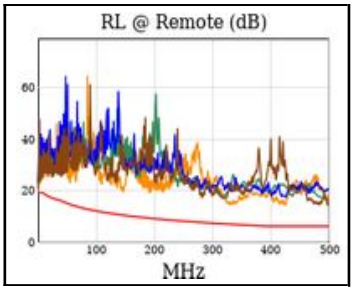












FLUKE networks

LinkWare Live

Cable ID: 108-B

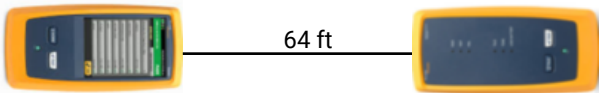
Test Summary: PASS

Date / Time: 11/25/2022 11:59:56 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

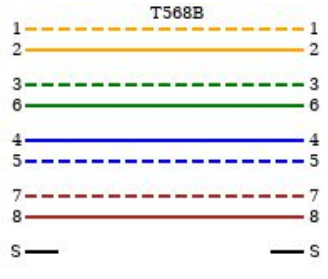
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

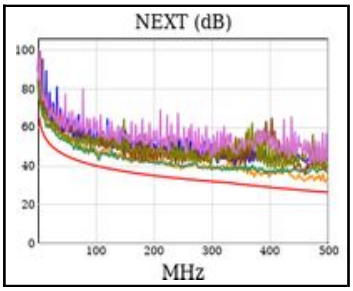
Length (ft), Limit 328	[Pair 7,8]	64
Prop. Delay (ns), Limit 555	[Pair 4,5]	100
Delay Skew (ns), Limit 50	[Pair 4,5]	4
Resistance (ohms)	[Pair 7,8]	3.5
Insertion Loss Margin (dB)	[Pair 3,6]	39.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

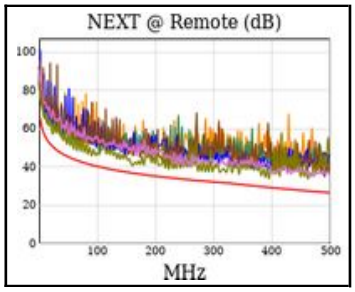


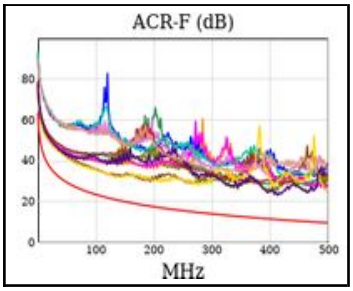
PASS

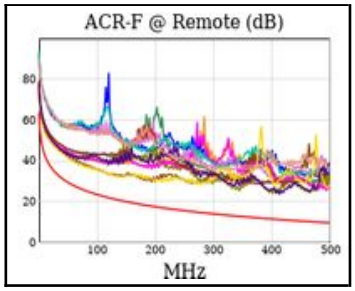


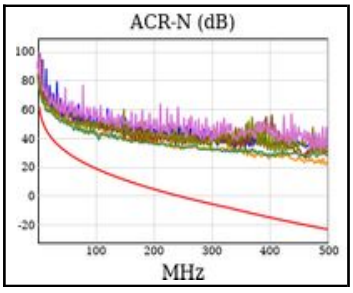


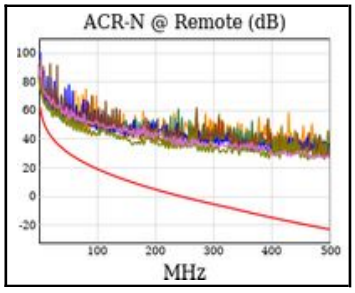


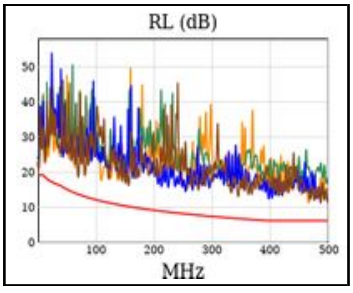


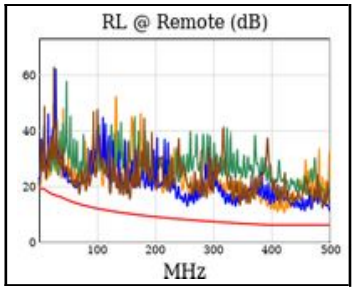












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.2	3.8	5.1	6.2
Freq. (MHz)	106.0	161.5	496.0	463.0
Limit (dB)	39.5	36.4	26.2	27.0
Worst Pair	1,2	3,6	3,6	7,8
PS NEXT (dB)	4.0	5.2	6.4	7.4
Freq. (MHz)	106.5	224.5	496.0	464.0
Limit (dB)	36.6	31.0	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-7,8
ACR-F (dB)	11.1	11.1	11.9	12.4
Freq. (MHz)	135.0	135.0	415.0	414.0
Limit (dB)	20.7	20.7	10.9	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	13.2	15.7
Freq. (MHz)	2.3	2.0	409.0	498.0
Limit (dB)	53.2	54.2	8.0	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	12.3	13.8	44.2	45.5
Freq. (MHz)	3.0	9.5	496.0	463.0
Limit (dB)	61.4	50.6	-22.9	-20.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.7	12.5	45.5	48.7
Freq. (MHz)	5.3	5.3	496.0	492.0
Limit (dB)	53.9	53.9	-25.8	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.9	3.7	4.9	4.3
Freq. (MHz)	488.0	70.5	488.0	423.0
Limit (dB)	6.0	13.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-A

Test Summary: PASS

Date / Time: 11/25/2022 11:55:30 AM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	76
Prop. Delay (ns), Limit 555	[Pair 3,6]	117
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 7,8]	4.1
Insertion Loss Margin (dB)	[Pair 3,6]	36.7
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	5.8	4.0	5.8
Freq. (MHz)	230.5	493.0	465.0	493.0
Limit (dB)	33.7	26.3	27.0	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.4	6.6	5.4	7.5
Freq. (MHz)	460.0	149.0	460.0	498.0
Limit (dB)	24.2	34.1	24.2	23.3

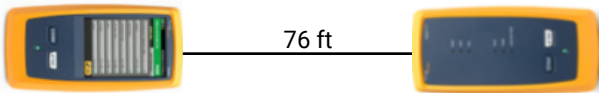
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.2	11.7	13.3	13.9
Freq. (MHz)	327.0	92.3	489.0	487.0
Limit (dB)	13.0	24.0	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.9	13.5	12.8
Freq. (MHz)	6.4	6.4	491.0	482.0
Limit (dB)	44.2	44.2	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	13.4	12.8	40.8	43.9
Freq. (MHz)	4.5	4.0	465.0	493.0
Limit (dB)	57.8	58.9	-20.4	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	11.5	42.3	45.0
Freq. (MHz)	4.4	4.0	464.0	493.0
Limit (dB)	55.6	56.4	-23.2	-25.5

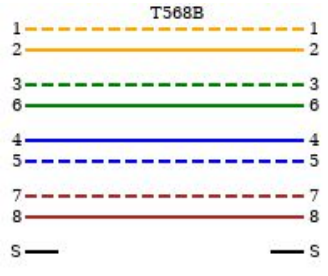
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.1	4.6	4.5	4.6
Freq. (MHz)	319.0	410.0	461.0	410.0
Limit (dB)	7.0	6.0	6.0	6.0

Compliant Network Standards:

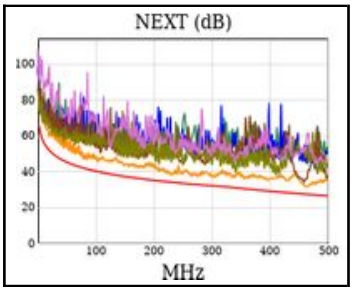
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

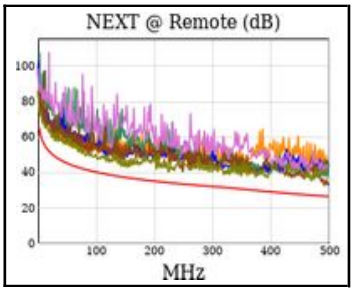


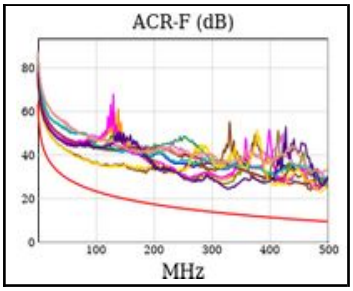
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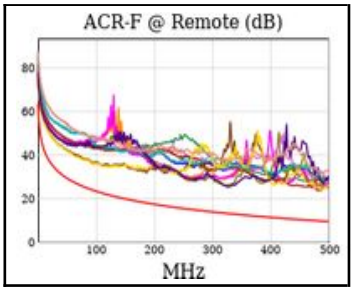


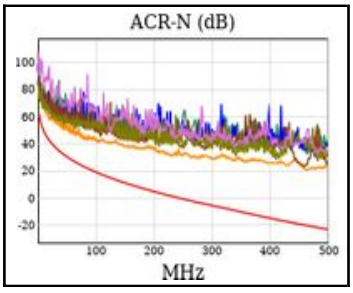


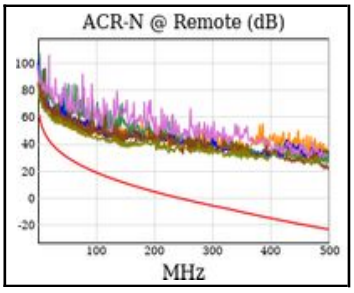


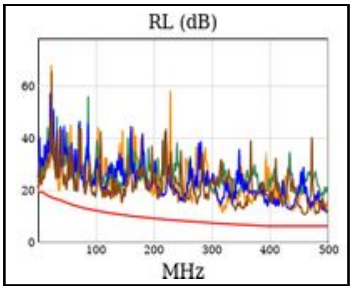


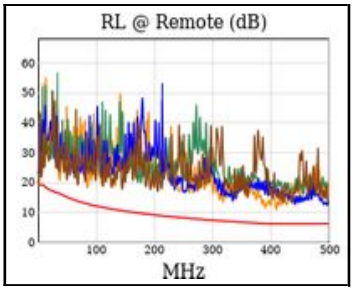












FLUKE networks

LinkWare Live

Cable ID: 108-B

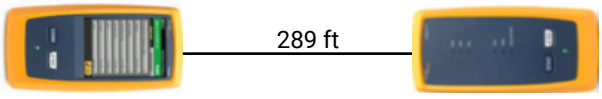
Test Summary: PASS

Date / Time: 11/27/2022 06:03:46 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

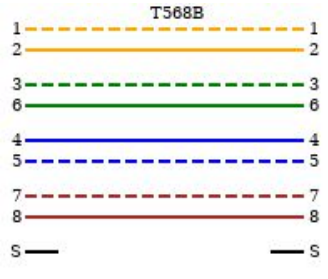
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

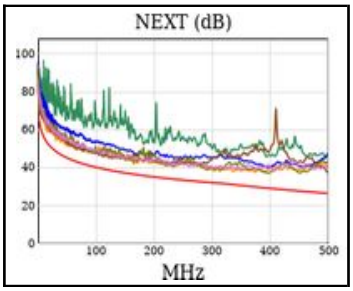
Length (ft), Limit 328	[Pair 1,2]	289
Prop. Delay (ns), Limit 555	[Pair 4,5]	455
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	10.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

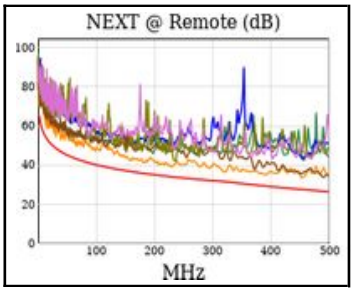


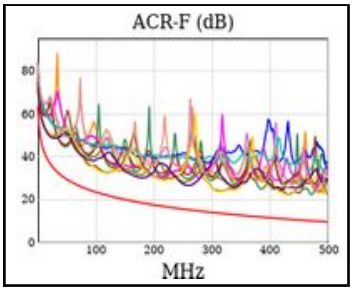
PASS

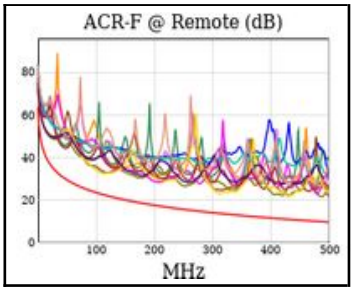


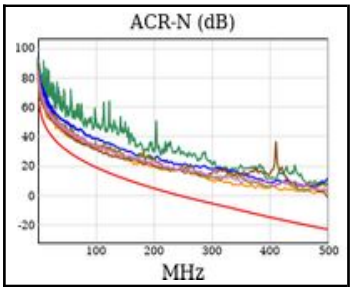


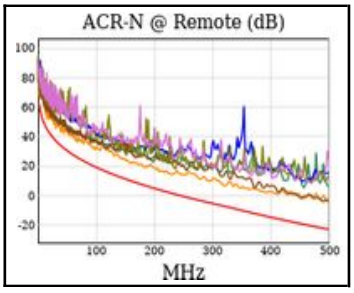


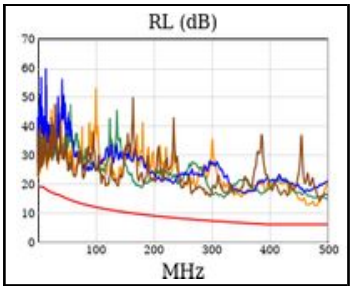


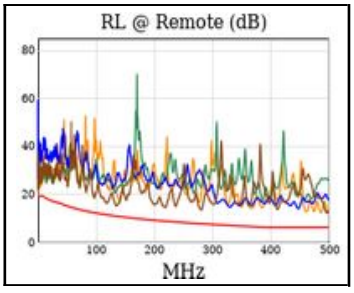












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.0	4.9	7.8	6.0
Freq. (MHz)	3.5	322.0	397.0	454.0
Limit (dB)	64.0	31.2	28.8	27.2
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.2	6.2	8.3	6.5
Freq. (MHz)	166.0	3.5	408.0	453.0
Limit (dB)	33.3	61.5	25.6	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	10.0	9.4	11.3	11.8
Freq. (MHz)	312.0	312.0	431.0	490.0
Limit (dB)	13.4	13.4	10.6	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	12.6	11.1
Freq. (MHz)	1.4	1.4	500.0	421.0
Limit (dB)	57.5	57.5	6.3	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	5.9	5.7	21.9	18.4
Freq. (MHz)	3.5	3.4	500.0	500.0
Limit (dB)	60.1	60.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.0	7.1	22.0	18.5
Freq. (MHz)	3.4	3.5	500.0	500.0
Limit (dB)	57.9	57.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.4	4.2	6.5	5.9
Freq. (MHz)	7.5	135.5	480.0	497.0
Limit (dB)	19.0	10.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-A

Test Summary: PASS

Date / Time: 12/17/2022 03:49:14 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	293
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	1,2-3,6
NEXT (dB)	5.0	2.9	6.1	5.4
Freq. (MHz)	173.0	173.0	488.0	452.0
Limit (dB)	35.9	35.9	26.4	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	3.0	5.6	6.6
Freq. (MHz)	494.0	173.0	494.0	452.0
Limit (dB)	23.4	32.9	23.4	24.4

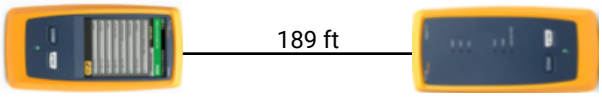
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.8	10.7	10.8	11.4
Freq. (MHz)	500.0	247.5	500.0	500.0
Limit (dB)	9.3	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.9	11.0	12.8	13.4
Freq. (MHz)	6.0	4.1	500.0	500.0
Limit (dB)	44.7	47.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	9.6	8.4	30.3	29.1
Freq. (MHz)	3.5	3.4	488.0	452.0
Limit (dB)	60.1	60.4	-22.3	-19.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	7.8	29.4	30.3
Freq. (MHz)	3.5	3.5	494.0	452.0
Limit (dB)	57.6	57.6	-25.6	-22.3

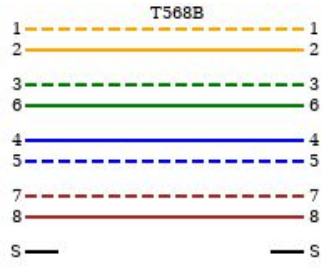
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.0	5.9	5.0	7.7
Freq. (MHz)	487.0	79.3	487.0	481.0
Limit (dB)	6.0	13.0	6.0	6.0

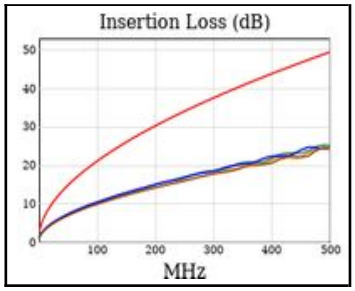
Compliant Network Standards:

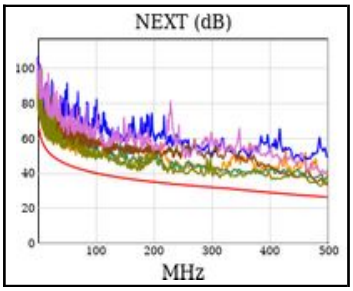
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

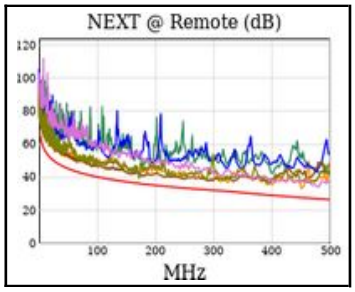


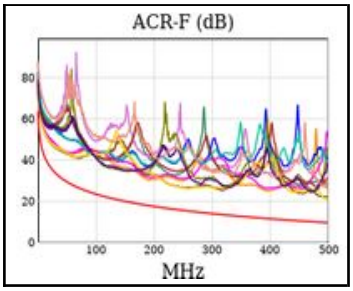
PASS

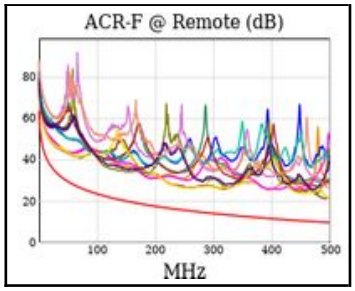


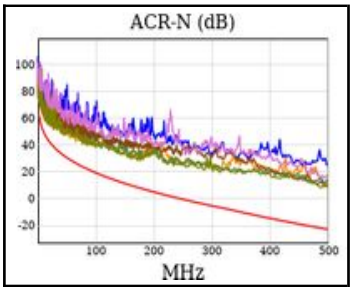


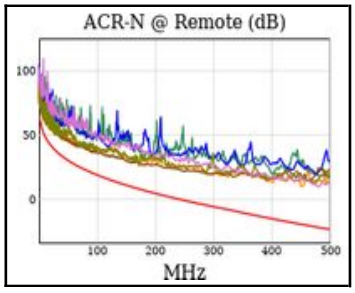


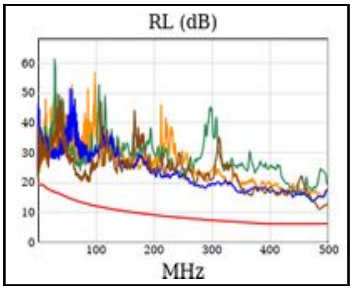


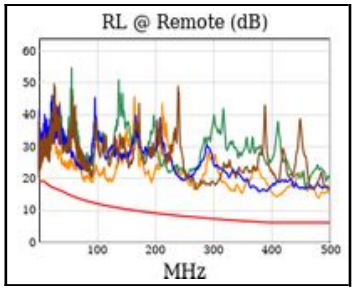












FLUKE networks

LinkWare Live

Cable ID: 109-B

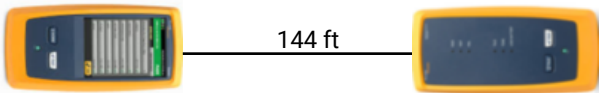
Test Summary: PASS

Date / Time: 12/19/2022 01:46:56 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

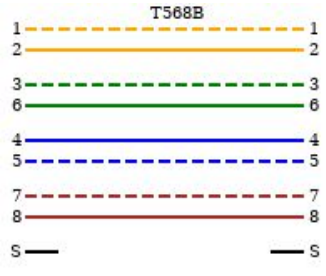
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

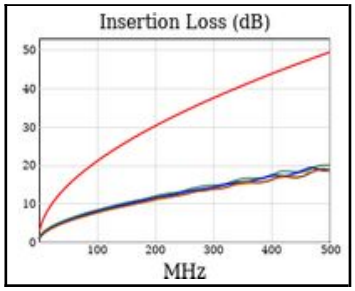
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

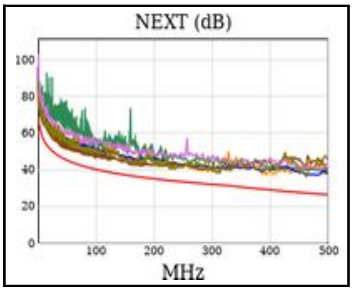
Length (ft), Limit 328	[Pair 7,8]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	223
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	16.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

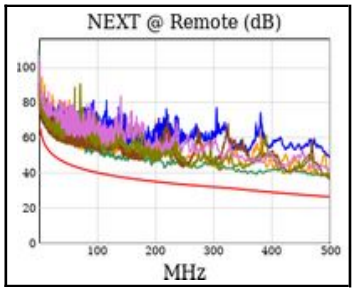


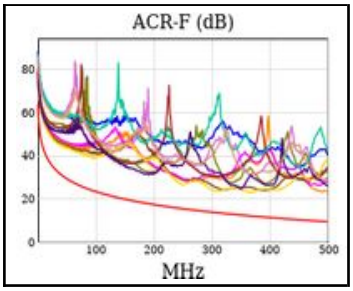
PASS

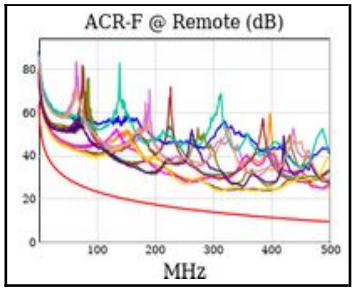


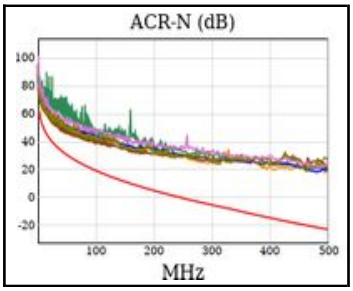


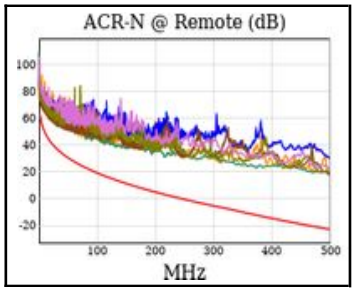


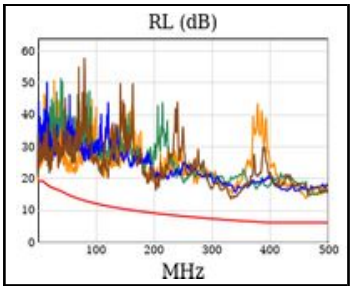


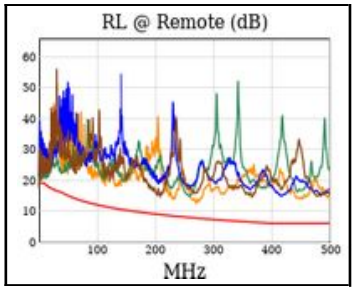












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.5	7.8	8.8	9.9
Freq. (MHz)	46.3	4.5	464.0	500.0
Limit (dB)	45.6	62.2	27.0	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.9	8.5	8.5	9.4
Freq. (MHz)	166.0	4.6	464.0	500.0
Limit (dB)	33.3	59.5	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.0	10.9	11.4
Freq. (MHz)	309.0	309.0	369.0	369.0
Limit (dB)	13.5	13.5	11.9	11.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	11.7	11.5
Freq. (MHz)	309.0	328.0	353.0	328.0
Limit (dB)	10.5	9.9	9.3	9.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	10.6	40.0	40.4
Freq. (MHz)	4.5	4.5	496.0	500.0
Limit (dB)	57.8	57.8	-22.9	-23.2
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.0	10.9	40.5	38.7
Freq. (MHz)	4.4	4.6	496.0	500.0
Limit (dB)	55.6	55.1	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	4.2	1.9	6.3	4.5
Freq. (MHz)	21.0	12.3	334.0	271.0
Limit (dB)	17.4	18.6	6.8	7.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-A

Test Summary: PASS

Date / Time: 12/19/2022 01:49:22 PM
Headroom: 6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	155
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	24.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	6.0	6.4	10.0	7.8
Freq. (MHz)	236.5	76.5	462.0	500.0
Limit (dB)	33.5	41.9	27.0	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.5	7.5	10.1	8.6
Freq. (MHz)	236.0	76.8	462.0	500.0
Limit (dB)	30.6	39.1	24.1	23.2

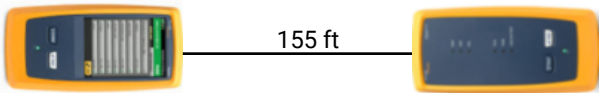
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.0	9.4	9.1
Freq. (MHz)	441.0	446.0	446.0	449.0
Limit (dB)	10.4	10.3	10.3	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.0	10.2	10.7
Freq. (MHz)	407.0	407.0	446.0	448.0
Limit (dB)	8.1	8.1	7.3	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.1	10.5	37.1	33.4
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	58.9	58.9	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	11.7	34.5	33.7
Freq. (MHz)	6.1	4.1	462.0	499.0
Limit (dB)	52.4	56.1	-23.1	-26.0

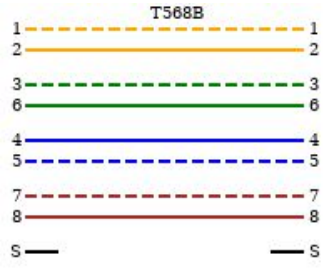
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	8.3	5.9	8.4	6.9
Freq. (MHz)	21.4	249.5	459.0	463.0
Limit (dB)	17.4	8.0	6.0	6.0

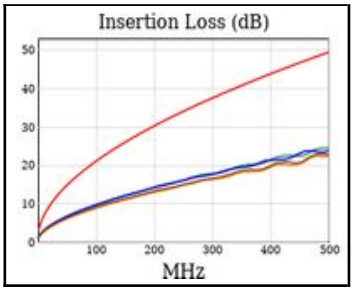
Compliant Network Standards:

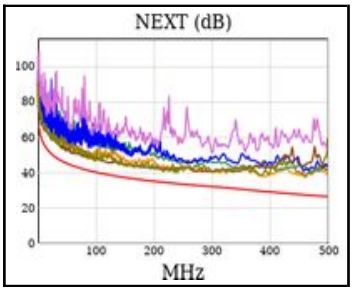
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

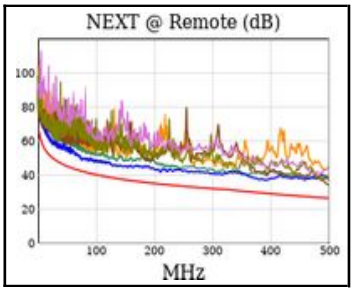


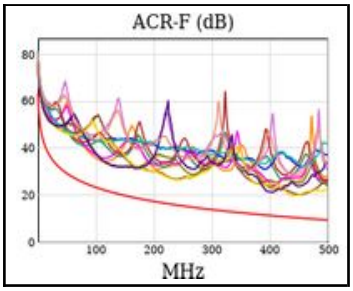
PASS

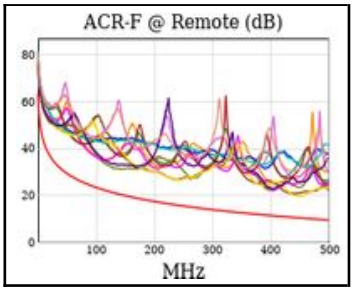


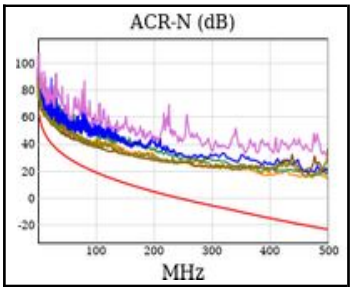


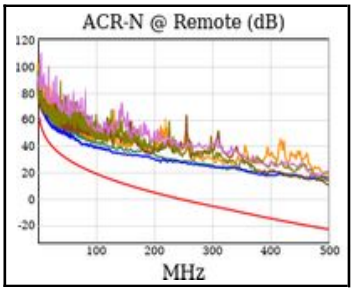


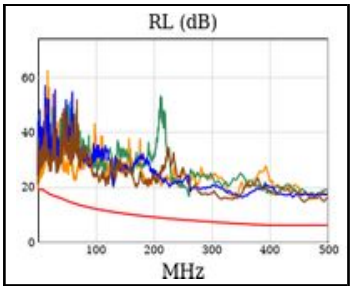


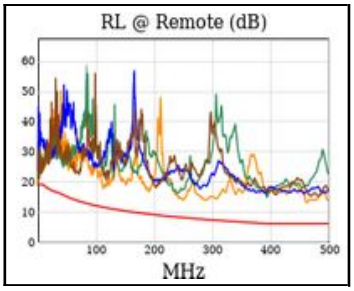












FLUKE networks

LinkWare Live

Cable ID: 109-B

Test Summary: PASS

Date / Time: 11/25/2022 02:17:32 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 3,6]	308
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 4,5]	9.1
Insertion Loss Margin (dB)	[Pair 4,5]	19.8
Frequency (MHz)	[Pair 4,5]	474.0
Limit (dB)	[Pair 4,5]	47.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.1	4.7	6.9	8.8
Freq. (MHz)	229.5	151.0	466.0	475.0
Limit (dB)	33.8	36.9	26.9	26.7
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	4.2	7.3	7.7	8.9
Freq. (MHz)	226.5	151.0	457.0	462.0
Limit (dB)	30.9	34.0	24.3	24.1

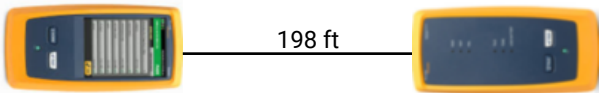
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	10.5	11.5	11.6
Freq. (MHz)	251.0	251.0	500.0	500.0
Limit (dB)	15.3	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.3	11.8	12.3
Freq. (MHz)	261.0	254.0	475.0	459.0
Limit (dB)	11.9	12.2	6.7	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	8.3	10.2	28.0	29.0
Freq. (MHz)	4.8	4.8	473.0	460.0
Limit (dB)	57.3	57.3	-21.1	-20.0
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.5	30.7	30.2
Freq. (MHz)	5.0	4.8	500.0	463.0
Limit (dB)	54.3	54.8	-26.1	-23.2

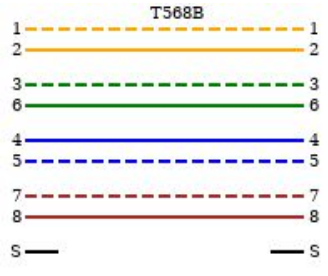
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	5.1	5.7	7.1	7.6
Freq. (MHz)	61.8	11.0	476.0	481.0
Limit (dB)	14.1	18.8	6.0	6.0

Compliant Network Standards:

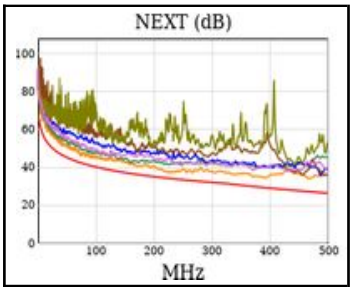
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

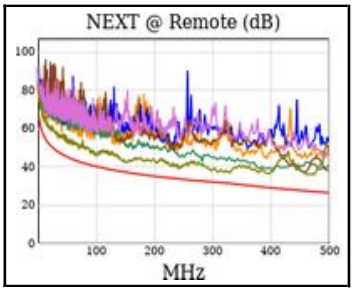


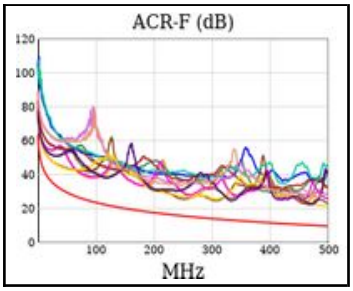
PASS

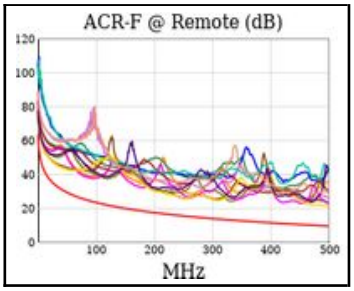


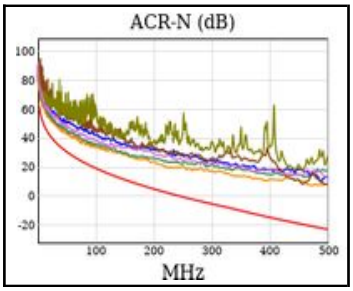


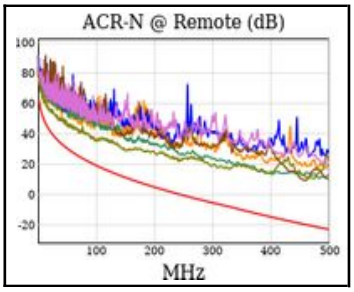


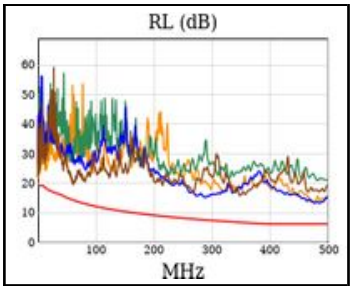


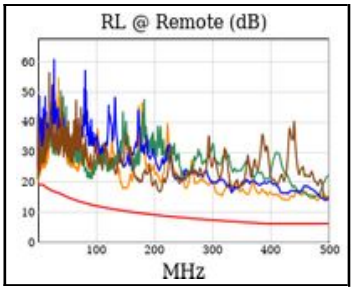












FLUKE networks

LinkWare Live

Cable ID: 110-A

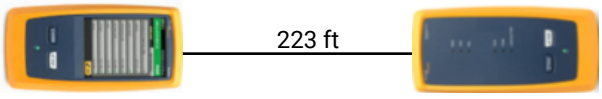
Test Summary: PASS

Date / Time: 11/25/2022 05:43:33 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

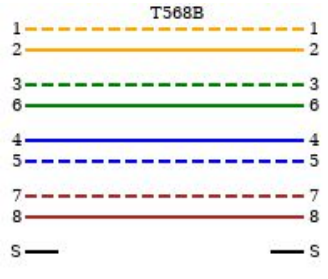
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

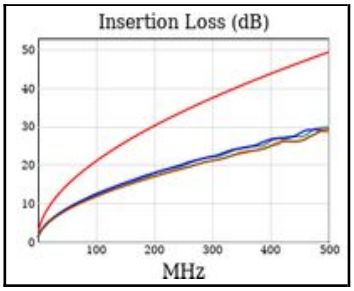
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	223
Prop. Delay (ns), Limit 555	[Pair 4,5]	347
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	15.4
Insertion Loss Margin (dB)	[Pair 3,6]	19.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

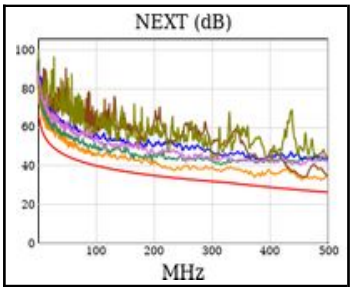


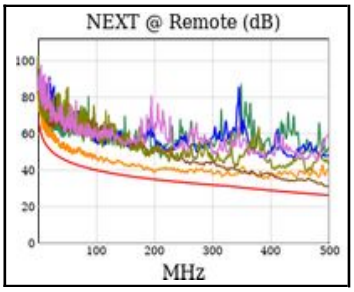
PASS



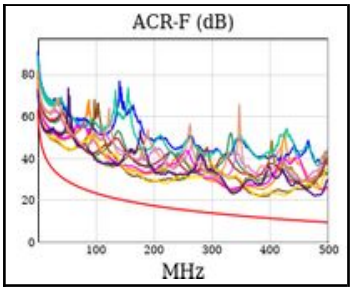


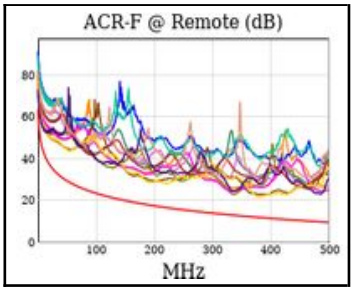
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	3.5	6.1	4.6
Freq. (MHz)	236.0	200.0	488.0	497.0
Limit (dB)	33.5	34.8	26.4	26.2
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.5	5.9	5.9	6.7
Freq. (MHz)	236.0	200.0	456.0	496.0
Limit (dB)	30.6	31.9	24.3	23.3



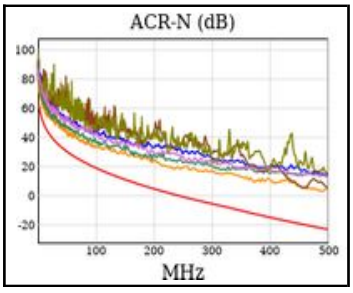


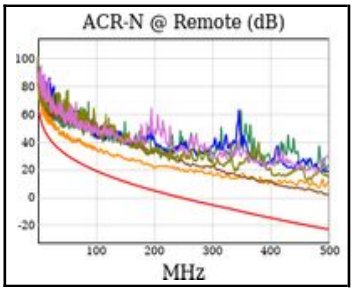
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	9.1	10.3	9.8
Freq. (MHz)	1.6	1.6	390.0	383.0
Limit (dB)	59.0	59.0	11.4	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.2	12.9	10.2
Freq. (MHz)	6.5	339.0	486.0	339.0
Limit (dB)	44.0	9.7	6.5	9.7



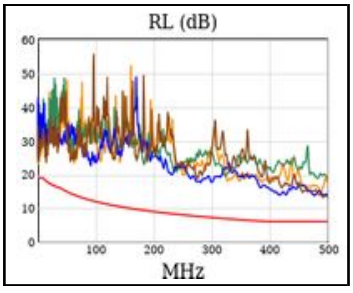


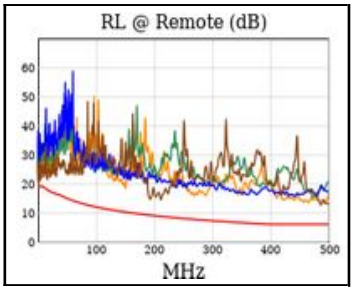
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	7.9	25.4	24.8
Freq. (MHz)	15.4	9.0	491.0	498.0
Limit (dB)	45.5	51.2	-22.5	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	9.4	27.4	26.0
Freq. (MHz)	3.0	9.1	499.0	496.0
Limit (dB)	58.4	48.5	-26.0	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.5	2.8	7.2	6.8
Freq. (MHz)	15.4	6.6	500.0	500.0
Limit (dB)	18.1	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-B

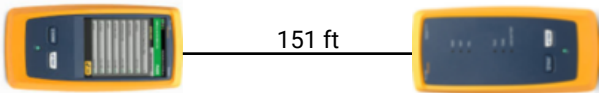
Test Summary: PASS

Date / Time: 11/27/2022 12:07:44 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

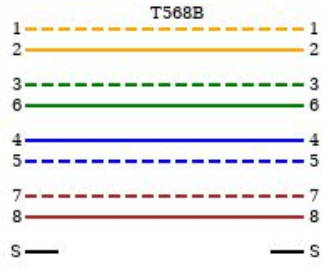
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

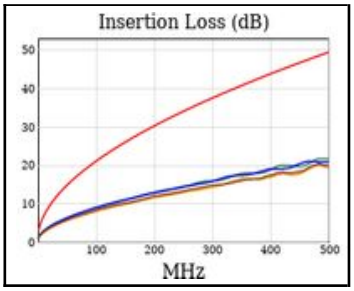
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

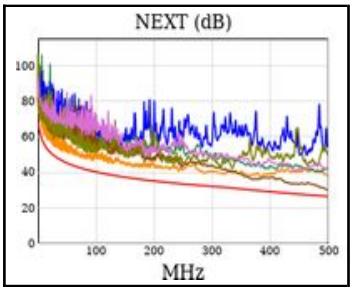
Length (ft), Limit 328	[Pair 1,2]	151
Prop. Delay (ns), Limit 555	[Pair 4,5]	239
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

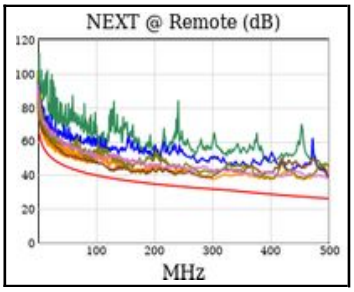


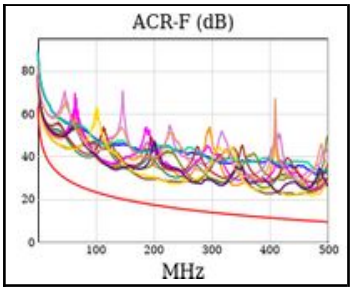
PASS

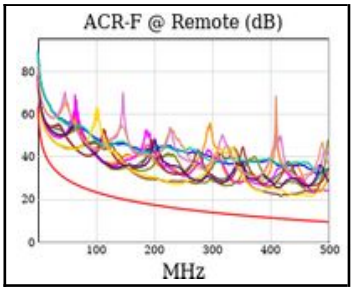


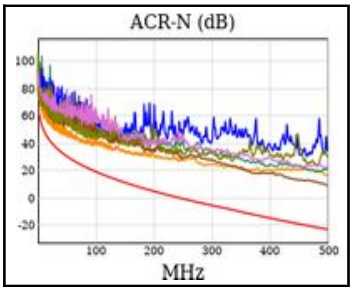


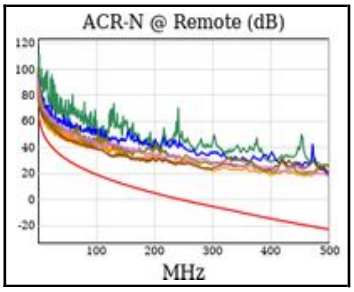


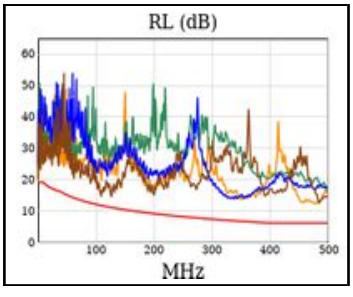


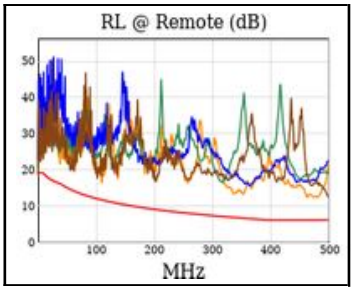












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.7	4.3	3.7	8.3
Freq. (MHz)	499.0	127.5	499.0	399.0
Limit (dB)	26.1	38.1	26.1	28.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	4.4	6.0	8.1
Freq. (MHz)	499.0	163.5	500.0	401.0
Limit (dB)	23.3	33.4	23.2	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.1	10.6	11.9	10.7
Freq. (MHz)	436.0	417.0	475.0	418.0
Limit (dB)	10.5	10.9	9.7	10.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	11.6	11.7
Freq. (MHz)	5.1	5.3	473.0	473.0
Limit (dB)	46.1	45.9	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	9.2	32.2	38.2
Freq. (MHz)	11.4	11.5	500.0	469.0
Limit (dB)	48.8	48.6	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.0	8.6	33.7	40.3
Freq. (MHz)	4.4	4.4	500.0	500.0
Limit (dB)	55.6	55.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	2.7	4.5	6.0	6.1
Freq. (MHz)	110.0	110.5	479.0	481.0
Limit (dB)	11.6	11.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-A

Test Summary: PASS

Date / Time: 11/27/2022 12:10:17 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	174
Prop. Delay (ns), Limit 555	[Pair 4,5]	274
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	24.5
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	3.6	4.3	3.6	10.0
Freq. (MHz)	500.0	40.3	500.0	489.0
Limit (dB)	26.1	46.6	26.1	26.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.0	4.6	6.0	8.4
Freq. (MHz)	20.0	40.3	500.0	403.0
Limit (dB)	49.0	43.8	23.2	25.7

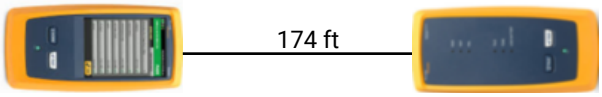
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	4,5-3,6
ACR-F (dB)	10.4	10.5	12.3	10.7
Freq. (MHz)	393.0	380.0	495.0	398.0
Limit (dB)	11.4	11.7	9.4	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.0	12.1	10.1
Freq. (MHz)	398.0	403.0	495.0	409.0
Limit (dB)	8.3	8.2	6.4	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	8.0	8.8	29.2	35.7
Freq. (MHz)	11.9	7.9	500.0	489.0
Limit (dB)	48.3	52.5	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	8.3	30.9	35.0
Freq. (MHz)	3.9	3.8	500.0	467.0
Limit (dB)	56.7	57.0	-26.1	-23.5

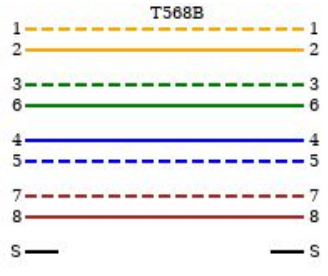
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.3	5.2	5.7	5.8
Freq. (MHz)	103.0	18.1	479.0	469.0
Limit (dB)	11.9	17.7	6.0	6.0

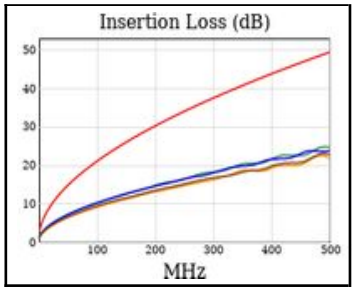
Compliant Network Standards:

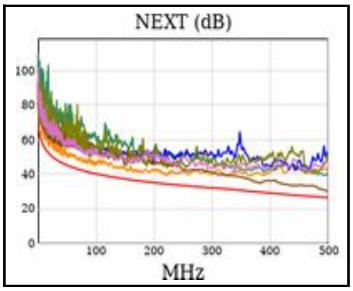
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

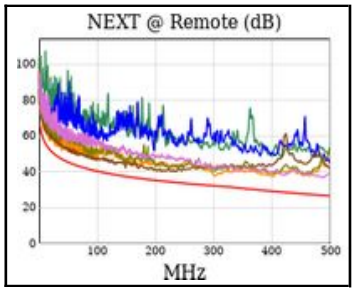


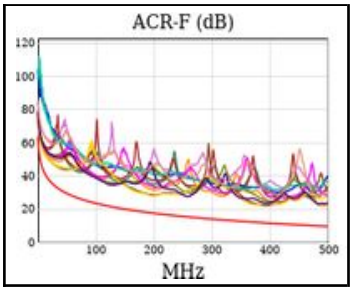
PASS

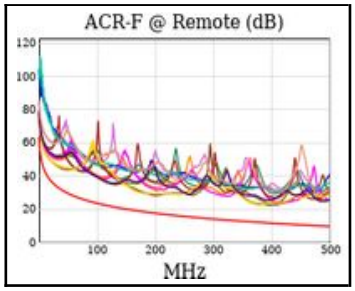


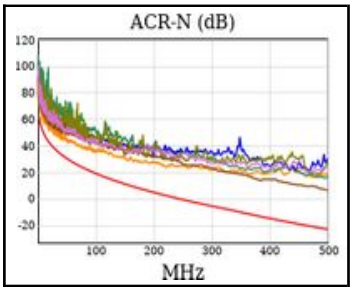


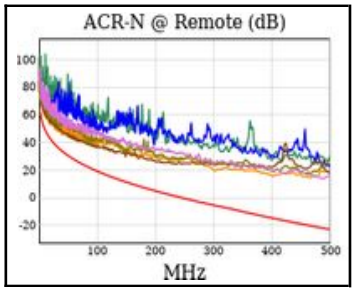


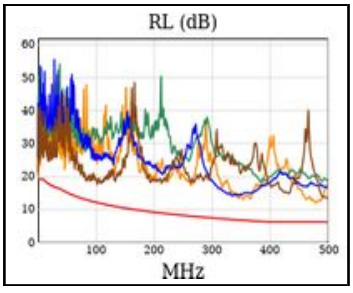


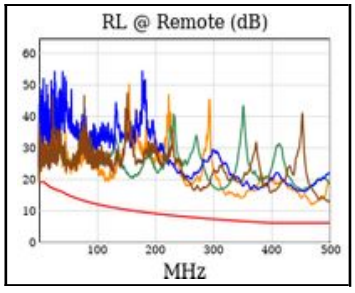












FLUKE networks

LinkWare Live

Cable ID: 109-B

Test Summary: PASS

Date / Time: 12/11/2022 12:04:31 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	270
Prop. Delay (ns), Limit 555	[Pair 4,5]	420
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	19.3
Insertion Loss Margin (dB)	[Pair 3,6]	13.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	4.5	8.9	4.9
Freq. (MHz)	228.5	240.0	496.0	455.0
Limit (dB)	33.8	33.4	26.2	27.2
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.8	5.9	9.9	6.0
Freq. (MHz)	228.5	240.0	494.0	455.0
Limit (dB)	30.8	30.5	23.4	24.3

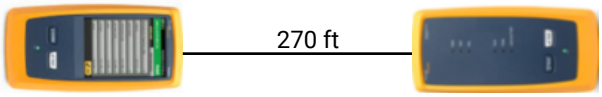
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.3	11.2	9.3
Freq. (MHz)	371.0	373.0	500.0	373.0
Limit (dB)	11.9	11.8	9.3	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.7	9.8	11.3
Freq. (MHz)	400.0	2.6	400.0	401.0
Limit (dB)	8.2	51.9	8.2	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.5	9.9	23.5	20.8
Freq. (MHz)	8.8	28.9	496.0	494.0
Limit (dB)	51.5	38.0	-22.9	-22.7
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.6	10.9	23.9	21.3
Freq. (MHz)	3.5	8.8	500.0	494.0
Limit (dB)	57.6	48.9	-26.1	-25.6

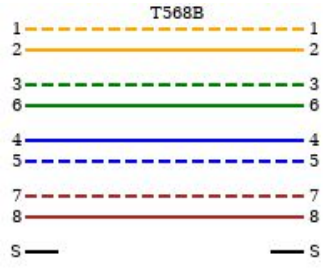
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.5	2.4	7.1	5.8
Freq. (MHz)	5.5	5.3	493.0	455.0
Limit (dB)	19.0	19.0	6.0	6.0

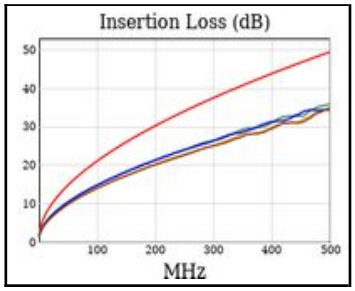
Compliant Network Standards:

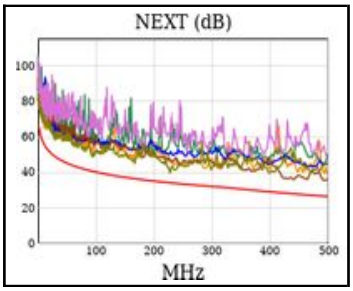
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

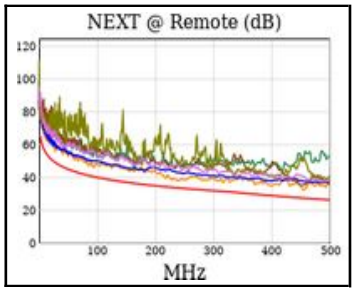


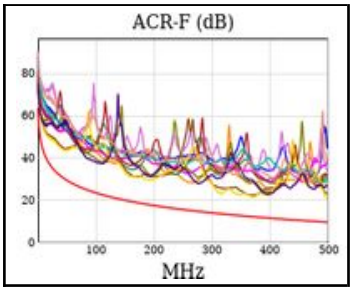
PASS

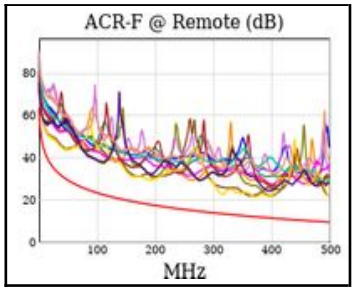


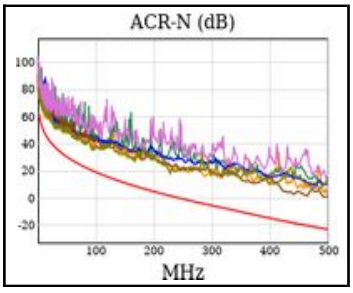


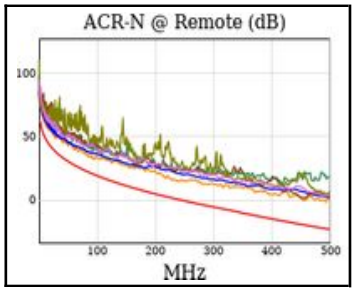


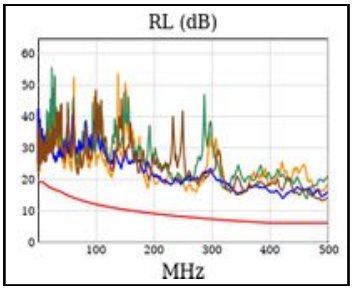


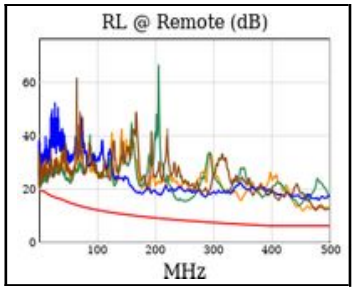












FLUKE networks

LinkWare Live

Cable ID: 109-B

Test Summary: PASS

Date / Time: 11/21/2022 05:31:54 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	167
Prop. Delay (ns), Limit 555	[Pair 4,5]	260
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	26.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	3.6	3.9	4.3
Freq. (MHz)	500.0	221.0	500.0	497.0
Limit (dB)	26.1	34.0	26.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.4	5.8	5.5	5.8
Freq. (MHz)	493.0	497.0	498.0	497.0
Limit (dB)	23.4	23.3	23.3	23.3

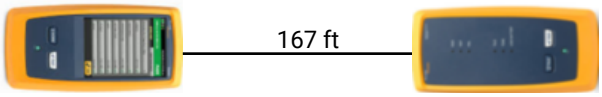
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	9.7	10.6	11.0
Freq. (MHz)	257.0	257.0	500.0	500.0
Limit (dB)	15.1	15.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	11.5	11.5
Freq. (MHz)	8.8	8.8	472.0	472.0
Limit (dB)	41.4	41.4	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	10.3	31.3	30.3
Freq. (MHz)	4.1	10.3	500.0	497.0
Limit (dB)	58.6	49.8	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	11.3	31.1	31.7
Freq. (MHz)	4.1	4.1	493.0	497.0
Limit (dB)	56.1	56.1	-25.5	-25.8

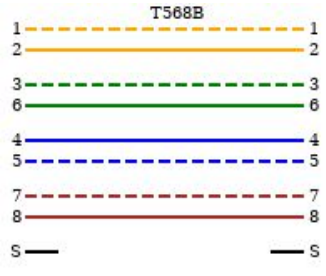
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.9	6.4	6.9	6.4
Freq. (MHz)	468.0	497.0	468.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

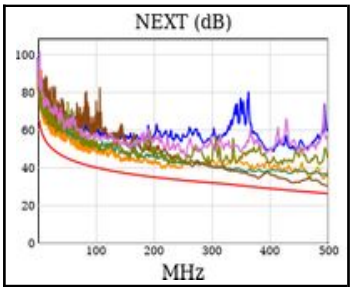
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

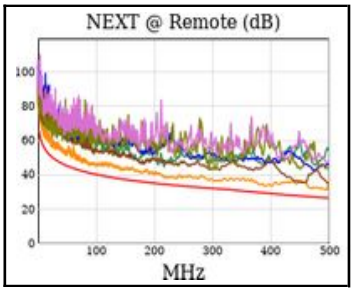


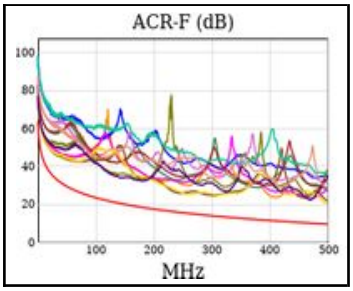
PASS

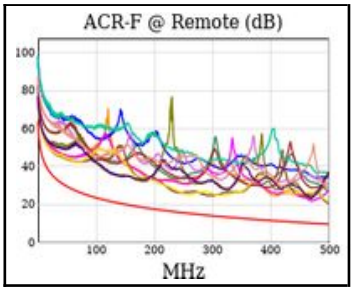


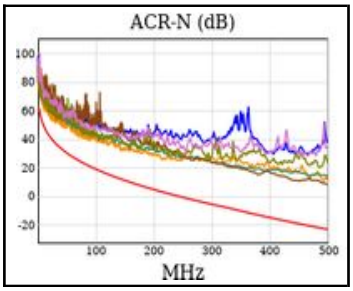


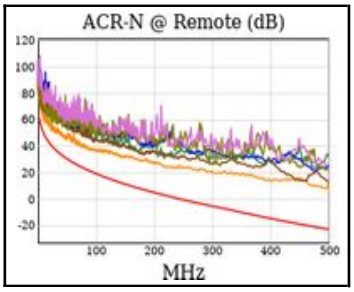


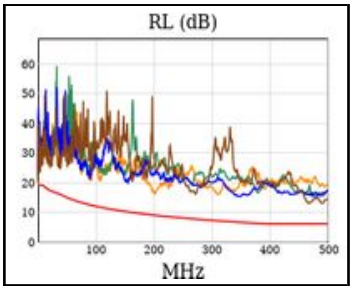


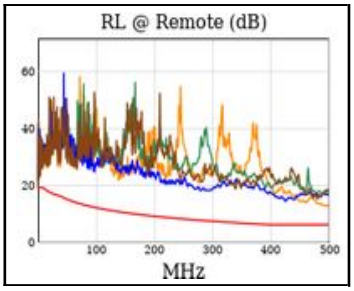












FLUKE networks

LinkWare Live

Cable ID: 110-1-A

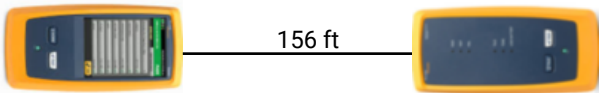
Test Summary: PASS

Date / Time: 11/21/2022 05:25:33 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

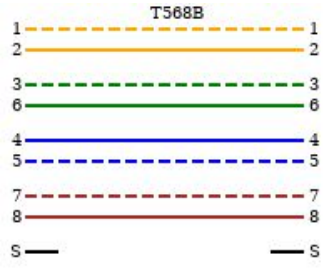
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

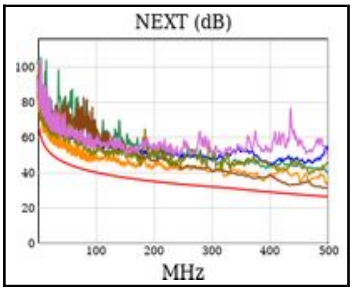
Length (ft), Limit 328	[Pair 7,8]	156
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	27.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

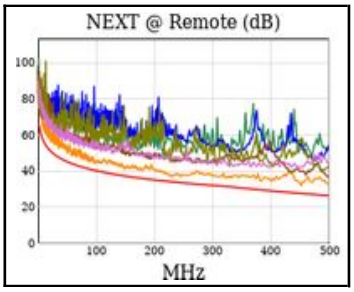


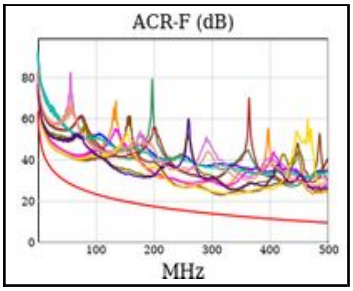
PASS

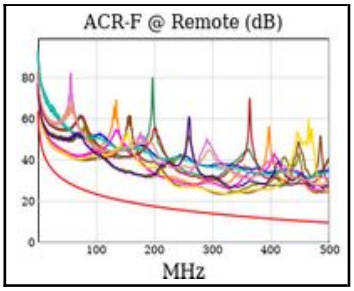


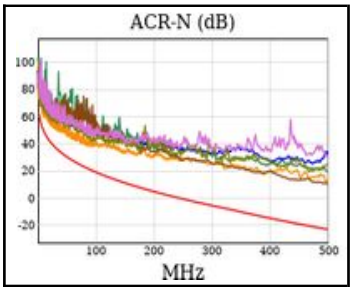


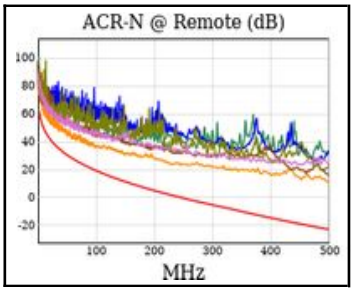


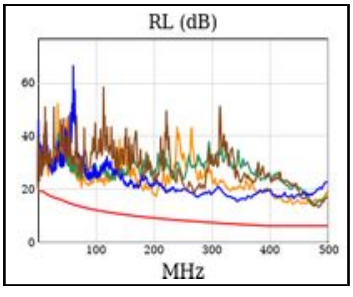


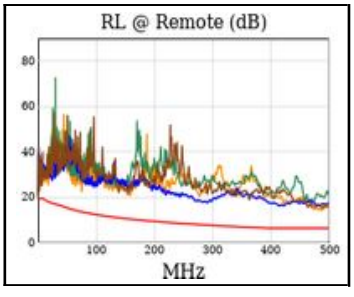












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.7	2.9	4.7	4.0
Freq. (MHz)	500.0	229.0	500.0	453.0
Limit (dB)	26.1	33.8	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	4.8	5.5	6.3
Freq. (MHz)	498.0	229.0	498.0	453.0
Limit (dB)	23.3	30.8	23.3	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.8	9.5	9.8
Freq. (MHz)	319.0	319.0	319.0	319.0
Limit (dB)	13.2	13.2	13.2	13.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	13.7	10.5
Freq. (MHz)	7.3	330.0	496.0	339.0
Limit (dB)	43.1	9.9	6.3	9.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	10.3	33.5	34.0
Freq. (MHz)	4.4	11.3	500.0	499.0
Limit (dB)	58.1	48.9	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.9	33.0	35.1
Freq. (MHz)	4.4	4.4	498.0	499.0
Limit (dB)	55.6	55.6	-25.9	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.0	7.3	7.0	7.8
Freq. (MHz)	485.0	18.5	485.0	487.0
Limit (dB)	6.0	17.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 110-1-B

Test Summary: PASS

Date / Time: 11/21/2022 05:26:15 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	156
Prop. Delay (ns), Limit 555	[Pair 4,5]	242
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.8	3.8	5.6	4.5
Freq. (MHz)	40.8	83.8	500.0	468.0
Limit (dB)	46.5	41.2	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	6.1	6.4	6.6
Freq. (MHz)	40.8	83.8	492.0	468.0
Limit (dB)	43.8	38.4	23.4	24.0

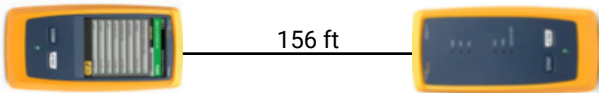
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	10.0	10.0	13.3	13.7
Freq. (MHz)	304.0	304.0	500.0	486.0
Limit (dB)	13.6	13.6	9.3	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.3	13.2	14.2
Freq. (MHz)	330.0	330.0	499.0	500.0
Limit (dB)	9.9	9.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.8	9.5	34.5	32.0
Freq. (MHz)	9.0	8.9	500.0	468.0
Limit (dB)	51.2	51.3	-23.2	-20.7
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	11.0	11.7	33.7	36.5
Freq. (MHz)	8.8	6.8	492.0	500.0
Limit (dB)	48.9	51.5	-25.5	-26.1

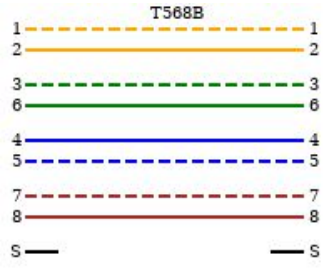
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	4,5	7,8	4,5
RL (dB)	7.0	8.1	7.0	8.1
Freq. (MHz)	472.0	484.0	472.0	484.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

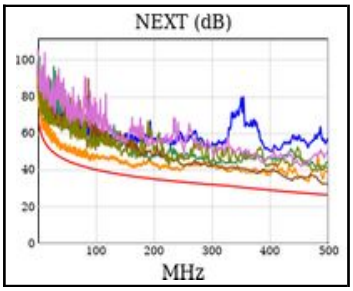
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

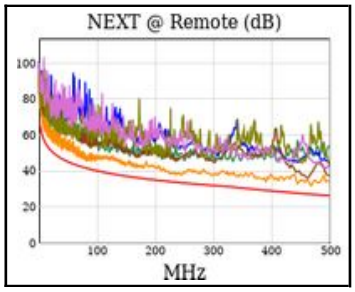


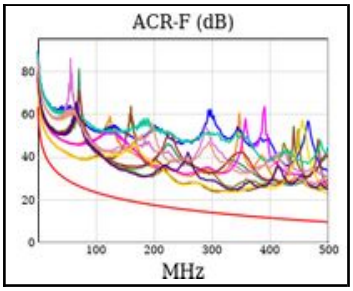
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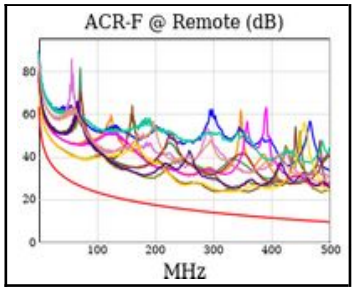


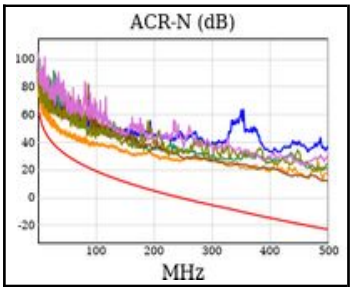


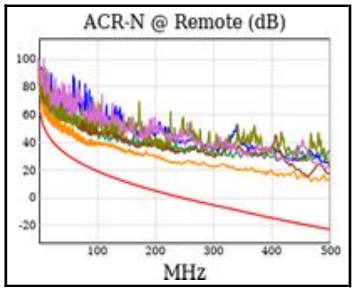


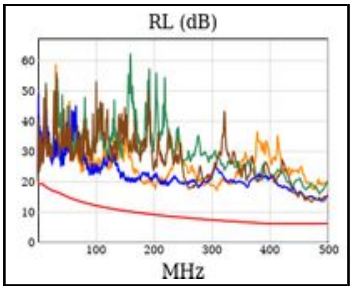


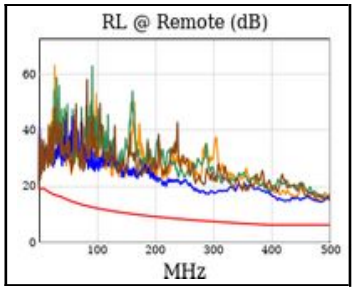












FLUKE networks

LinkWare Live

Cable ID: 110-2-A

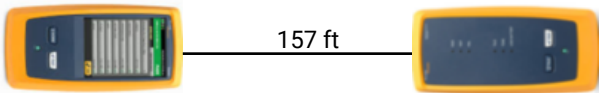
Test Summary: PASS

Date / Time: 11/21/2022 05:20:33 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

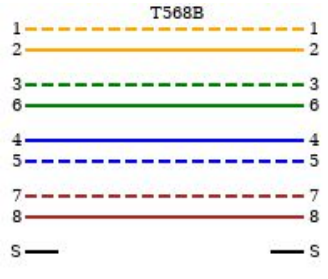
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

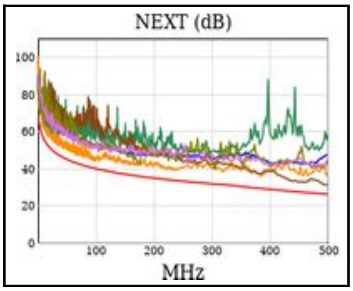
Length (ft), Limit 328	[Pair 7,8]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	245
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

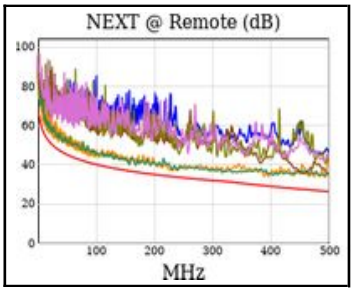


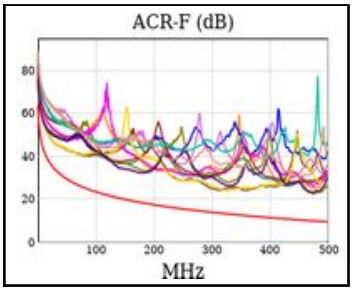
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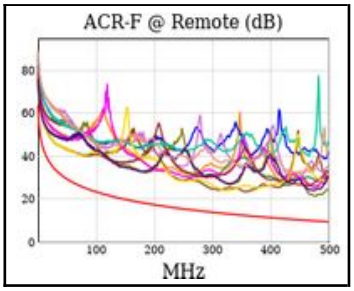


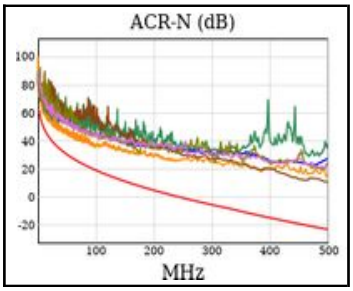


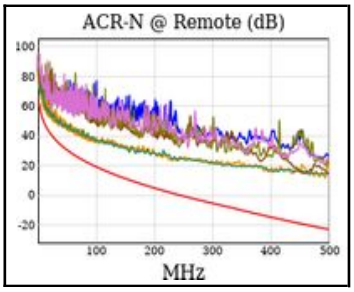


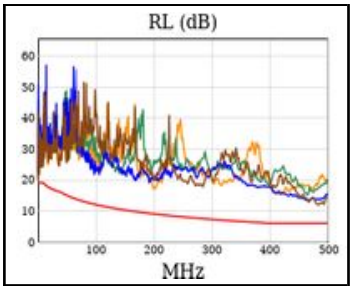


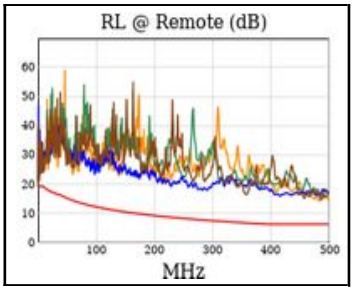












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.6	2.9	5.0	7.1
Freq. (MHz)	98.5	229.0	499.0	495.0
Limit (dB)	40.0	33.8	26.1	26.2
Worst Pair	1,2	1,2	3,6	1,2
PS NEXT (dB)	5.8	3.3	6.4	7.5
Freq. (MHz)	98.5	231.0	497.0	495.0
Limit (dB)	37.2	30.8	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	7,8-3,6
ACR-F (dB)	10.6	10.6	12.6	11.5
Freq. (MHz)	312.0	323.0	478.0	478.0
Limit (dB)	13.4	13.1	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	13.7	13.0
Freq. (MHz)	5.3	5.1	478.0	476.0
Limit (dB)	45.9	46.1	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.6	8.1	33.7	34.2
Freq. (MHz)	8.8	8.8	499.0	495.0
Limit (dB)	51.5	51.5	-23.1	-22.8
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.6	10.2	33.7	34.7
Freq. (MHz)	8.8	15.5	497.0	495.0
Limit (dB)	48.9	42.8	-25.8	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.8	7.2	5.8	7.7
Freq. (MHz)	485.0	18.1	485.0	483.0
Limit (dB)	6.0	17.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-2-B

Test Summary: PASS

Date / Time: 11/21/2022 05:23:25 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.6	3.3	4.6	4.5
Freq. (MHz)	500.0	449.0	500.0	497.0
Limit (dB)	26.1	27.4	26.1	26.2
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	6.0	5.4	6.0	6.5
Freq. (MHz)	497.0	449.0	497.0	497.0
Limit (dB)	23.3	24.5	23.3	23.3

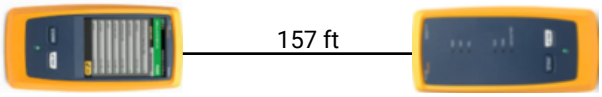
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	7,8-3,6
ACR-F (dB)	9.7	9.7	11.3	10.1
Freq. (MHz)	312.0	326.0	482.0	482.0
Limit (dB)	13.4	13.0	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.8	12.3	11.9
Freq. (MHz)	328.0	7.3	485.0	482.0
Limit (dB)	9.9	43.1	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.6	11.9	33.3	31.8
Freq. (MHz)	6.5	6.6	500.0	497.0
Limit (dB)	54.4	54.2	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	12.5	33.2	33.9
Freq. (MHz)	6.3	4.1	497.0	497.0
Limit (dB)	52.2	56.1	-25.8	-25.8

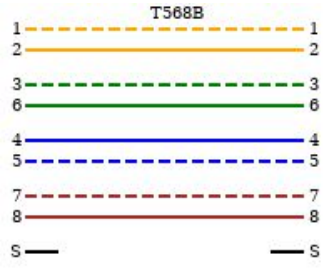
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.4	6.9	8.2	8.8
Freq. (MHz)	22.8	35.5	483.0	492.0
Limit (dB)	17.2	16.2	6.0	6.0

Compliant Network Standards:

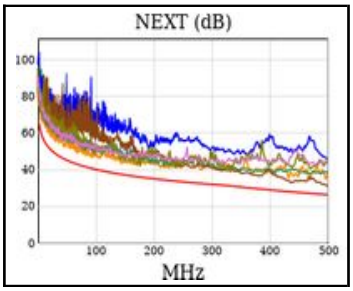
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

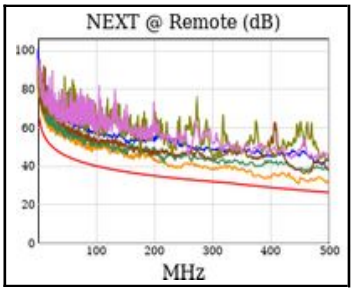


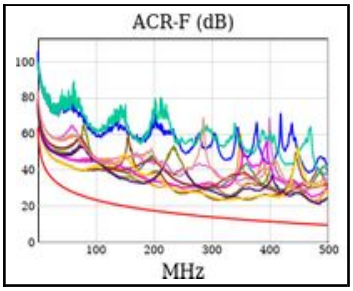
PASS

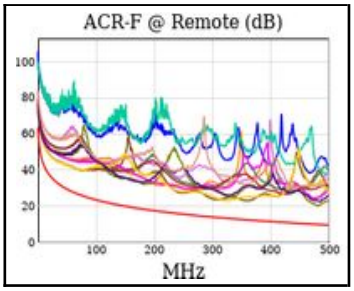


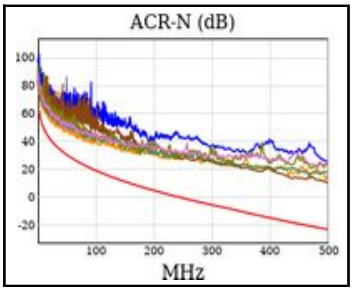


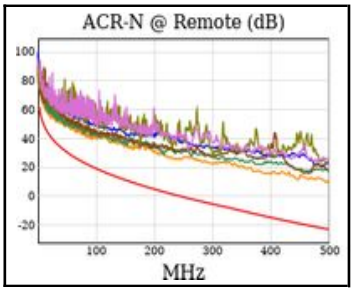


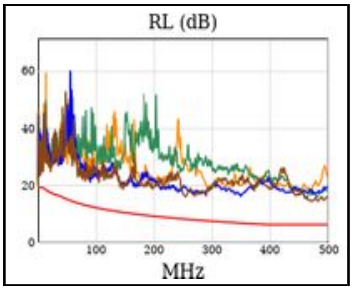


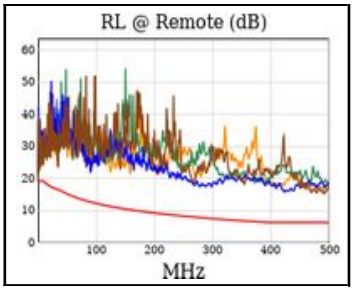












FLUKE networks

LinkWare Live

Cable ID: 109-B

Test Summary: PASS

Date / Time: 11/21/2022 02:09:39 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 3,6]	281
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	22.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	3.4	7.1	5.5
Freq. (MHz)	162.5	242.0	500.0	473.0
Limit (dB)	36.3	33.4	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	6.1	8.8	7.2
Freq. (MHz)	323.0	242.5	500.0	463.0
Limit (dB)	28.2	30.4	23.2	24.1

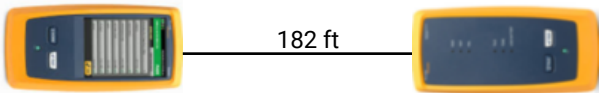
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.2	10.9	10.2
Freq. (MHz)	488.0	474.0	498.0	474.0
Limit (dB)	9.5	9.7	9.3	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.7	11.9	13.0
Freq. (MHz)	260.0	257.0	500.0	474.0
Limit (dB)	12.0	12.1	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	10.2	30.8	28.9
Freq. (MHz)	3.5	3.5	500.0	488.0
Limit (dB)	60.1	60.1	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	10.3	31.6	31.3
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	57.3	57.3	-26.1	-26.1

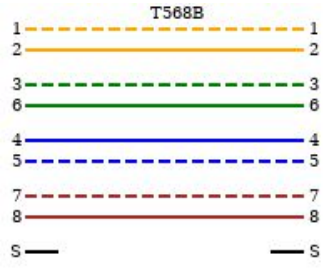
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.6	6.9	3.6	7.3
Freq. (MHz)	265.0	10.5	265.0	480.0
Limit (dB)	7.8	18.9	7.8	6.0

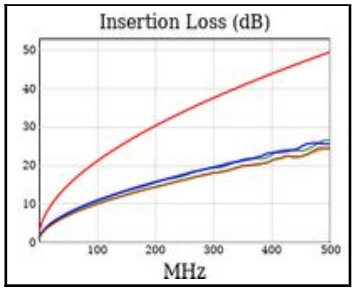
Compliant Network Standards:

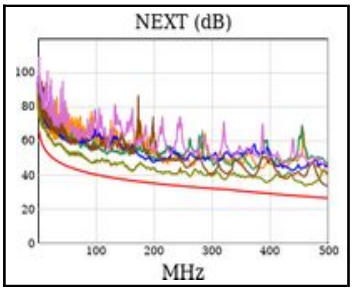
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

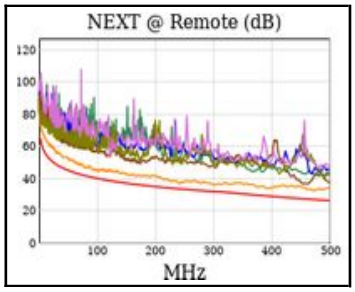


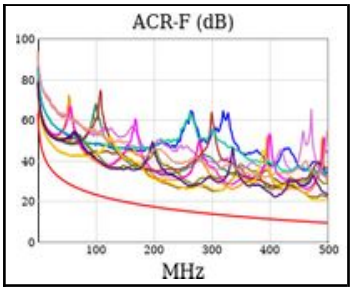
PASS

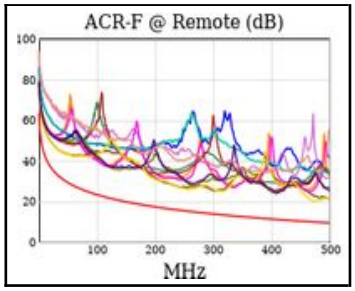


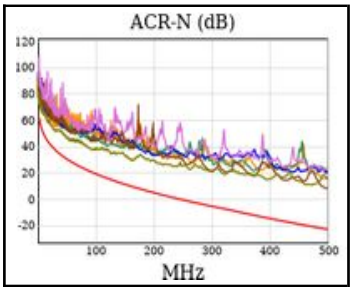


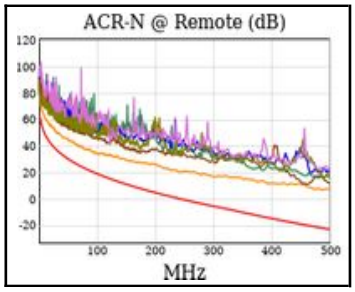


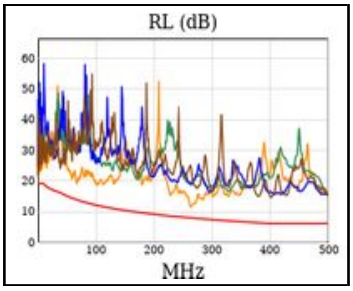


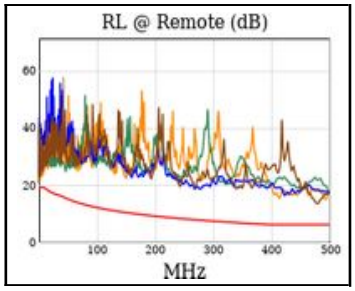












FLUKE networks

LinkWare Live

Cable ID: 109-B

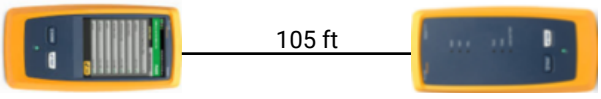
Test Summary: PASS

Date / Time: 11/22/2022 12:07:43 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

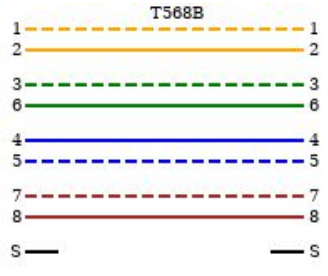
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

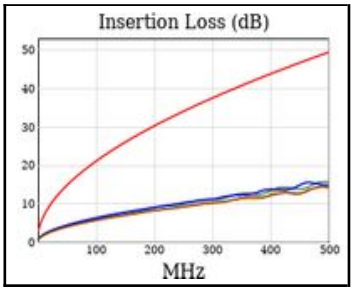
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

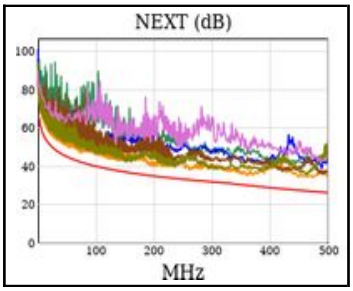
Length (ft), Limit 328	[Pair 1,2]	105
Prop. Delay (ns), Limit 555	[Pair 3,6]	163
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.3
Insertion Loss Margin (dB)	[Pair 3,6]	33.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

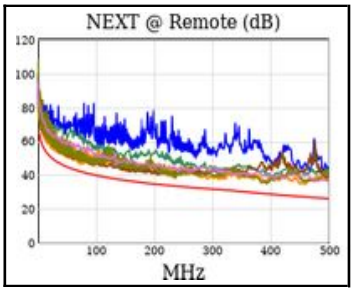


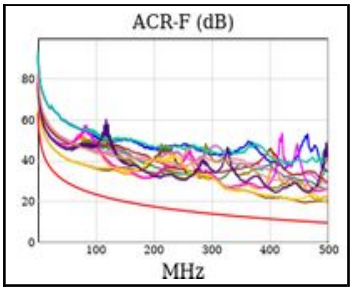
PASS

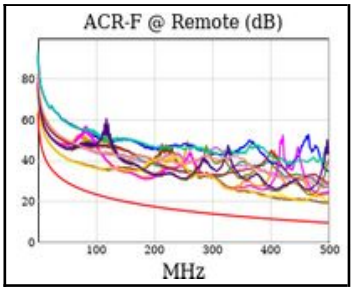


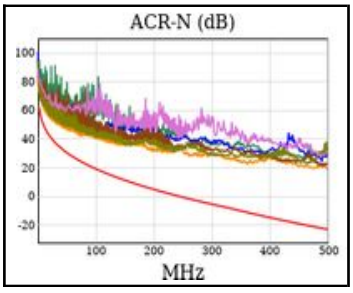


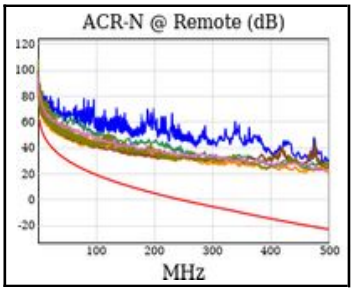


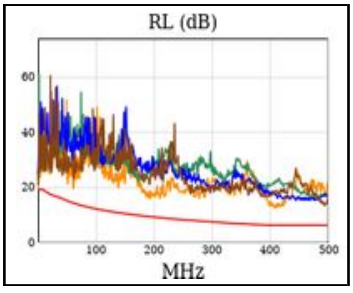


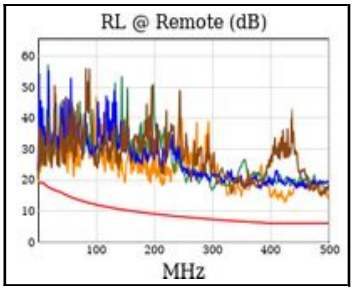












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	4.5	4.0	7.2	7.0
Freq. (MHz)	74.3	74.3	474.0	457.0
Limit (dB)	42.1	42.1	26.7	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.1	4.2	7.6	7.8
Freq. (MHz)	234.0	238.0	466.0	461.0
Limit (dB)	30.7	30.5	24.0	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.1	9.5	9.7	9.5
Freq. (MHz)	462.0	490.0	500.0	490.0
Limit (dB)	10.0	9.5	9.3	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.6	10.9	10.6
Freq. (MHz)	500.0	483.0	500.0	483.0
Limit (dB)	6.3	6.6	6.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	9.5	8.8	42.0	43.1
Freq. (MHz)	3.0	3.0	499.0	499.0
Limit (dB)	61.4	61.4	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.6	41.9	43.8
Freq. (MHz)	3.5	5.9	491.0	499.0
Limit (dB)	57.6	52.8	-25.4	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.2	6.5	6.0	6.5
Freq. (MHz)	62.0	424.0	410.0	424.0
Limit (dB)	14.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-A

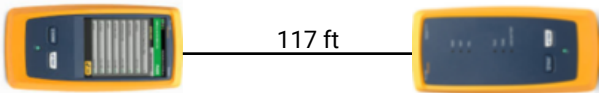
Test Summary: PASS

Date / Time: 11/22/2022 12:11:52 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

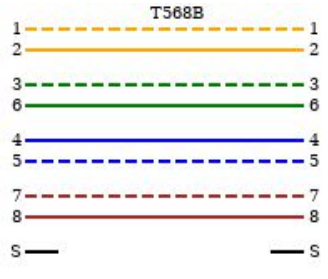
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

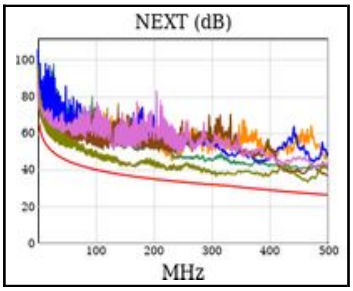
Length (ft), Limit 328	[Pair 1,2]	117
Prop. Delay (ns), Limit 555	[Pair 3,6]	181
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 7,8]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	32.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

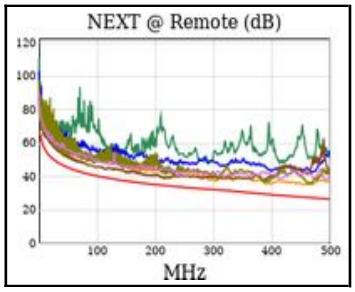


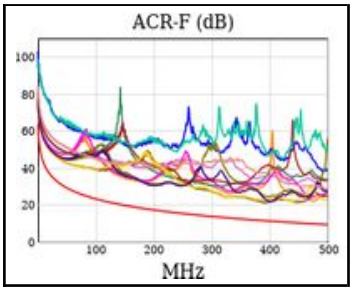
PASS

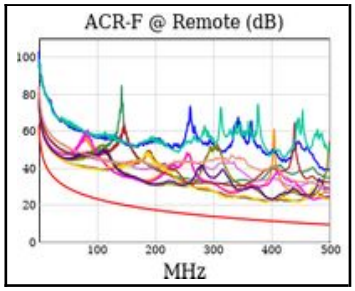


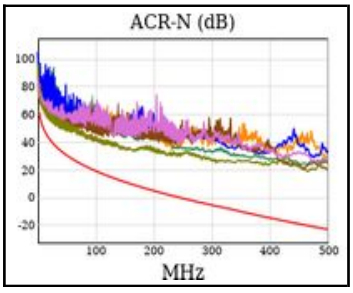


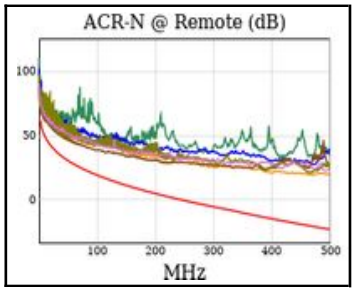


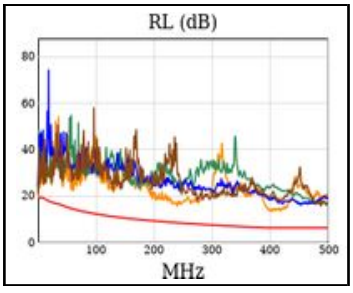


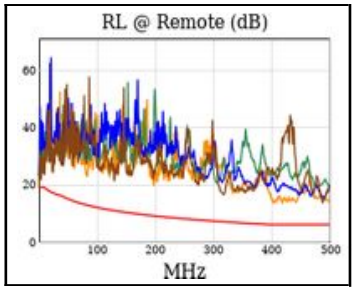












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
NEXT (dB)	4.3	4.1	6.2	7.8
Freq. (MHz)	308.0	216.0	466.0	470.0
Limit (dB)	31.5	34.2	26.9	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	4.2	8.3	5.2
Freq. (MHz)	3.3	218.5	466.0	389.0
Limit (dB)	62.0	31.2	24.0	26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.9	9.7	10.0
Freq. (MHz)	392.0	389.0	392.0	392.0
Limit (dB)	11.4	11.5	11.4	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.0	11.0	12.3
Freq. (MHz)	401.0	395.0	401.0	468.0
Limit (dB)	8.2	8.3	8.2	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	9.8	9.1	39.0	39.5
Freq. (MHz)	3.0	2.9	466.0	470.0
Limit (dB)	61.4	61.4	-20.5	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.2	40.1	39.4
Freq. (MHz)	3.3	2.9	466.0	466.0
Limit (dB)	58.2	58.4	-23.4	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.9	7.1	6.9	7.1
Freq. (MHz)	419.0	419.0	419.0	419.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 109-B

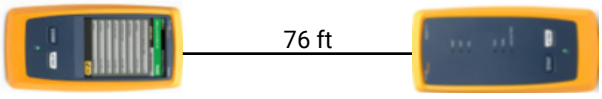
Test Summary: PASS

Date / Time: 11/25/2022 11:55:54 AM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

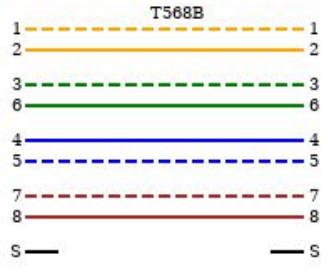
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	76
Prop. Delay (ns), Limit 555	[Pair 4,5]	118
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 7,8]	4.2
Insertion Loss Margin (dB)	[Pair 3,6]	36.9
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS



PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	4,5-7,8
NEXT (dB)	3.6	3.6	5.4	6.7
Freq. (MHz)	229.5	322.0	462.0	478.0
Limit (dB)	33.8	31.2	27.0	26.6
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	5.4	5.2	6.3	7.0
Freq. (MHz)	227.5	328.0	463.0	463.0
Limit (dB)	30.9	28.1	24.1	24.1

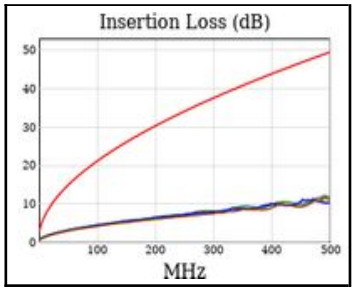
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.0	11.0	12.7	11.9
Freq. (MHz)	6.0	6.0	498.0	500.0
Limit (dB)	47.7	47.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	14.8	12.7
Freq. (MHz)	5.8	2.0	498.0	500.0
Limit (dB)	45.1	54.2	6.3	6.3

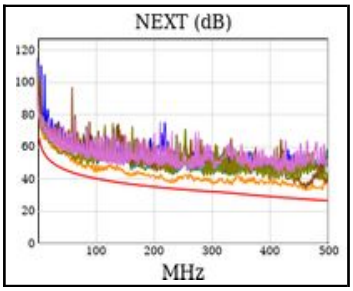
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	13.2	12.7	43.6	44.3
Freq. (MHz)	5.0	3.8	491.0	489.0
Limit (dB)	56.9	59.5	-22.5	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.3	12.6	45.2	45.1
Freq. (MHz)	4.4	4.3	492.0	490.0
Limit (dB)	55.6	55.8	-25.5	-25.3

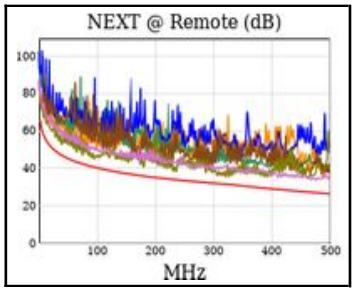
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.1	3.0	4.1	4.9
Freq. (MHz)	497.0	59.5	497.0	397.0
Limit (dB)	6.0	14.3	6.0	6.0

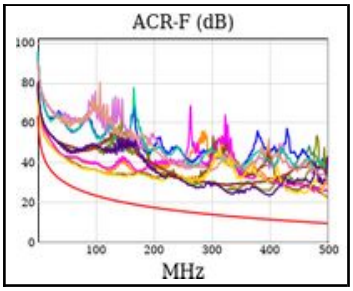
Compliant Network Standards:

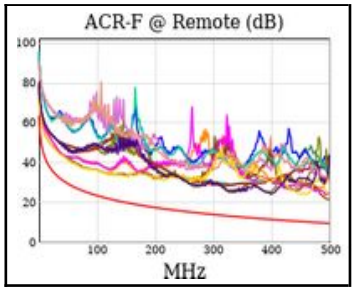
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

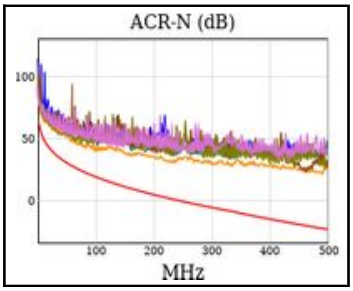


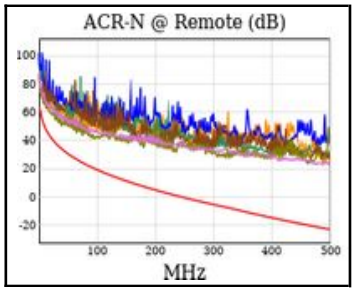


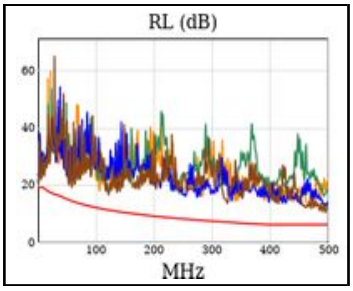


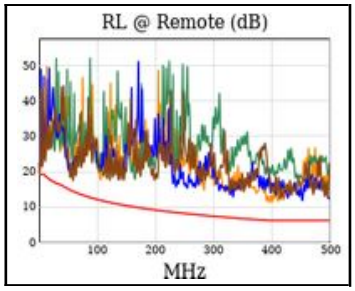












FLUKE networks

LinkWare Live

Cable ID: 110-A

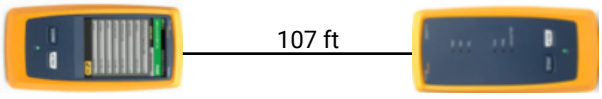
Test Summary: PASS

Date / Time: 11/25/2022 05:11:12 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

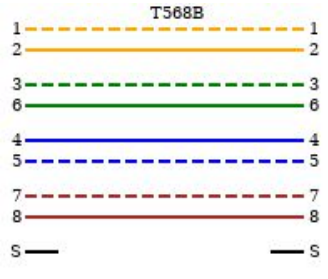
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

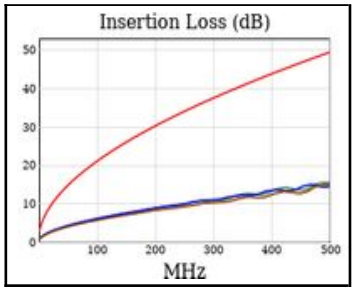
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

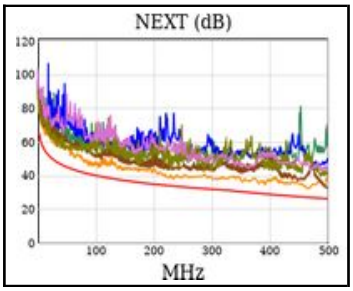
Length (ft), Limit 328	[Pair 7,8]	107
Prop. Delay (ns), Limit 555	[Pair 4,5]	166
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	33.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

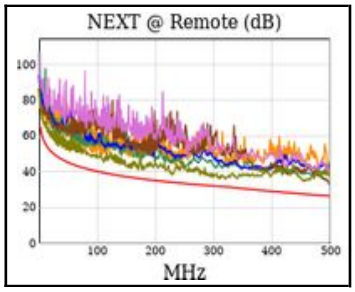


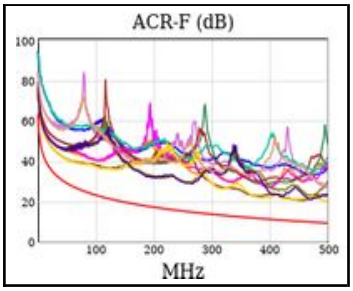
PASS

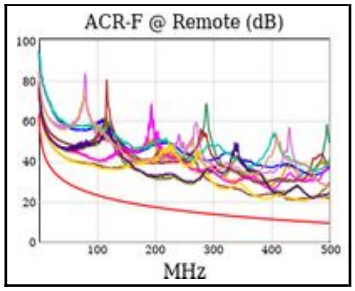


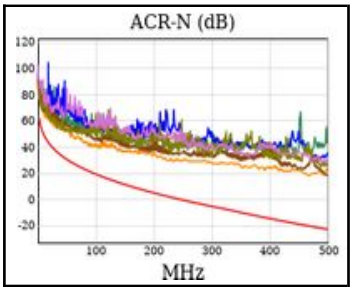


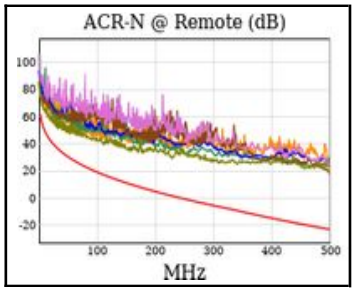


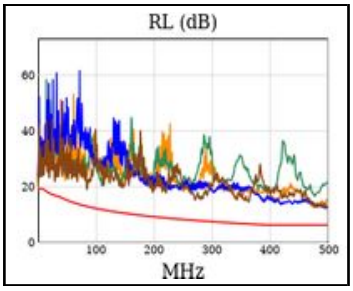


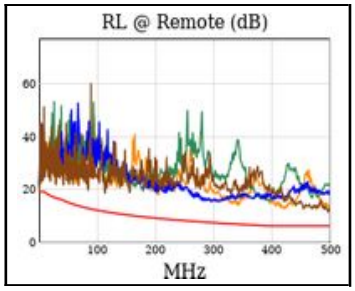












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	3.9	5.1	6.8
Freq. (MHz)	235.5	312.0	467.0	499.0
Limit (dB)	33.6	31.5	26.9	26.1
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	6.1	6.4	6.3	7.9
Freq. (MHz)	235.5	312.0	495.0	499.0
Limit (dB)	30.6	28.5	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	9.6	10.8	10.2
Freq. (MHz)	387.0	387.0	498.0	455.0
Limit (dB)	11.5	11.5	9.3	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.0	11.9	11.8
Freq. (MHz)	424.0	1.0	496.0	473.0
Limit (dB)	7.7	60.3	6.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	13.9	12.5	40.6	41.5
Freq. (MHz)	3.0	6.3	495.0	499.0
Limit (dB)	61.4	54.8	-22.8	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.0	11.5	39.9	42.0
Freq. (MHz)	6.1	3.0	495.0	500.0
Limit (dB)	52.4	58.4	-25.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.0	5.0	5.8	5.0
Freq. (MHz)	30.3	498.0	498.0	498.0
Limit (dB)	16.6	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-A

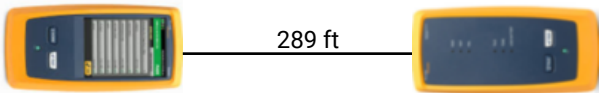
Test Summary: PASS

Date / Time: 11/27/2022 06:02:06 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

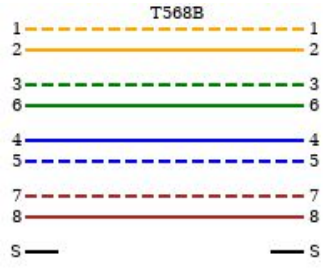
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

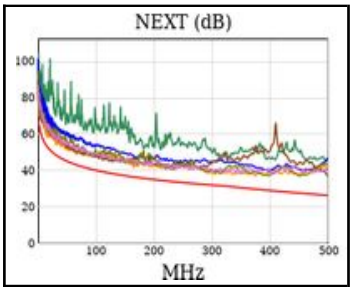
Length (ft), Limit 328	[Pair 1,2]	289
Prop. Delay (ns), Limit 555	[Pair 4,5]	455
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	10.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

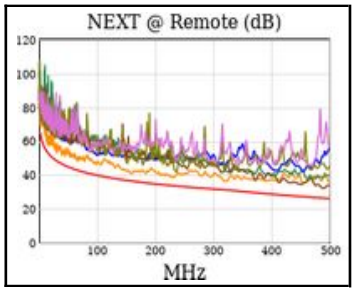


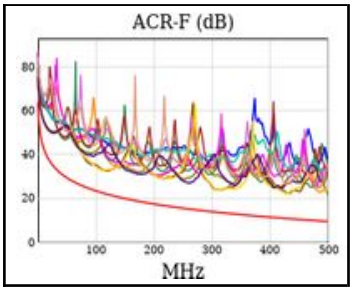
PASS

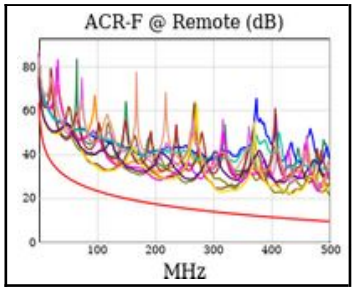


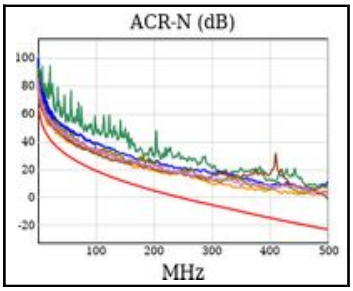


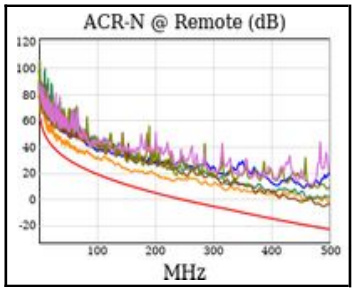


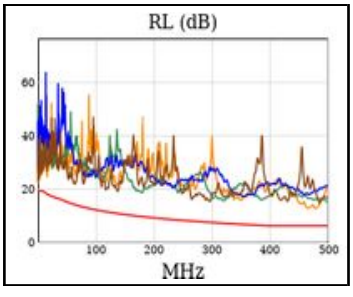


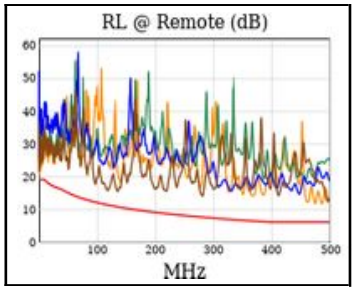












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.9	4.3	9.4	5.8
Freq. (MHz)	3.5	3.5	452.0	491.0
Limit (dB)	64.0	64.0	27.3	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	5.5	9.4	7.4
Freq. (MHz)	3.4	3.5	452.0	488.0
Limit (dB)	61.7	61.5	24.4	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.4	12.3	12.0
Freq. (MHz)	312.0	312.0	500.0	500.0
Limit (dB)	13.4	13.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	13.1	11.4
Freq. (MHz)	339.0	421.0	500.0	421.0
Limit (dB)	9.7	7.8	6.3	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	5.9	5.3	21.7	16.8
Freq. (MHz)	3.5	3.5	500.0	491.0
Limit (dB)	60.1	60.1	-23.2	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.9	6.5	22.1	17.8
Freq. (MHz)	3.4	3.5	500.0	488.0
Limit (dB)	57.9	57.6	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.0	4.3	6.5	5.5
Freq. (MHz)	7.5	119.0	480.0	487.0
Limit (dB)	19.0	11.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-B

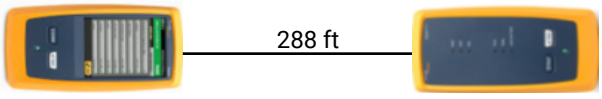
Test Summary: PASS

Date / Time: 11/27/2022 06:01:37 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

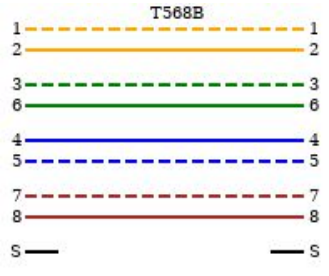
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

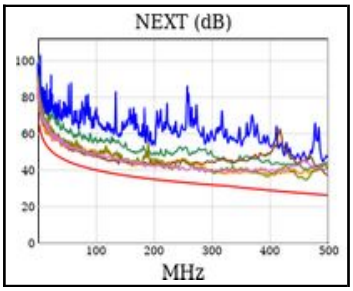
Length (ft), Limit 328	[Pair 1,2]	288
Prop. Delay (ns), Limit 555	[Pair 4,5]	456
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	10.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

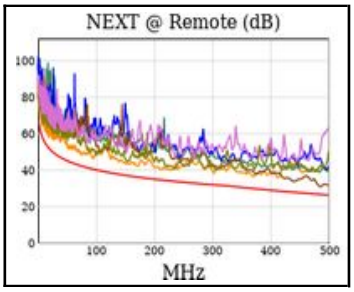


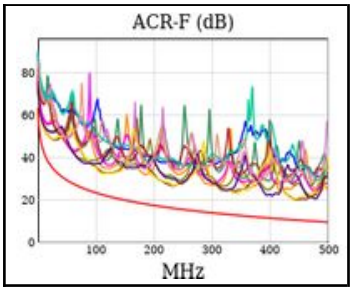
PASS

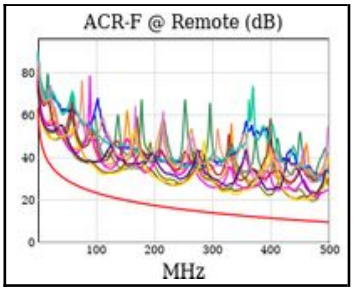


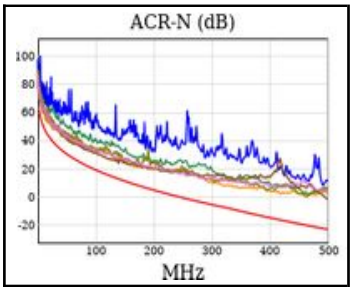


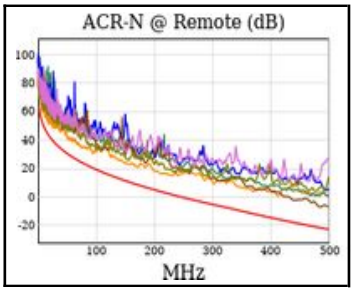


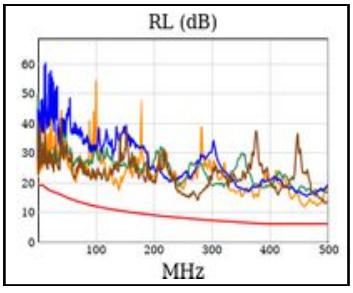


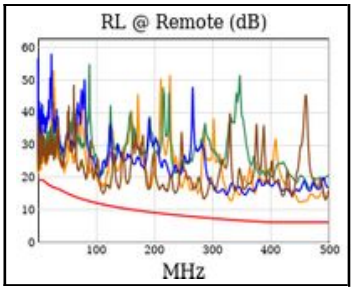












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	4.3	7.5	4.3
Freq. (MHz)	140.0	487.0	463.0	487.0
Limit (dB)	37.4	26.4	27.0	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.1	8.9	6.5
Freq. (MHz)	163.0	234.0	465.0	487.0
Limit (dB)	33.4	30.7	24.1	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	3,6-4,5	7,8-3,6
ACR-F (dB)	9.6	9.6	9.7	9.7
Freq. (MHz)	447.0	472.0	449.0	476.0
Limit (dB)	10.3	9.8	10.2	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	9.2	11.2	9.2
Freq. (MHz)	1.4	476.0	481.0	476.0
Limit (dB)	57.5	6.7	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.6	7.1	21.8	14.7
Freq. (MHz)	14.0	5.8	500.0	487.0
Limit (dB)	46.5	55.6	-23.2	-22.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	7.9	21.7	16.2
Freq. (MHz)	9.4	9.4	500.0	487.0
Limit (dB)	48.2	48.2	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	3.1	5.9	6.2
Freq. (MHz)	6.4	6.3	461.0	454.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-B

Test Summary: PASS

Date / Time: 12/17/2022 03:51:54 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	293
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	8.1	5.5	8.6	5.9
Freq. (MHz)	3.5	305.0	500.0	392.0
Limit (dB)	64.0	31.6	26.1	29.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.5	4.3	8.6	5.8
Freq. (MHz)	3.5	161.5	490.0	394.0
Limit (dB)	61.5	33.5	23.5	26.0

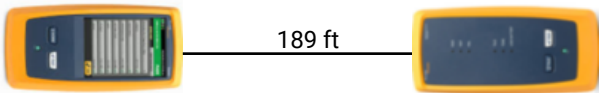
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.8	11.9	11.9	11.9
Freq. (MHz)	248.0	500.0	497.0	500.0
Limit (dB)	15.4	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.3	12.9	12.6
Freq. (MHz)	266.0	254.0	500.0	474.0
Limit (dB)	11.8	12.2	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.2	8.9	33.5	32.6
Freq. (MHz)	3.5	3.3	500.0	463.0
Limit (dB)	60.1	60.7	-23.2	-20.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.6	9.2	33.3	33.1
Freq. (MHz)	3.5	3.3	490.0	472.0
Limit (dB)	57.6	58.2	-25.3	-23.9

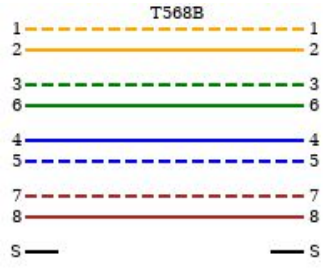
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.2	5.6	7.2	7.5
Freq. (MHz)	487.0	73.5	487.0	417.0
Limit (dB)	6.0	13.3	6.0	6.0

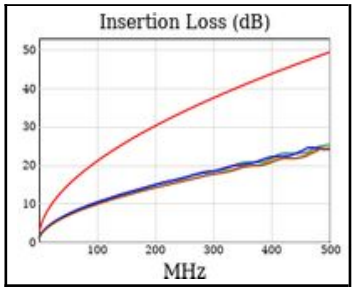
Compliant Network Standards:

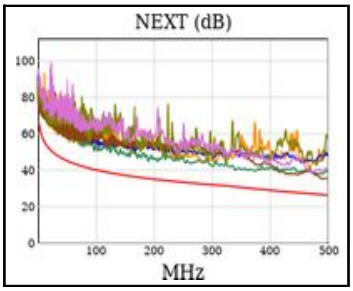
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

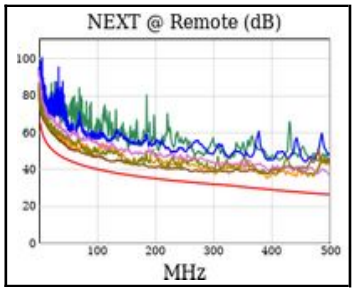


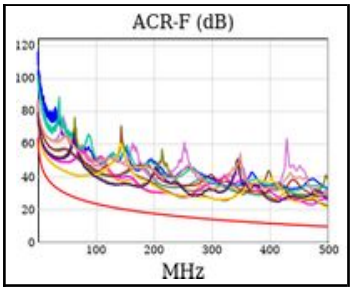
PASS

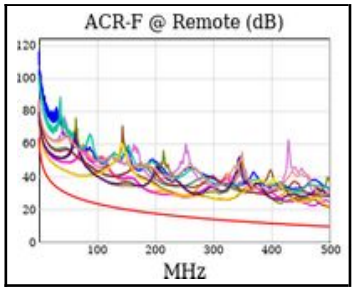


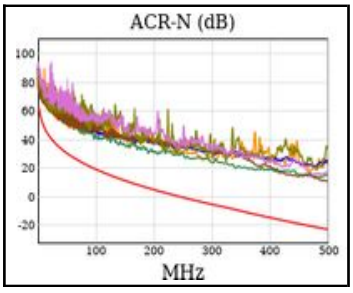


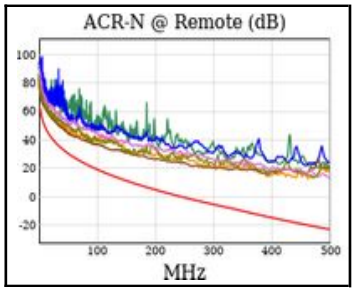


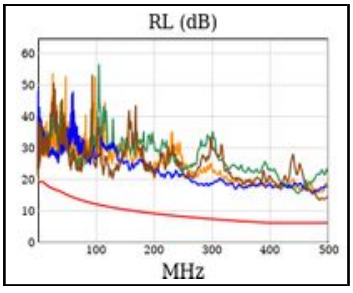


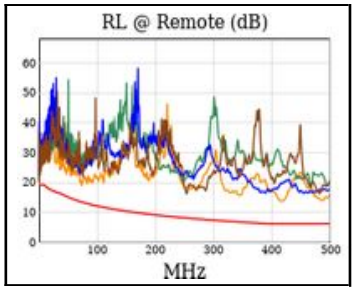












FLUKE networks

LinkWare Live

Cable ID: 111-A

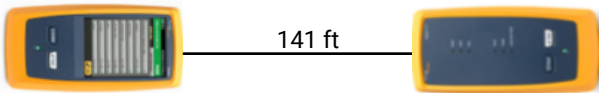
Test Summary: PASS

Date / Time: 12/17/2022 03:55:40 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

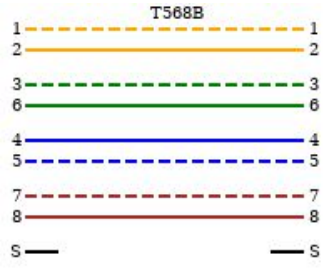
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

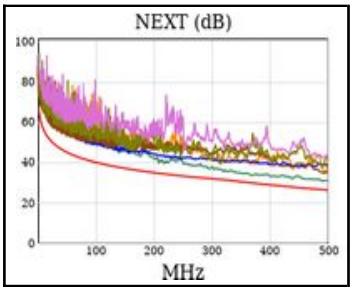
Length (ft), Limit 328	[Pair 7,8]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

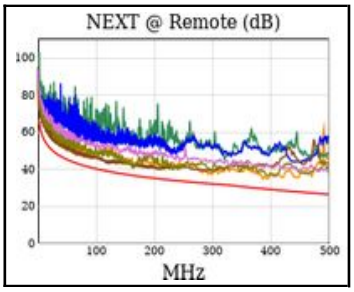


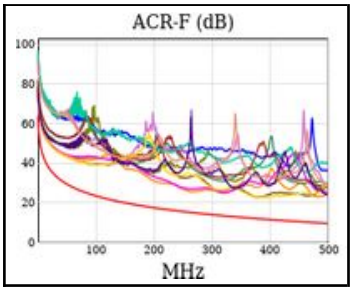
PASS

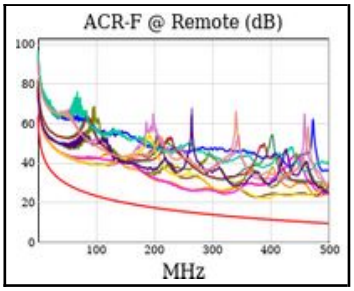


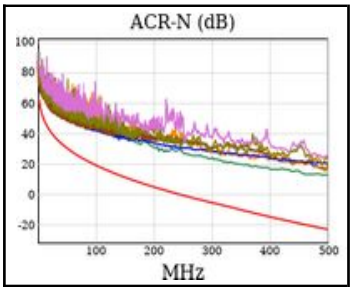


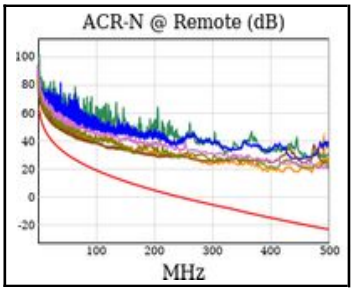


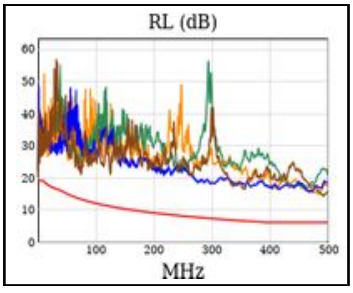


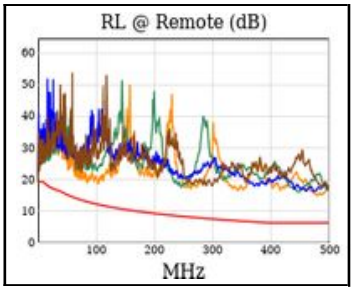












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-4,5	1,2-3,6
NEXT (dB)	3.5	3.8	4.1	4.9
Freq. (MHz)	370.0	165.0	492.0	387.0
Limit (dB)	29.7	36.2	26.3	29.1
Worst Pair	1,2	3,6	1,2	3,6
PS NEXT (dB)	4.9	3.4	5.3	5.7
Freq. (MHz)	370.0	165.0	496.0	397.0
Limit (dB)	26.7	33.3	23.3	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.6	10.9	10.7
Freq. (MHz)	263.0	392.0	399.0	399.0
Limit (dB)	14.9	11.4	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	12.6	13.8
Freq. (MHz)	1.4	12.9	483.0	483.0
Limit (dB)	57.5	38.1	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	8.8	8.1	34.8	37.8
Freq. (MHz)	4.6	4.5	492.0	471.0
Limit (dB)	57.6	57.8	-22.6	-20.9
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.8	8.5	36.0	38.6
Freq. (MHz)	4.6	4.5	496.0	471.0
Limit (dB)	55.1	55.3	-25.8	-23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.7	5.9	8.1	8.4
Freq. (MHz)	75.5	84.8	493.0	481.0
Limit (dB)	13.2	12.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-B

Test Summary: PASS

Date / Time: 12/19/2022 01:49:44 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	155
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	24.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	7.1	10.3	9.0
Freq. (MHz)	48.5	4.1	465.0	498.0
Limit (dB)	45.2	62.8	27.0	26.1
Worst Pair	3,6	1,2	1,2	4,5
PS NEXT (dB)	5.5	8.2	10.5	9.0
Freq. (MHz)	97.3	104.0	482.0	492.0
Limit (dB)	37.3	36.8	23.7	23.4

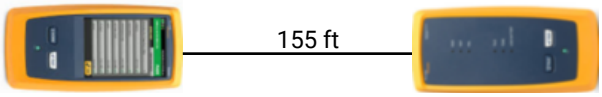
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	10.7	10.7	10.7	11.5
Freq. (MHz)	451.0	452.0	451.0	496.0
Limit (dB)	10.2	10.2	10.2	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	13.0	12.5
Freq. (MHz)	408.0	407.0	499.0	490.0
Limit (dB)	8.0	8.1	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.6	9.6	35.3	34.5
Freq. (MHz)	4.1	4.1	477.0	498.0
Limit (dB)	58.6	58.6	-21.4	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	11.4	37.2	34.7
Freq. (MHz)	4.0	4.1	500.0	496.0
Limit (dB)	56.4	56.1	-26.1	-25.8

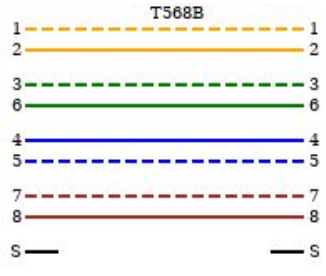
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.8	4.8	8.6	4.8
Freq. (MHz)	23.6	269.0	489.0	269.0
Limit (dB)	17.1	7.7	6.0	7.7

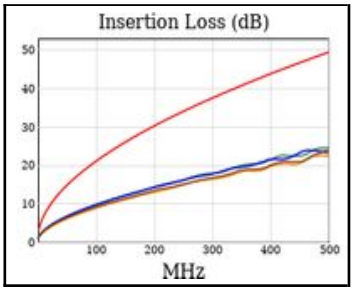
Compliant Network Standards:

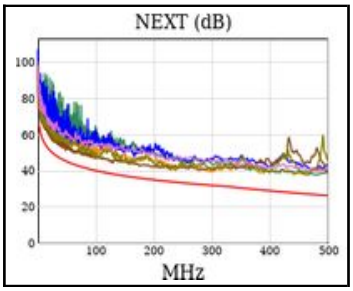
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

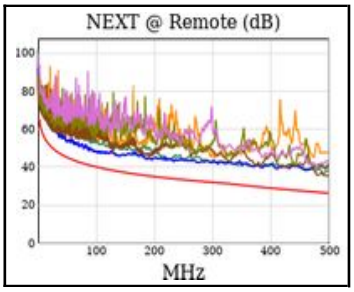


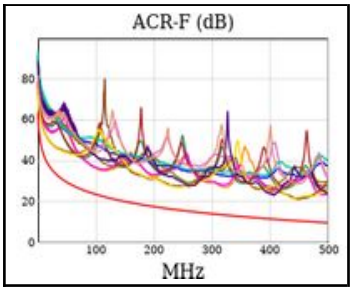
PASS

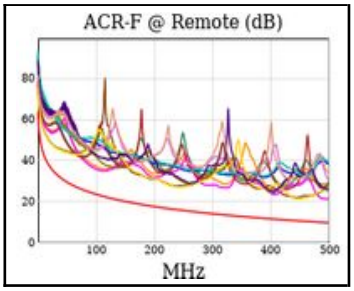


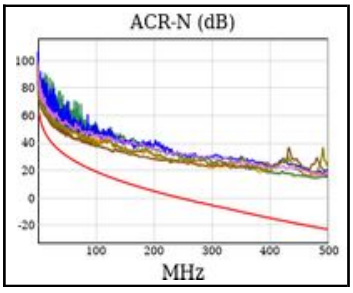


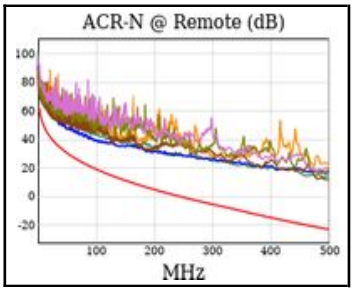


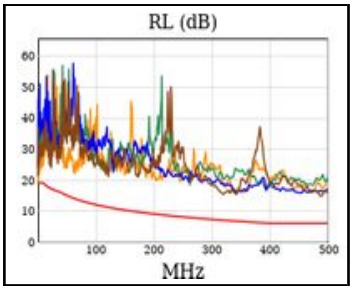


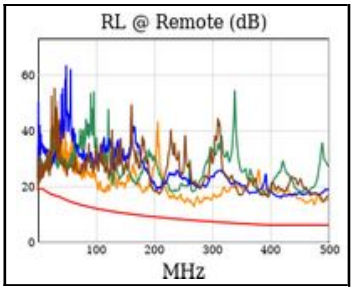












FLUKE networks

LinkWare Live

Cable ID: 110-B

Test Summary: PASS

Date / Time: 11/25/2022 05:43:57 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	225
Prop. Delay (ns), Limit 555	[Pair 3,6]	348
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 7,8]	14.4
Insertion Loss Margin (dB)	[Pair 4,5]	17.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	6.0	5.5	7.2
Freq. (MHz)	241.0	99.5	463.0	500.0
Limit (dB)	33.4	40.0	27.0	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.4	8.2	7.4	8.7
Freq. (MHz)	241.0	99.5	462.0	500.0
Limit (dB)	30.4	37.1	24.1	23.2

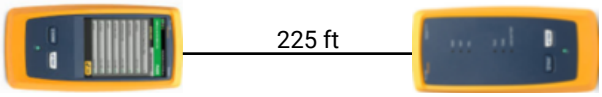
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.1	11.2	10.9
Freq. (MHz)	328.0	328.0	500.0	500.0
Limit (dB)	12.9	12.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	9.8	12.3	11.7
Freq. (MHz)	327.0	327.0	499.0	490.0
Limit (dB)	10.0	10.0	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.3	9.1	25.7	25.1
Freq. (MHz)	4.5	4.4	496.0	500.0
Limit (dB)	57.8	58.1	-22.9	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	10.9	26.8	26.9
Freq. (MHz)	4.5	3.0	500.0	500.0
Limit (dB)	55.3	58.4	-26.1	-26.1

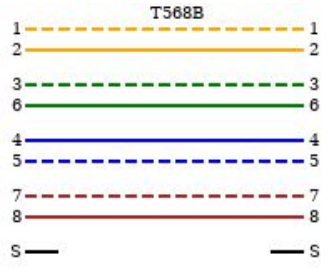
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	7,8
RL (dB)	6.3	4.3	6.3	7.1
Freq. (MHz)	499.0	6.6	499.0	493.0
Limit (dB)	6.0	19.0	6.0	6.0

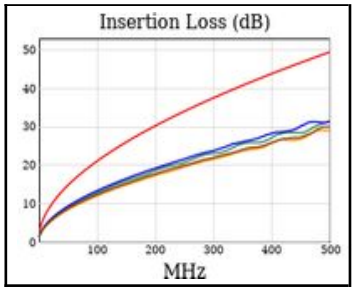
Compliant Network Standards:

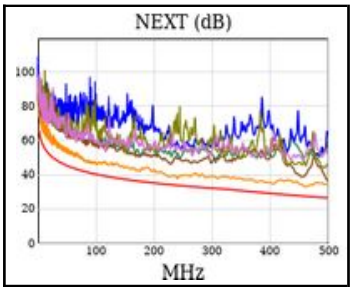
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

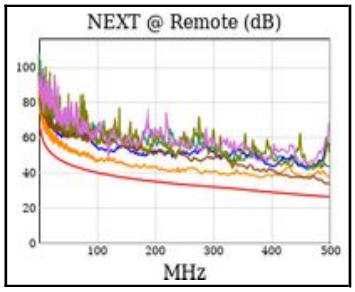


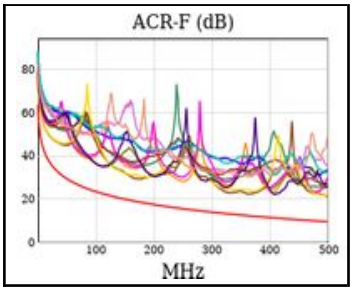
PASS

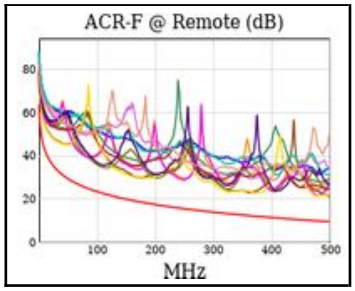


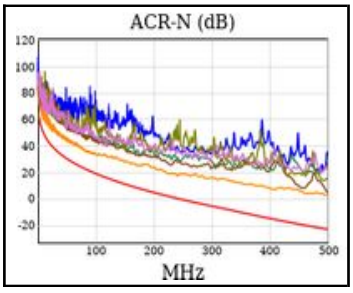


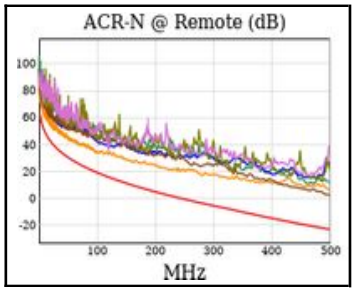


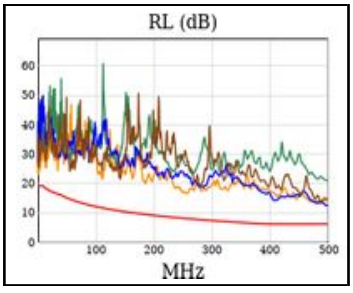


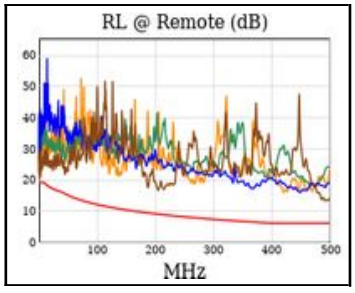












FLUKE networks

LinkWare Live

Cable ID: 111-A

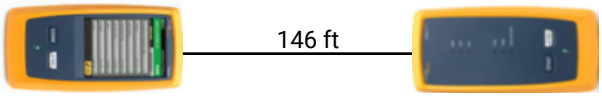
Test Summary: PASS

Date / Time: 11/25/2022 02:23:40 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

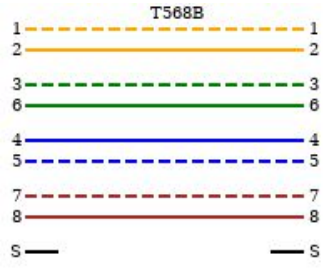
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

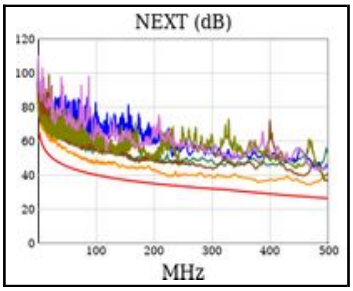
Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 3,6]	226
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

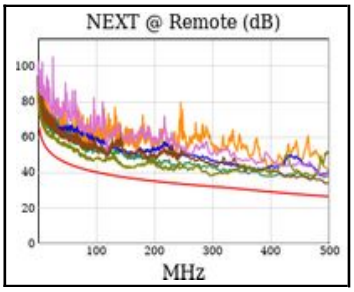


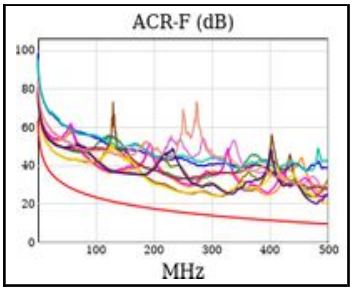
PASS

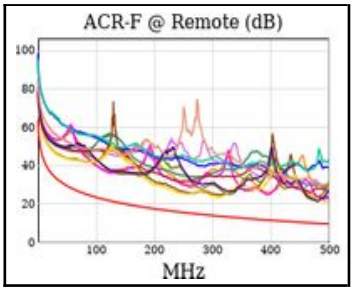


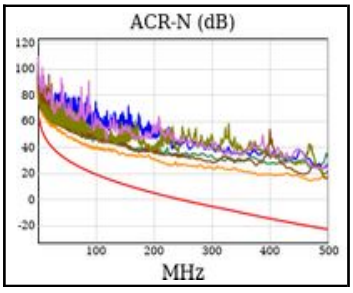


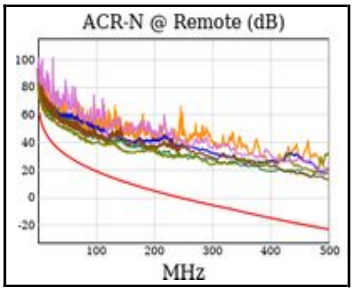


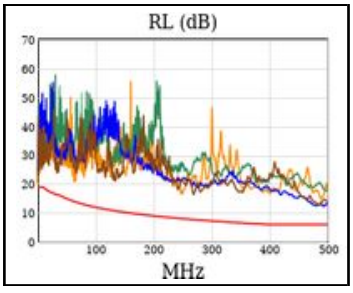


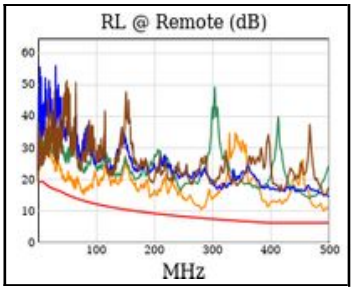












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.0	5.0	7.3	7.1
Freq. (MHz)	225.5	151.5	470.0	496.0
Limit (dB)	33.9	36.9	26.8	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	7.2	6.6	9.3	7.6
Freq. (MHz)	242.5	4.3	496.0	493.0
Limit (dB)	30.4	60.1	23.3	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.1	9.7	10.1	11.1
Freq. (MHz)	259.0	310.0	481.0	500.0
Limit (dB)	15.0	13.4	9.6	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	10.7	11.8
Freq. (MHz)	482.0	269.0	482.0	489.0
Limit (dB)	6.6	11.7	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.5	10.6	35.2	35.8
Freq. (MHz)	4.5	4.0	473.0	496.0
Limit (dB)	57.8	58.9	-21.1	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.0	9.3	37.4	36.1
Freq. (MHz)	4.5	4.4	496.0	493.0
Limit (dB)	55.3	55.6	-25.8	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	6.3	2.1	6.3	3.7
Freq. (MHz)	494.0	80.3	494.0	492.0
Limit (dB)	6.0	13.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-A

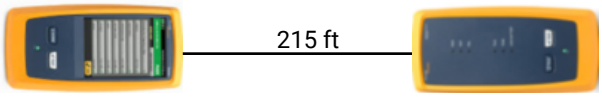
Test Summary: PASS

Date / Time: 11/27/2022 12:17:23 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

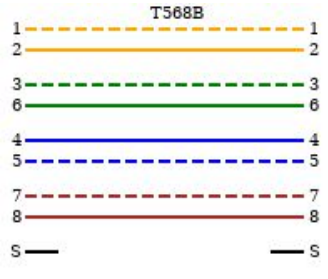
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

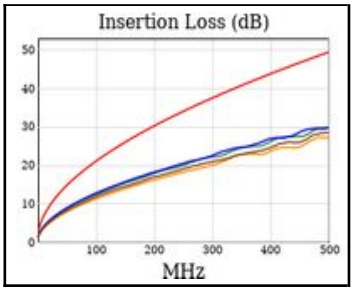
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	215
Prop. Delay (ns), Limit 555	[Pair 4,5]	340
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	13.8
Insertion Loss Margin (dB)	[Pair 4,5]	19.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

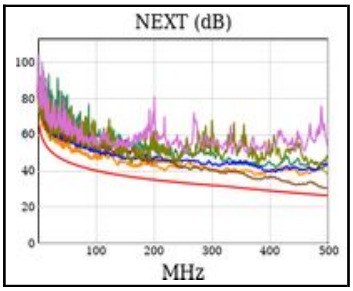


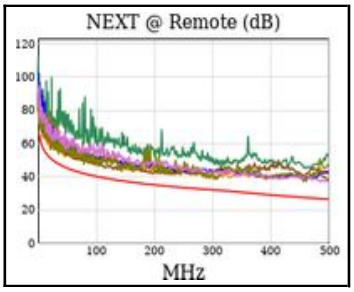
PASS



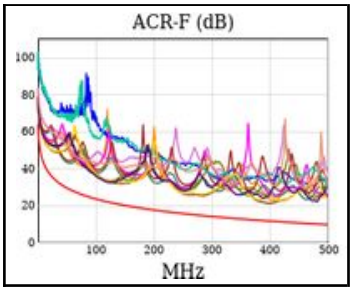


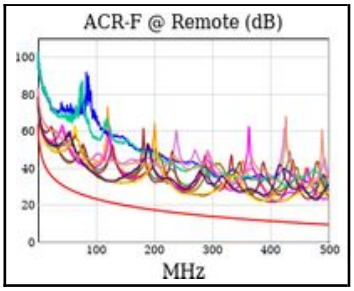
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	3.9	5.0	4.0	10.0
Freq. (MHz)	496.0	22.3	499.0	487.0
Limit (dB)	26.2	50.9	26.1	26.4
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.1	4.2	6.2	9.1
Freq. (MHz)	22.4	22.4	500.0	457.0
Limit (dB)	48.2	48.2	23.2	24.3



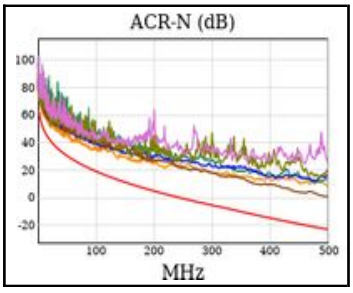


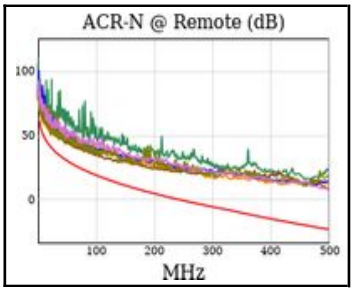
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	10.2	9.5	10.5
Freq. (MHz)	400.0	384.0	400.0	409.0
Limit (dB)	11.2	11.6	11.2	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	9.9	11.2	10.1
Freq. (MHz)	254.0	257.0	399.0	408.0
Limit (dB)	12.2	12.1	8.2	8.0



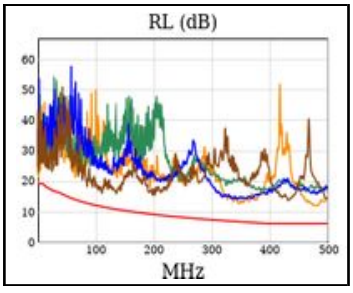


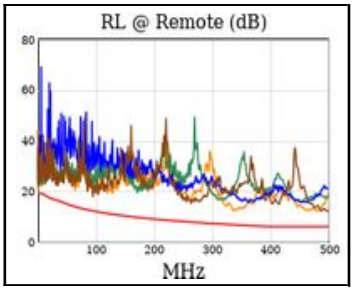
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.4	7.5	23.6	30.6
Freq. (MHz)	7.9	7.9	500.0	500.0
Limit (dB)	52.5	52.5	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.3	6.6	25.8	30.2
Freq. (MHz)	3.3	3.0	500.0	500.0
Limit (dB)	58.2	58.4	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	7,8
RL (dB)	4.4	3.2	5.8	6.0
Freq. (MHz)	111.5	7.9	478.0	498.0
Limit (dB)	11.5	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-A

Test Summary: PASS

Date / Time: 11/21/2022 04:42:41 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	124
Prop. Delay (ns), Limit 555	[Pair 4,5]	193
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	4.1	6.4	4.5
Freq. (MHz)	92.5	232.0	498.0	495.0
Limit (dB)	40.5	33.7	26.1	26.2
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.1	6.2	6.9	6.6
Freq. (MHz)	243.5	77.8	500.0	495.0
Limit (dB)	30.4	39.0	23.2	23.3

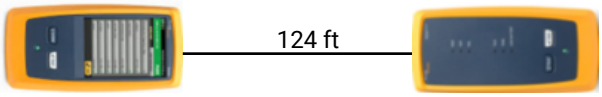
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.8	11.3	10.5
Freq. (MHz)	384.0	389.0	489.0	470.0
Limit (dB)	11.6	11.5	9.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.5	12.3	11.3
Freq. (MHz)	6.6	1.0	490.0	405.0
Limit (dB)	43.8	60.3	6.5	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	9.7	39.3	35.9
Freq. (MHz)	5.8	5.8	498.0	495.0
Limit (dB)	55.6	55.6	-23.1	-22.8
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.1	11.6	38.7	38.0
Freq. (MHz)	5.8	5.8	500.0	495.0
Limit (dB)	53.0	53.0	-26.1	-25.7

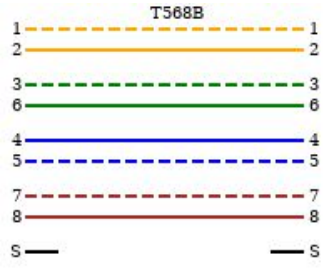
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.5	7.7	6.5	7.7
Freq. (MHz)	485.0	467.0	485.0	467.0
Limit (dB)	6.0	6.0	6.0	6.0

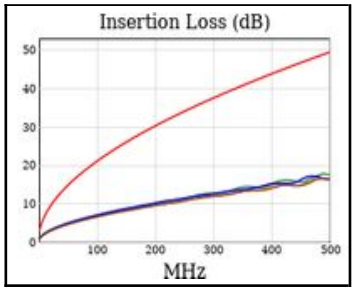
Compliant Network Standards:

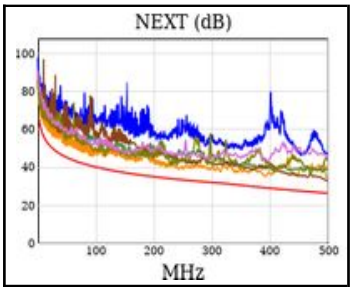
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

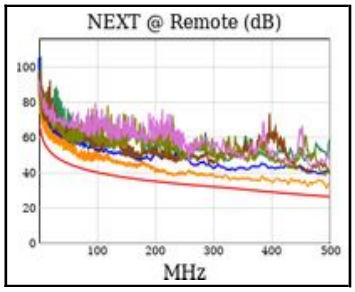


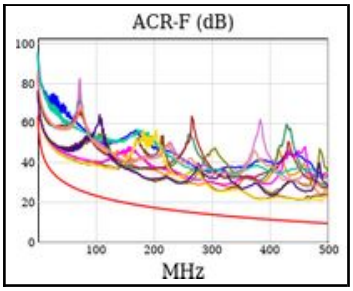
PASS

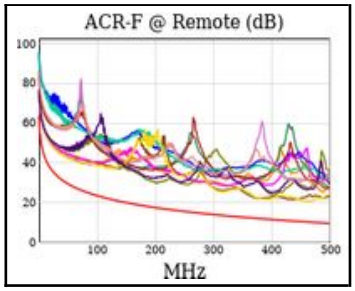


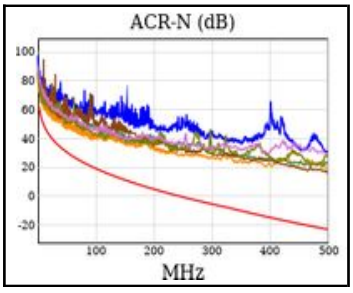


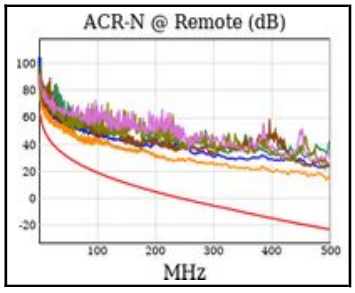


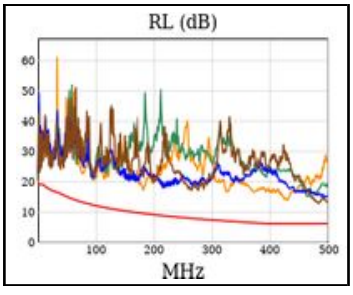


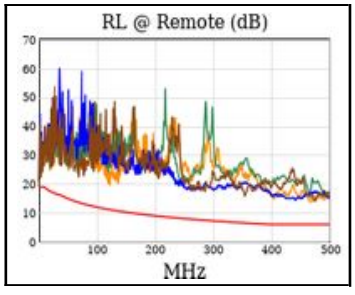












FLUKE networks

LinkWare Live

Cable ID: 111-A

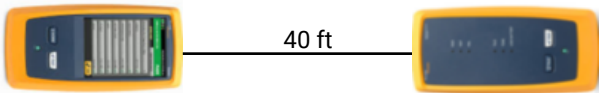
Test Summary: PASS

Date / Time: 12/22/2022 12:02:07 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

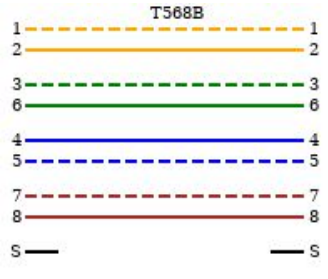
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

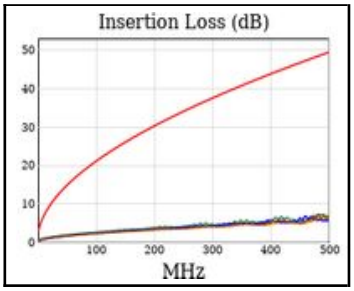
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	40
Prop. Delay (ns), Limit 555	[Pair 4,5]	61
Delay Skew (ns), Limit 50	[Pair 4,5]	2
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 7,8]	41.2
Frequency (MHz)	[Pair 7,8]	483.0
Limit (dB)	[Pair 7,8]	48.4

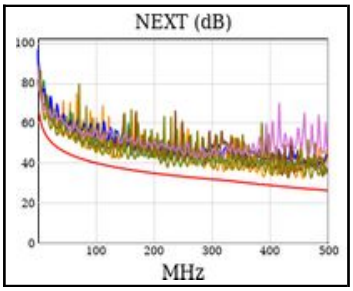


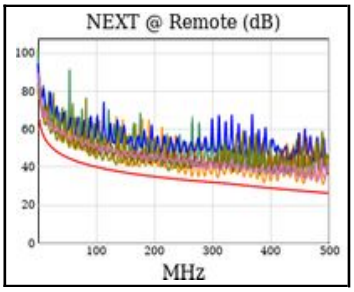
PASS



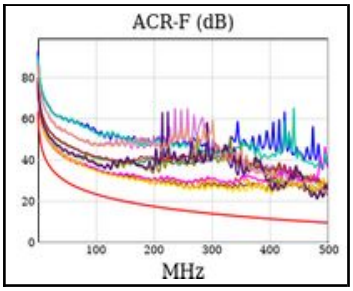


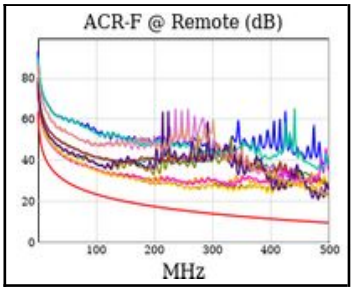
PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	3.8	2.2	5.1	4.3
Freq. (MHz)	224.0	266.0	458.0	491.0
Limit (dB)	33.9	32.6	27.1	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	3.6	5.7	5.6
Freq. (MHz)	391.0	266.0	460.0	458.0
Limit (dB)	26.1	29.7	24.2	24.2



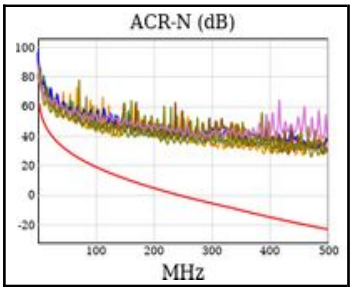


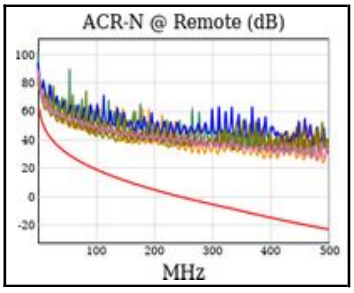
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-7,8
ACR-F (dB)	10.7	10.7	11.3	11.0
Freq. (MHz)	263.0	263.0	482.0	483.0
Limit (dB)	14.9	14.9	9.6	9.6
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-F (dB)	10.3	10.3	13.0	12.3
Freq. (MHz)	114.5	117.5	482.0	483.0
Limit (dB)	19.1	18.9	6.6	6.6



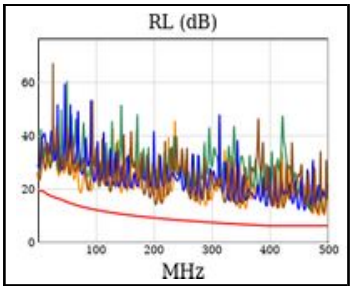


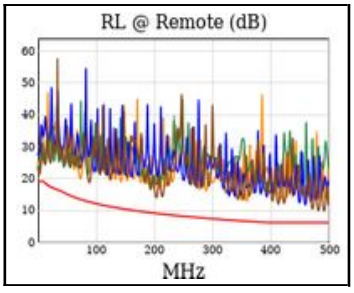
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	1,2-3,6
ACR-N (dB)	12.5	13.6	46.6	46.0
Freq. (MHz)	11.6	12.6	472.0	491.0
Limit (dB)	48.5	47.7	-21.0	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.9	13.7	49.0	48.4
Freq. (MHz)	3.1	3.5	492.0	491.0
Limit (dB)	58.3	57.6	-25.5	-25.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	3.8	3.6	3.8	3.6
Freq. (MHz)	485.0	493.0	485.0	493.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-1-A

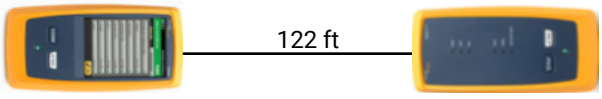
Test Summary: PASS

Date / Time: 01/14/2023 12:45:12 PM
Headroom: 6.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

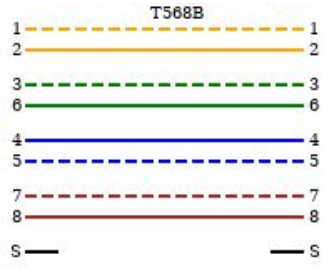
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	122
Prop. Delay (ns), Limit 555	[Pair 4,5]	193
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	5.6
Insertion Loss Margin (dB)	[Pair 4,5]	32.4
Frequency (MHz)	[Pair 4,5]	494.0
Limit (dB)	[Pair 4,5]	49.0

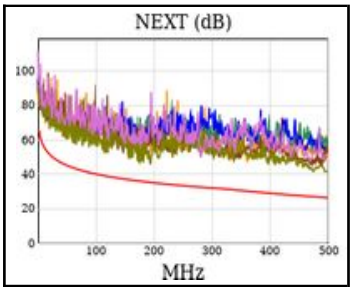


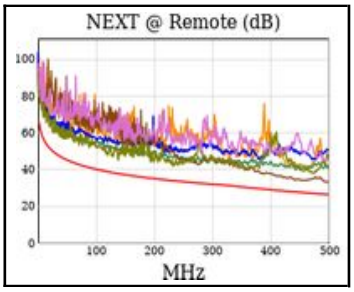
PASS



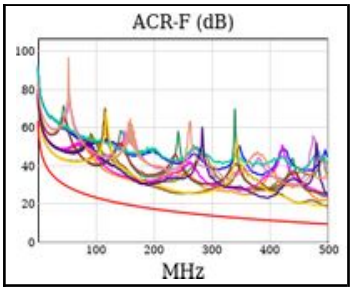


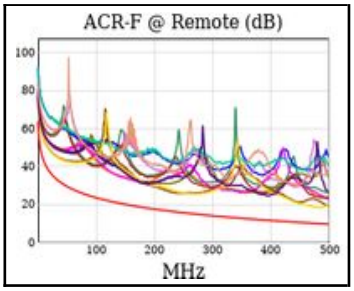
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	10.2	6.5	14.2	6.6
Freq. (MHz)	176.0	455.0	475.0	498.0
Limit (dB)	35.7	27.2	26.7	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	12.8	7.7	15.9	8.5
Freq. (MHz)	176.0	457.0	496.0	498.0
Limit (dB)	32.8	24.3	23.3	23.3



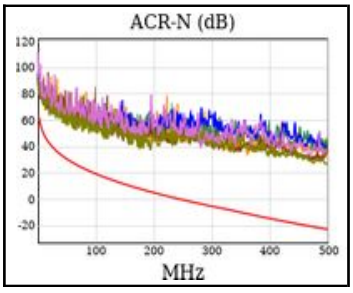


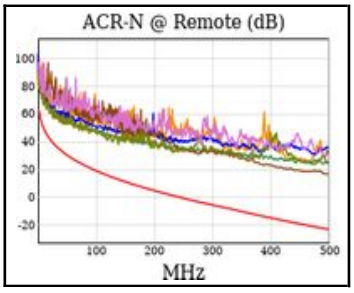
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	8.3	9.3	8.3
Freq. (MHz)	488.0	488.0	500.0	488.0
Limit (dB)	9.5	9.5	9.3	9.5
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.3	10.2	10.4	10.2
Freq. (MHz)	491.0	488.0	496.0	488.0
Limit (dB)	6.4	6.5	6.3	6.5



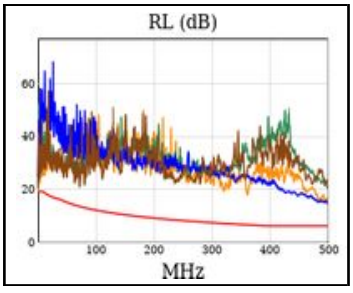


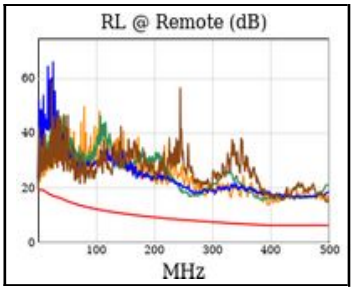
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	17.3	16.1	49.2	39.3
Freq. (MHz)	2.8	10.1	496.0	498.0
Limit (dB)	61.5	50.0	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	18.1	16.9	49.0	41.2
Freq. (MHz)	3.3	2.6	496.0	498.0
Limit (dB)	58.2	58.6	-25.8	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	7.4	7.3	8.3	7.3
Freq. (MHz)	73.0	398.0	497.0	398.0
Limit (dB)	13.4	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-1-B

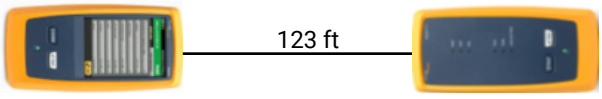
Test Summary: PASS

Date / Time: 01/14/2023 12:46:42 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

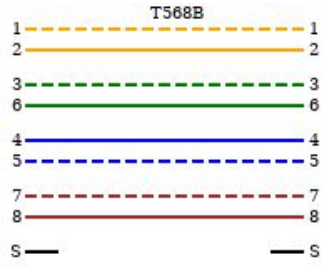
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

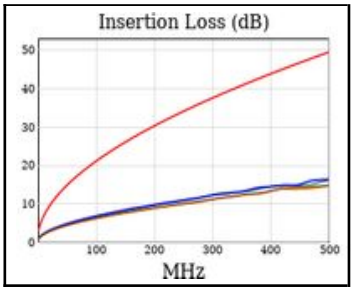
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

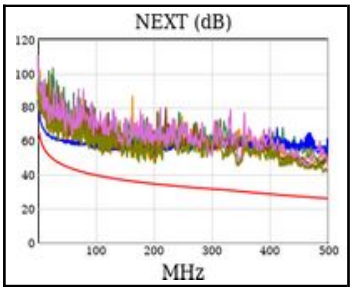
Length (ft), Limit 328	[Pair 1,2]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	5.7
Insertion Loss Margin (dB)	[Pair 4,5]	33.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

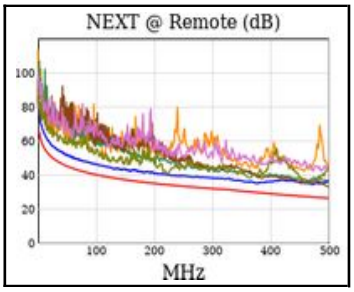


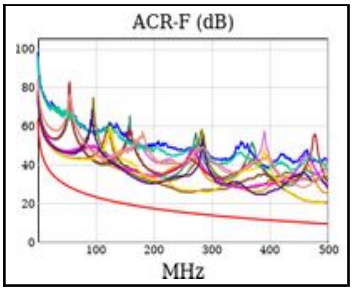
PASS

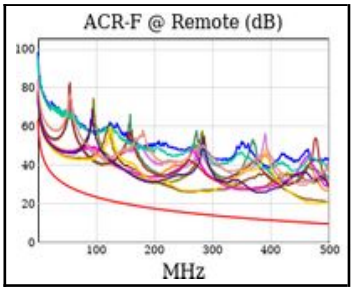


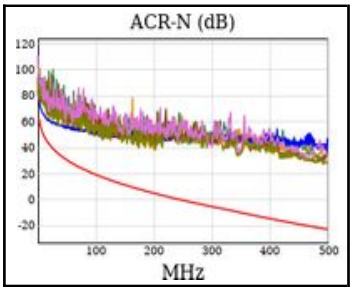


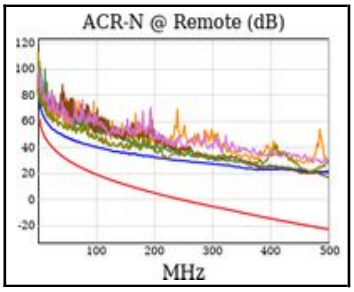


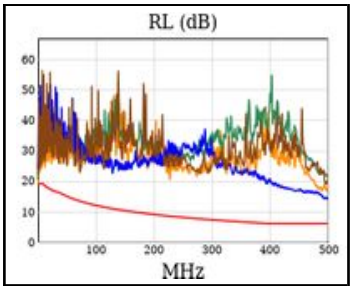


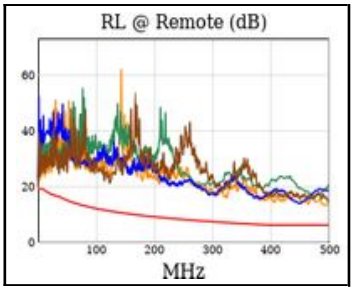












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	10.4	5.2	15.1	6.7
Freq. (MHz)	16.8	132.0	493.0	500.0
Limit (dB)	52.9	37.9	26.3	26.1
Worst Pair	7,8	7,8	3,6	4,5
PS NEXT (dB)	11.4	5.7	15.6	7.8
Freq. (MHz)	16.8	224.5	493.0	500.0
Limit (dB)	50.3	31.0	23.4	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	9.8	10.8	10.0
Freq. (MHz)	253.0	479.0	500.0	485.0
Limit (dB)	15.2	9.7	9.3	9.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.4	12.6	12.8
Freq. (MHz)	6.4	6.4	500.0	485.0
Limit (dB)	44.2	44.2	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	13.8	12.5	49.6	39.7
Freq. (MHz)	5.5	5.6	493.0	500.0
Limit (dB)	56.0	55.8	-22.7	-23.2
Worst Pair	7,8	7,8	3,6	4,5
PS ACR-N (dB)	14.5	13.9	48.7	40.8
Freq. (MHz)	3.3	4.9	493.0	500.0
Limit (dB)	58.2	54.6	-25.5	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	7.9	7.0	7.9	7.0
Freq. (MHz)	500.0	494.0	500.0	494.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-2-A

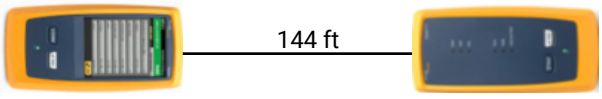
Test Summary: PASS

Date / Time: 01/14/2023 12:59:35 PM
Headroom: 6.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

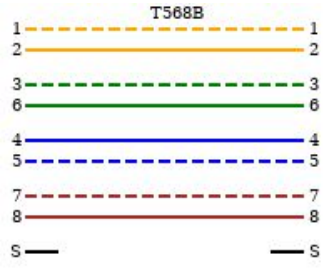
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

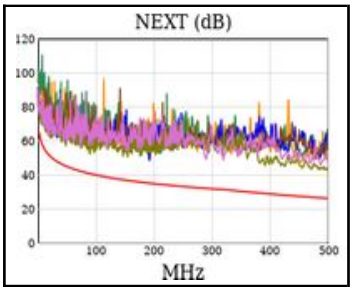
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	18.9
Insertion Loss Margin (dB)	[Pair 4,5]	30.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

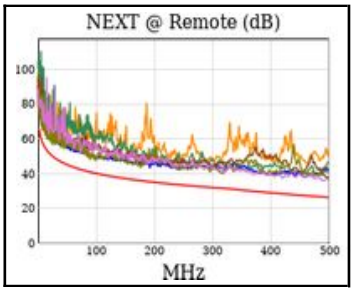


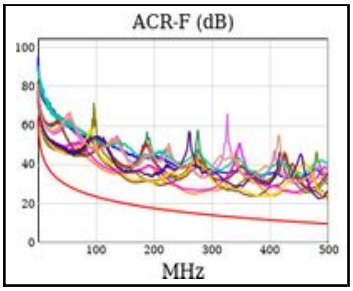
PASS

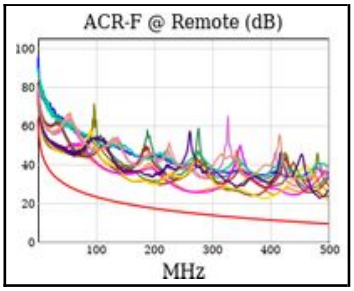


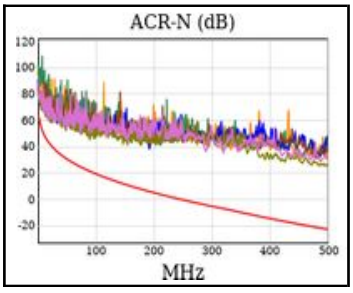


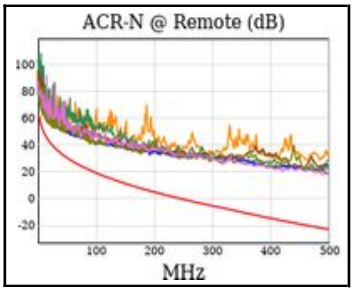


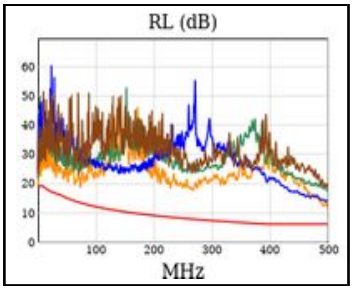


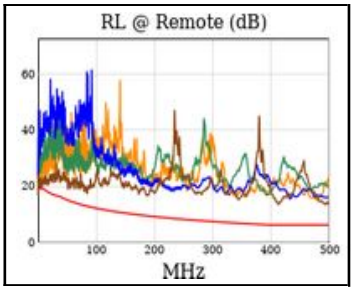












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	4,5-7,8
NEXT (dB)	10.3	6.7	16.4	9.4
Freq. (MHz)	6.8	25.9	497.0	491.0
Limit (dB)	59.4	49.8	26.2	26.3
Worst Pair	3,6	7,8	7,8	4,5
PS NEXT (dB)	10.2	7.4	17.1	9.7
Freq. (MHz)	4.4	178.0	488.0	498.0
Limit (dB)	59.9	32.7	23.5	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.2	12.2	11.8
Freq. (MHz)	4.9	4.9	500.0	500.0
Limit (dB)	49.5	49.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	10.3	12.5	14.3
Freq. (MHz)	5.3	7.3	500.0	500.0
Limit (dB)	45.9	43.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	4,5-7,8
ACR-N (dB)	12.5	10.2	47.7	40.2
Freq. (MHz)	3.1	6.4	497.0	491.0
Limit (dB)	61.1	54.6	-23.0	-22.5
Worst Pair	7,8	3,6	7,8	4,5
PS ACR-N (dB)	12.7	11.3	47.8	40.3
Freq. (MHz)	3.1	4.1	488.0	500.0
Limit (dB)	58.3	56.1	-25.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.3	1.9	5.4	7.1
Freq. (MHz)	74.3	12.9	500.0	495.0
Limit (dB)	13.3	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-2-B

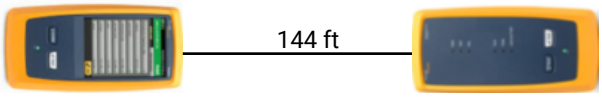
Test Summary: PASS

Date / Time: 01/14/2023 01:00:07 PM
Headroom: 8.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

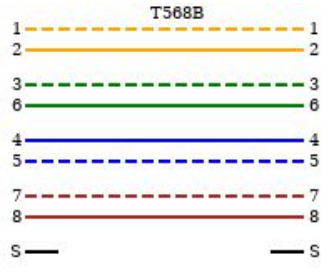
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

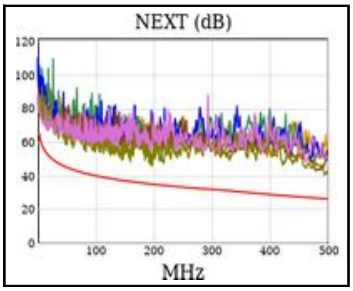
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	229
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	17.2
Insertion Loss Margin (dB)	[Pair 4,5]	30.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

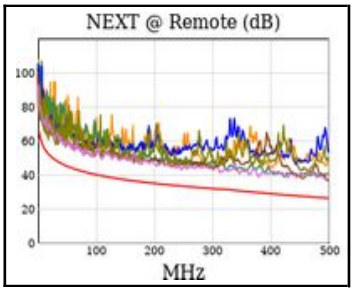


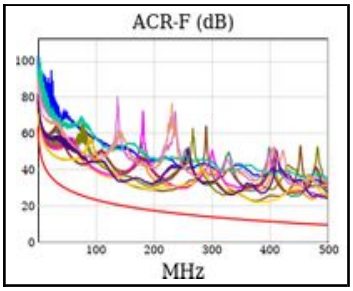
PASS

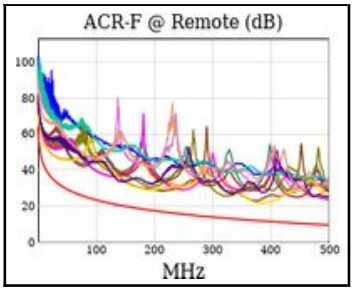


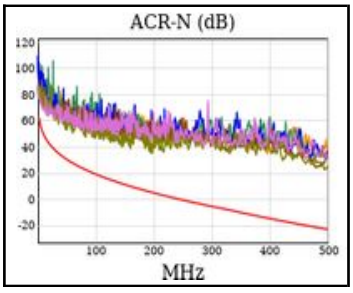


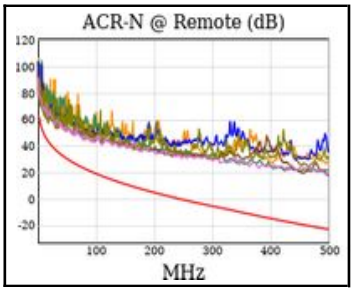


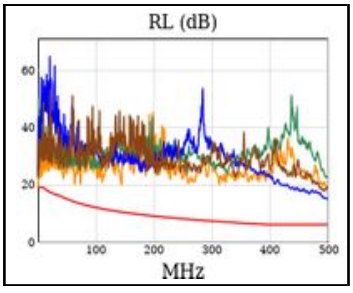


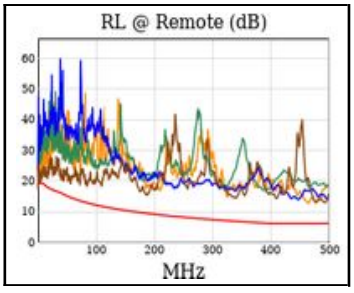












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	10.5	8.5	13.6	9.9
Freq. (MHz)	195.5	18.6	495.0	500.0
Limit (dB)	35.0	52.1	26.2	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	12.3	9.4	15.5	9.4
Freq. (MHz)	148.0	500.0	495.0	500.0
Limit (dB)	34.1	23.2	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.9	10.2	10.0
Freq. (MHz)	378.0	384.0	382.0	389.0
Limit (dB)	11.7	11.6	11.6	11.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.5	11.6	11.5	11.9
Freq. (MHz)	386.0	7.3	386.0	378.0
Limit (dB)	8.5	43.1	8.5	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	14.6	12.1	44.5	40.4
Freq. (MHz)	2.3	4.0	495.0	500.0
Limit (dB)	61.8	58.9	-22.8	-23.2
Worst Pair	7,8	3,6	3,6	4,5
PS ACR-N (dB)	15.5	12.8	45.9	39.9
Freq. (MHz)	3.4	4.3	495.0	500.0
Limit (dB)	57.9	55.8	-25.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	1,2
RL (dB)	6.1	2.8	9.0	6.5
Freq. (MHz)	64.5	17.3	499.0	479.0
Limit (dB)	13.9	17.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-3-A

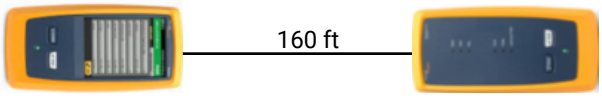
Test Summary: PASS

Date / Time: 01/14/2023 01:42:09 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

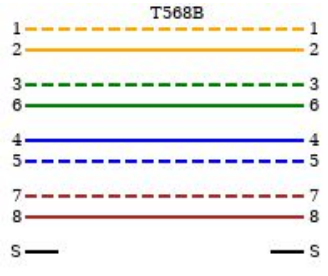
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

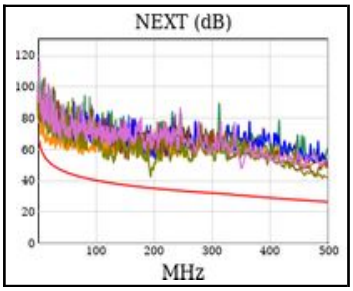
Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	254
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

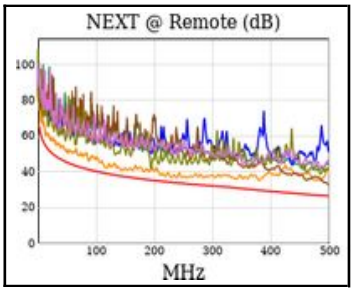


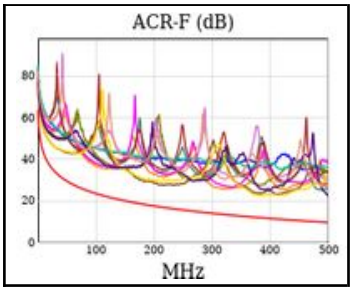
PASS

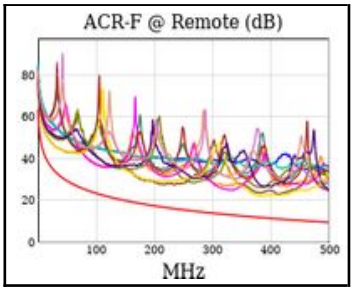


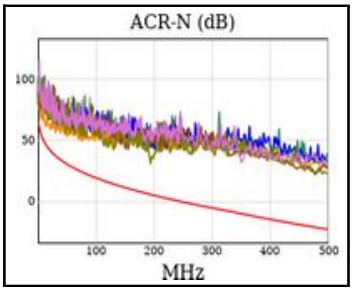


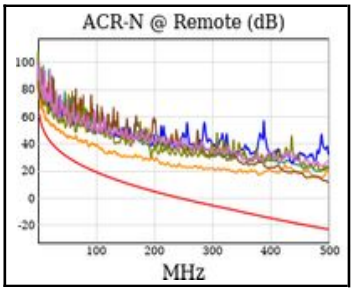


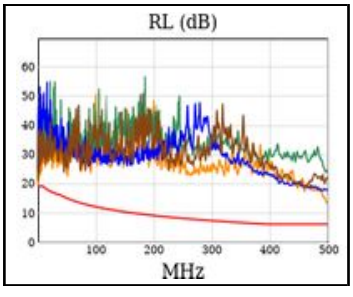


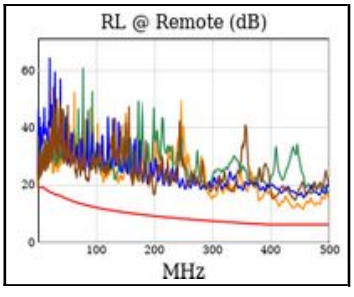












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	7.0	2.7	15.0	6.5
Freq. (MHz)	195.0	230.5	492.0	500.0
Limit (dB)	35.0	33.7	26.3	26.1
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	9.8	5.2	15.5	7.9
Freq. (MHz)	195.0	230.0	479.0	494.0
Limit (dB)	32.0	30.8	23.7	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.4	10.4	12.7	10.4
Freq. (MHz)	209.0	385.0	500.0	385.0
Limit (dB)	16.9	11.5	9.3	11.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.3	11.4	11.9	13.0
Freq. (MHz)	6.8	8.6	425.0	425.0
Limit (dB)	43.7	41.5	7.7	7.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.6	9.1	43.2	34.5
Freq. (MHz)	5.8	5.6	478.0	500.0
Limit (dB)	55.6	55.8	-21.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.5	10.9	44.8	36.2
Freq. (MHz)	5.6	5.6	499.0	500.0
Limit (dB)	53.2	53.2	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.3	5.3	7.3	5.3
Freq. (MHz)	499.0	457.0	499.0	457.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-3-B

Test Summary: PASS

Date / Time: 01/14/2023 01:42:47 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	254
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	12.0
Insertion Loss Margin (dB)	[Pair 4,5]	27.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	13.1	5.9	19.6	5.9
Freq. (MHz)	3.9	500.0	500.0	500.0
Limit (dB)	63.3	26.1	26.1	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	13.6	8.0	19.6	8.0
Freq. (MHz)	5.8	500.0	500.0	500.0
Limit (dB)	58.0	23.2	23.2	23.2

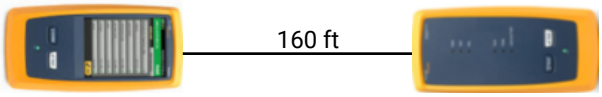
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.6	9.3	11.3	9.3
Freq. (MHz)	373.0	372.0	495.0	372.0
Limit (dB)	11.8	11.8	9.4	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	11.5	10.6	13.4
Freq. (MHz)	392.0	180.0	401.0	496.0
Limit (dB)	8.4	15.2	8.2	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	15.6	12.8	48.2	33.7
Freq. (MHz)	3.9	3.6	498.0	500.0
Limit (dB)	59.2	59.8	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	16.4	13.0	47.9	35.8
Freq. (MHz)	3.9	3.6	500.0	500.0
Limit (dB)	56.7	57.3	-26.1	-26.1

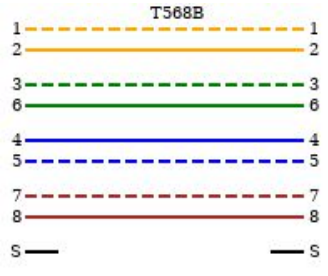
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.5	6.3	8.5	6.3
Freq. (MHz)	18.0	493.0	500.0	493.0
Limit (dB)	17.7	6.0	6.0	6.0

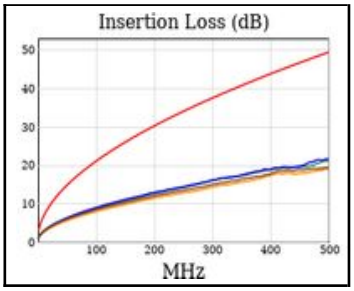
Compliant Network Standards:

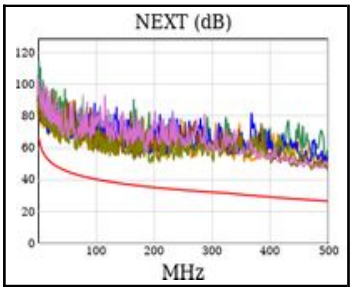
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

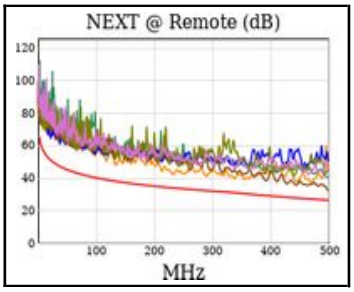


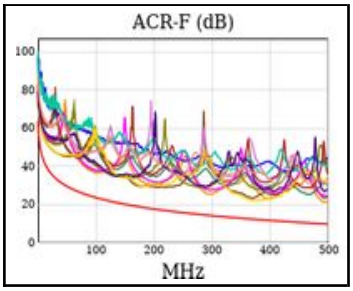
PASS

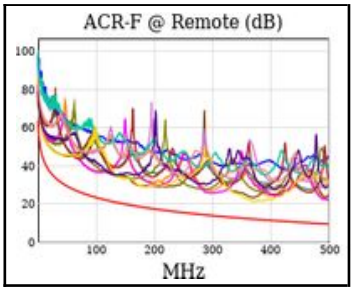


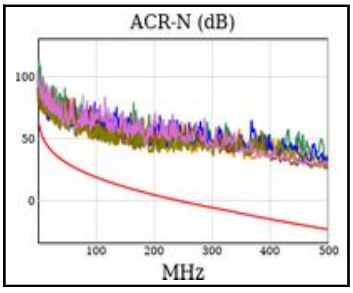


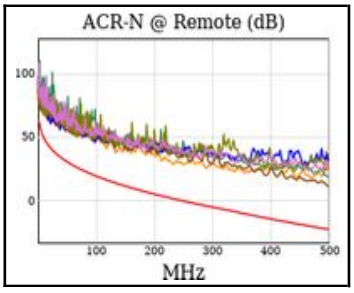


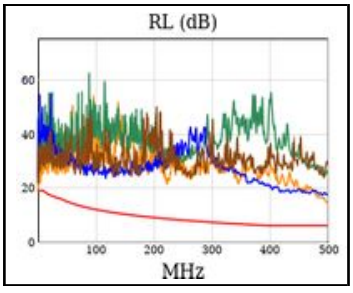


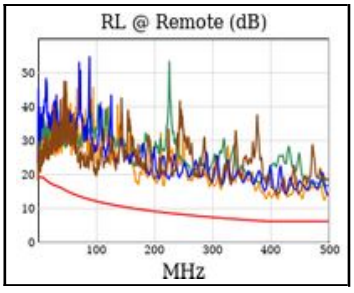












FLUKE networks

LinkWare Live

Cable ID: 111-4-A

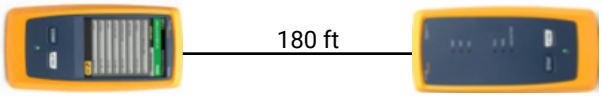
Test Summary: PASS

Date / Time: 01/14/2023 02:01:29 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

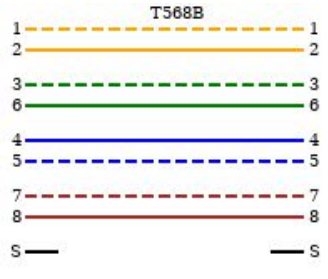
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	180
Prop. Delay (ns), Limit 555	[Pair 4,5]	285
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	16.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

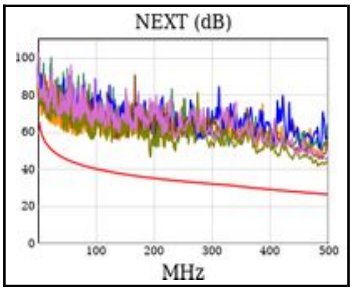


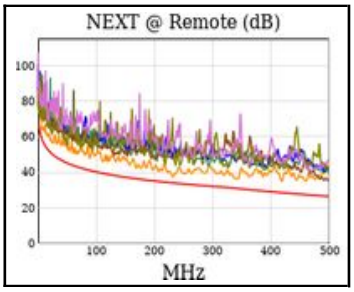
PASS



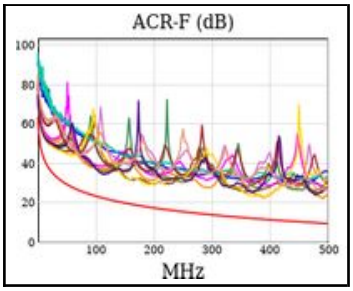


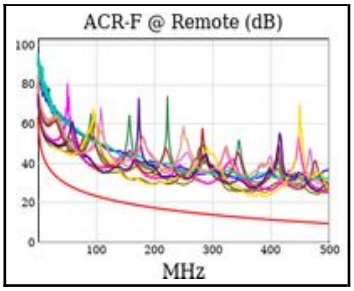
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	9.4	3.4	14.6	6.3
Freq. (MHz)	6.6	232.5	484.0	420.0
Limit (dB)	59.5	33.7	26.5	28.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	10.2	5.8	15.3	9.7
Freq. (MHz)	6.6	7.0	484.0	500.0
Limit (dB)	56.9	56.6	23.6	23.2



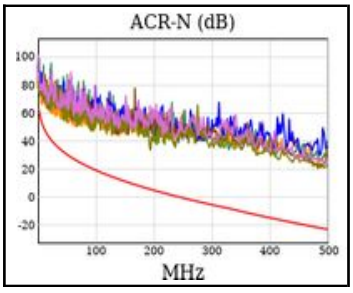


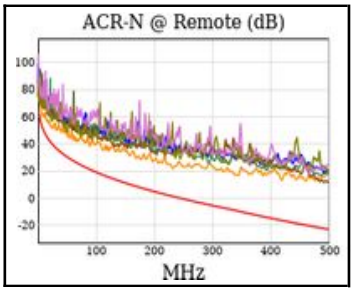
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	1,2-3,6	3,6-4,5
ACR-F (dB)	10.2	10.1	12.6	11.4
Freq. (MHz)	2.0	2.1	493.0	392.0
Limit (dB)	57.2	56.7	9.4	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.1	10.9	14.0
Freq. (MHz)	5.9	2.0	393.0	484.0
Limit (dB)	44.9	54.2	8.4	6.6



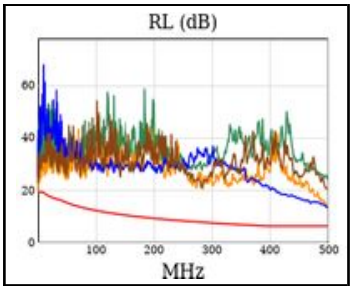


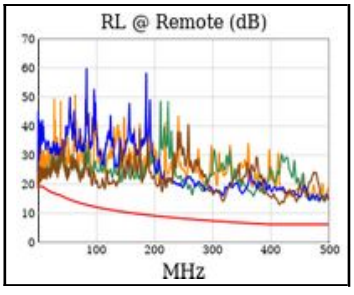
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	12.0	7.6	41.9	34.1
Freq. (MHz)	6.6	7.0	484.0	500.0
Limit (dB)	54.2	53.7	-22.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	8.5	40.6	35.0
Freq. (MHz)	3.5	7.0	484.0	500.0
Limit (dB)	57.6	51.1	-24.8	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	6.6	2.9	7.0	6.8
Freq. (MHz)	12.3	10.1	500.0	415.0
Limit (dB)	18.6	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-4-B

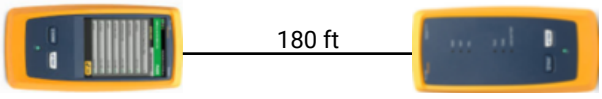
Test Summary: PASS

Date / Time: 01/14/2023 02:06:14 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS A103

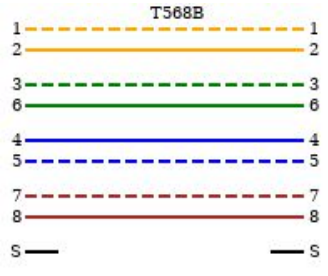
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	180
Prop. Delay (ns), Limit 555	[Pair 4,5]	285
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	9.2
Insertion Loss Margin (dB)	[Pair 4,5]	24.7
Frequency (MHz)	[Pair 4,5]	488.0
Limit (dB)	[Pair 4,5]	48.7



PASS



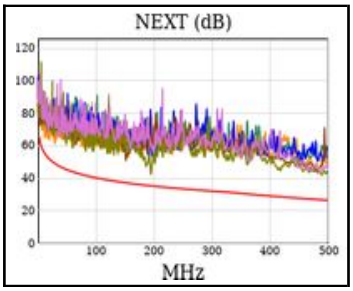
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-4,5
NEXT (dB)	7.1	5.7	15.2	7.3
Freq. (MHz)	196.0	233.5	490.0	490.0
Limit (dB)	34.9	33.6	26.3	26.3
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	9.2	6.5	15.7	7.6
Freq. (MHz)	5.0	383.0	479.0	491.0
Limit (dB)	59.0	26.3	23.7	23.4

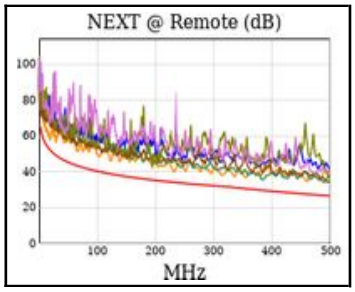
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.8	10.7	10.8	10.9
Freq. (MHz)	486.0	471.0	486.0	486.0
Limit (dB)	9.5	9.8	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.1	10.9	13.0
Freq. (MHz)	493.0	7.5	493.0	481.0
Limit (dB)	6.4	42.8	6.4	6.6

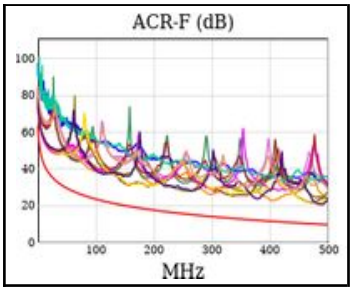
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-4,5
ACR-N (dB)	12.0	10.8	42.2	32.1
Freq. (MHz)	5.0	20.5	481.0	490.0
Limit (dB)	56.9	42.2	-21.7	-22.4
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.8	10.8	41.9	32.6
Freq. (MHz)	5.0	5.0	487.0	491.0
Limit (dB)	54.3	54.3	-25.1	-25.4

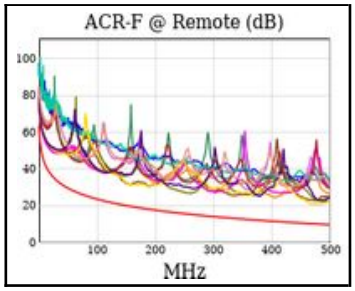
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	4,5	4,5
RL (dB)	7.5	6.1	9.0	6.1
Freq. (MHz)	12.5	324.0	498.0	324.0
Limit (dB)	18.5	6.9	6.0	6.9

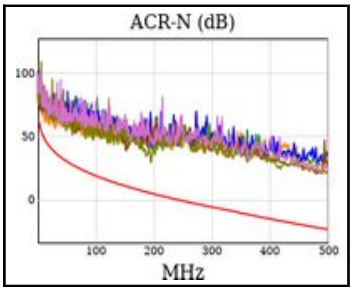


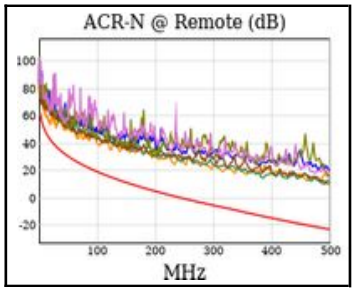


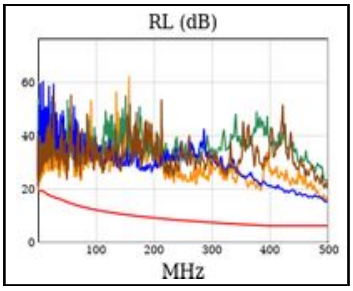


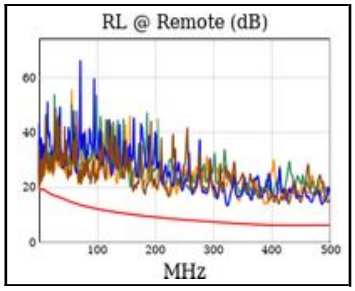












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-B

Test Summary: PASS

Date / Time: 11/22/2022 12:12:37 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	115
Prop. Delay (ns), Limit 555	[Pair 4,5]	180
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 7,8]	18.1
Insertion Loss Margin (dB)	[Pair 3,6]	32.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	2.2	3.0	6.2	4.2
Freq. (MHz)	173.0	207.0	500.0	307.0
Limit (dB)	35.9	34.5	26.1	31.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	3.0	8.3	4.1
Freq. (MHz)	173.0	157.5	500.0	300.0
Limit (dB)	32.9	33.7	23.2	28.8

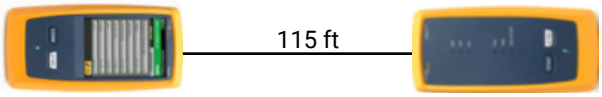
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.4	11.3	11.5
Freq. (MHz)	3.1	3.1	472.0	472.0
Limit (dB)	53.4	53.4	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.0	12.1	11.2
Freq. (MHz)	9.8	3.1	463.0	471.0
Limit (dB)	40.5	50.4	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.0	8.7	40.2	43.2
Freq. (MHz)	3.0	2.8	500.0	496.0
Limit (dB)	61.4	61.5	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	8.7	41.0	44.7
Freq. (MHz)	3.6	5.4	500.0	496.0
Limit (dB)	57.3	53.7	-26.1	-25.8

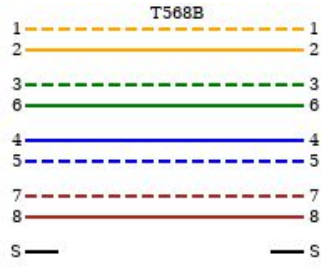
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.5	3.3	7.9	6.3
Freq. (MHz)	23.4	19.1	498.0	418.0
Limit (dB)	17.2	17.6	6.0	6.0

Compliant Network Standards:

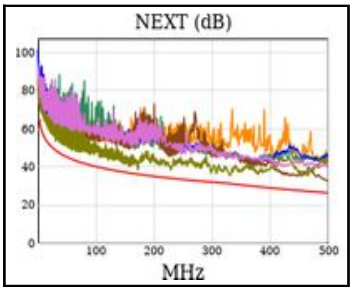
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

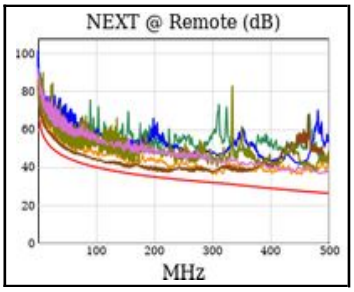


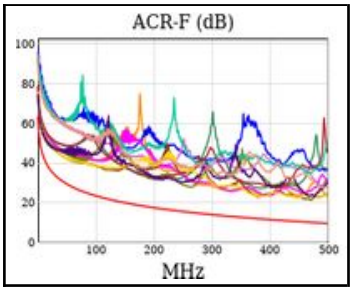
PASS

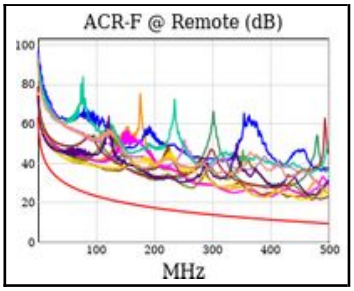


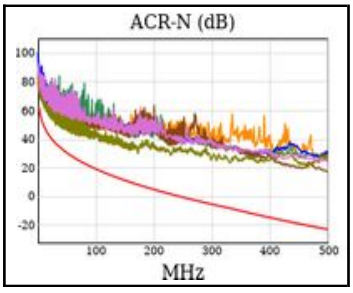


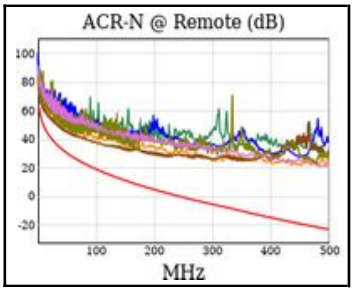


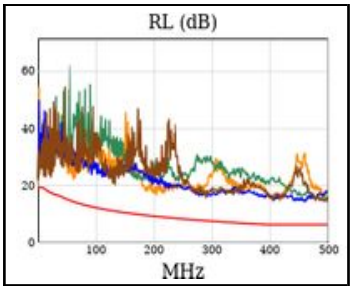


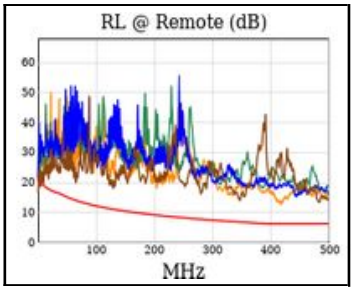












FLUKE networks

LinkWare Live

Cable ID: 110-B

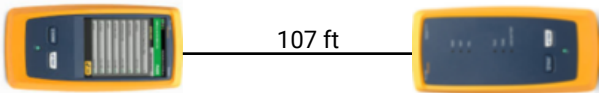
Test Summary: PASS

Date / Time: 11/25/2022 05:11:35 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

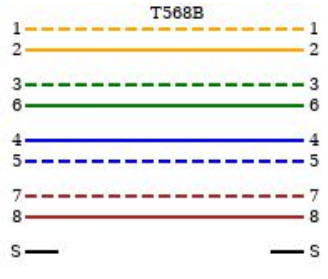
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

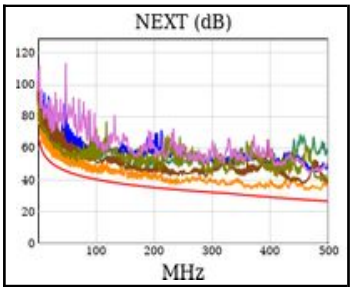
Length (ft), Limit 328	[Pair 7,8]	107
Prop. Delay (ns), Limit 555	[Pair 4,5]	166
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	33.3
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

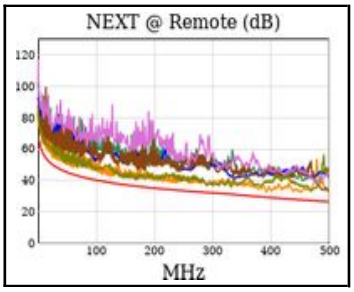


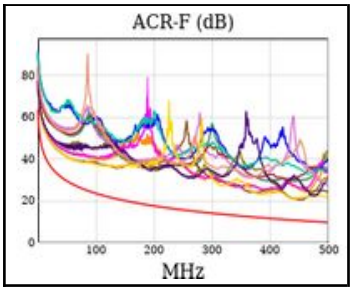
PASS

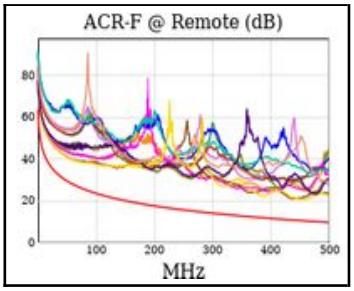


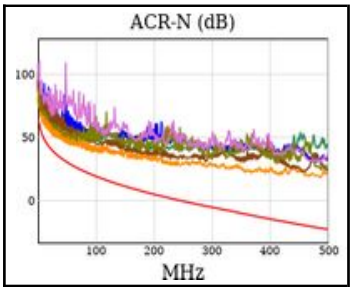


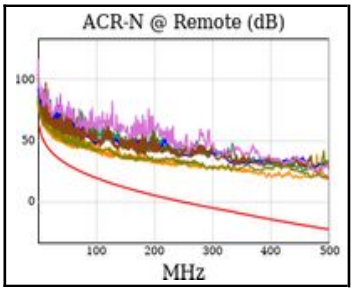


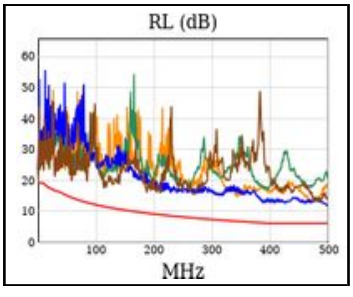


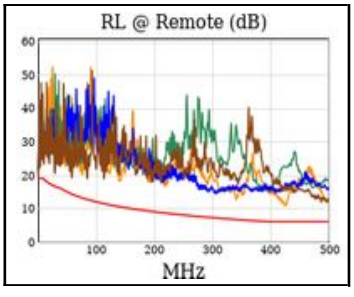












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	3.4	3.4	5.7	4.9
Freq. (MHz)	235.0	393.0	461.0	454.0
Limit (dB)	33.6	28.9	27.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.8	8.1	6.6
Freq. (MHz)	56.5	334.0	489.0	499.0
Limit (dB)	41.3	27.9	23.5	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	10.1	9.9	10.1
Freq. (MHz)	455.0	455.0	455.0	455.0
Limit (dB)	10.1	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.2	11.9
Freq. (MHz)	11.0	10.9	470.0	467.0
Limit (dB)	39.4	39.5	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	9.6	9.9	40.1	40.4
Freq. (MHz)	8.5	8.3	489.0	495.0
Limit (dB)	51.8	52.1	-22.3	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	10.1	41.4	40.7
Freq. (MHz)	8.6	8.5	489.0	499.0
Limit (dB)	49.0	49.2	-25.2	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	4.6	3.9	5.6	4.8
Freq. (MHz)	30.1	30.0	500.0	428.0
Limit (dB)	16.6	16.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 110-B

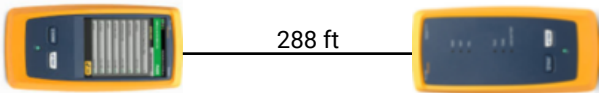
Test Summary: PASS

Date / Time: 11/27/2022 06:01:37 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

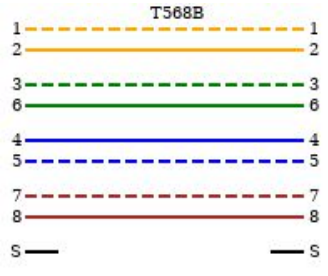
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

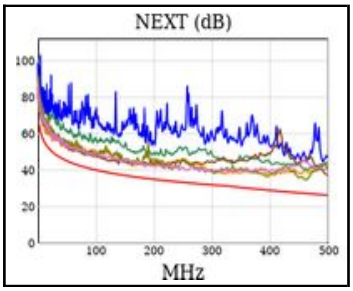
Length (ft), Limit 328	[Pair 1,2]	288
Prop. Delay (ns), Limit 555	[Pair 4,5]	456
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	10.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

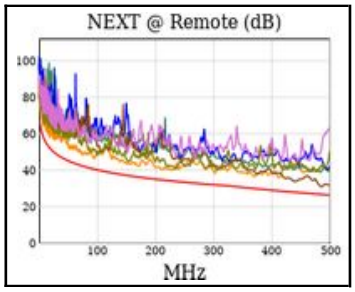


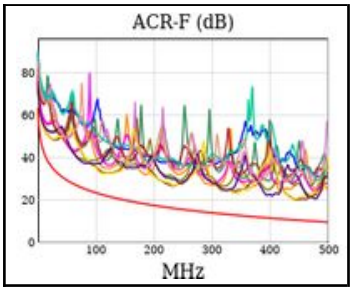
PASS

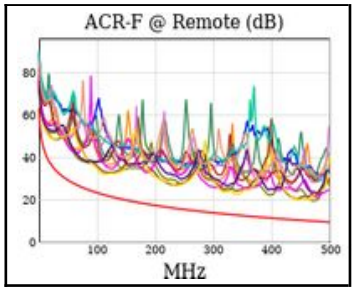


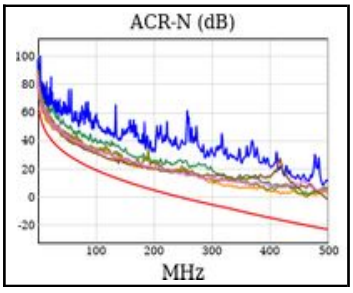


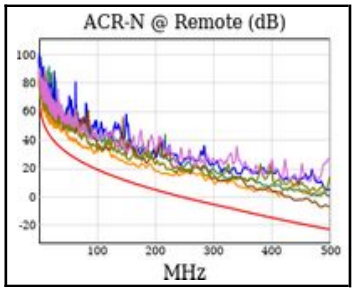


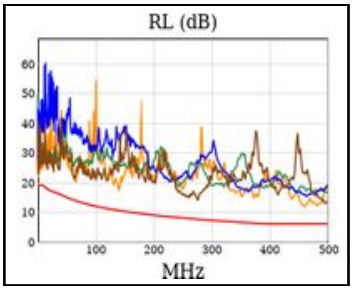


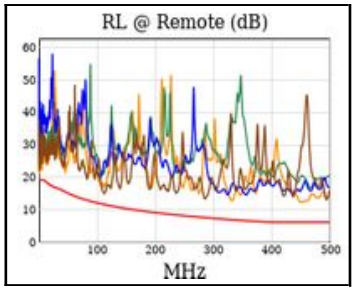












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	4.3	7.5	4.3
Freq. (MHz)	140.0	487.0	463.0	487.0
Limit (dB)	37.4	26.4	27.0	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.1	8.9	6.5
Freq. (MHz)	163.0	234.0	465.0	487.0
Limit (dB)	33.4	30.7	24.1	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	3,6-4,5	7,8-3,6
ACR-F (dB)	9.6	9.6	9.7	9.7
Freq. (MHz)	447.0	472.0	449.0	476.0
Limit (dB)	10.3	9.8	10.2	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	9.2	11.2	9.2
Freq. (MHz)	1.4	476.0	481.0	476.0
Limit (dB)	57.5	6.7	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.6	7.1	21.8	14.7
Freq. (MHz)	14.0	5.8	500.0	487.0
Limit (dB)	46.5	55.6	-23.2	-22.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	7.9	21.7	16.2
Freq. (MHz)	9.4	9.4	500.0	487.0
Limit (dB)	48.2	48.2	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	3.1	5.9	6.2
Freq. (MHz)	6.4	6.3	461.0	454.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-A

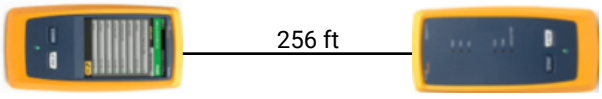
Test Summary: PASS

Date / Time: 11/27/2022 06:05:37 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

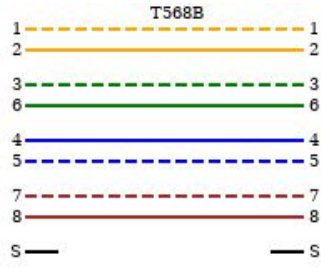
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

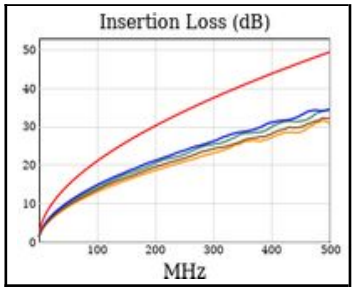
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	256
Prop. Delay (ns), Limit 555	[Pair 4,5]	407
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	11.8
Insertion Loss Margin (dB)	[Pair 4,5]	14.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

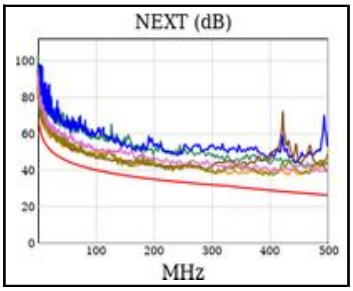


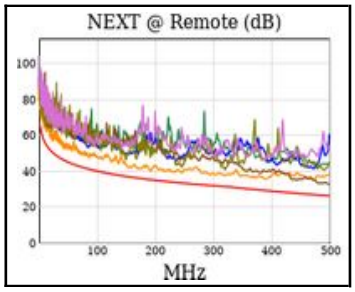
PASS



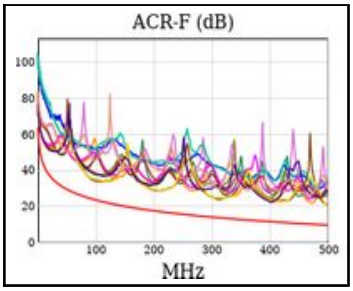


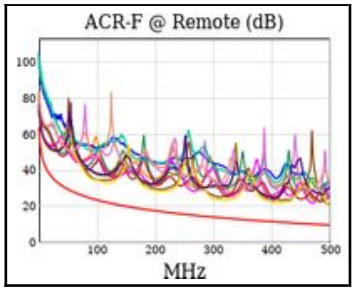
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.0	4.8	8.0	6.4
Freq. (MHz)	145.5	193.5	399.0	500.0
Limit (dB)	37.2	35.0	28.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.5	6.5	8.3	7.8
Freq. (MHz)	163.0	246.5	399.0	499.0
Limit (dB)	33.4	30.3	25.8	23.3



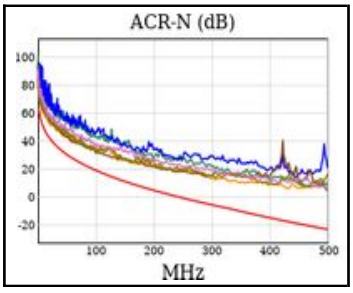


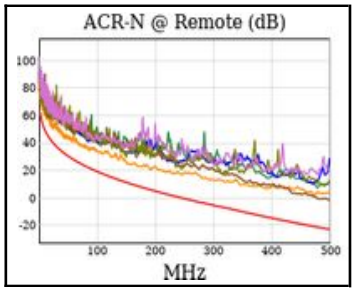
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.8	10.8	10.5
Freq. (MHz)	312.0	322.0	500.0	500.0
Limit (dB)	13.4	13.1	9.3	9.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	9.4	10.4	9.5	12.1
Freq. (MHz)	403.0	323.0	405.0	500.0
Limit (dB)	8.2	10.1	8.1	6.3



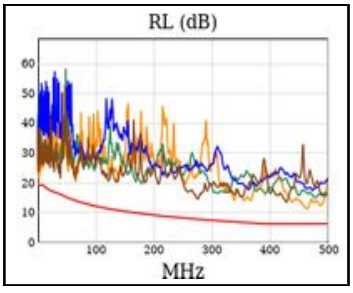


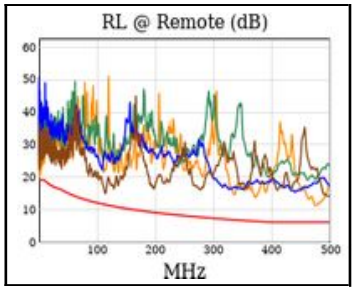
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.2	8.6	27.9	21.2
Freq. (MHz)	6.6	3.8	500.0	500.0
Limit (dB)	54.2	59.5	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.2	9.3	26.8	22.9
Freq. (MHz)	5.1	3.8	500.0	499.0
Limit (dB)	54.1	57.0	-26.1	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.0	3.4	5.0	5.1
Freq. (MHz)	464.0	115.5	464.0	477.0
Limit (dB)	6.0	11.4	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-A

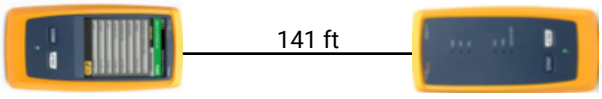
Test Summary: PASS

Date / Time: 12/17/2022 03:55:40 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

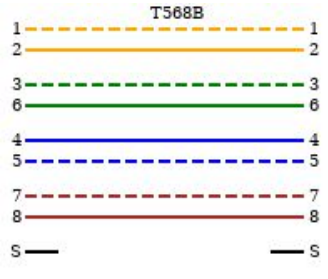
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

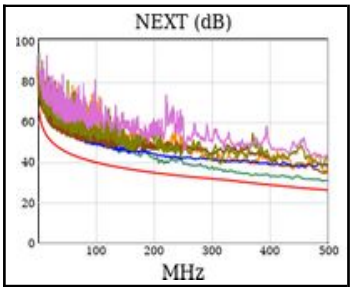
Length (ft), Limit 328	[Pair 7,8]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

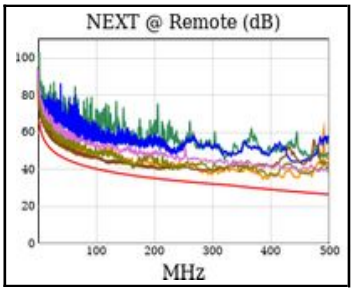


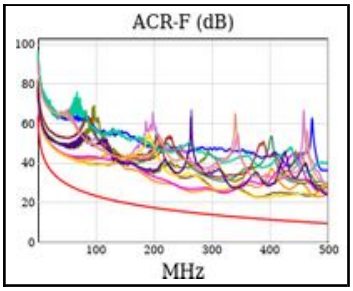
PASS

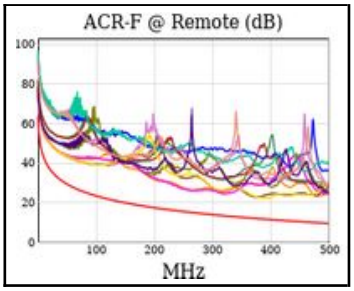


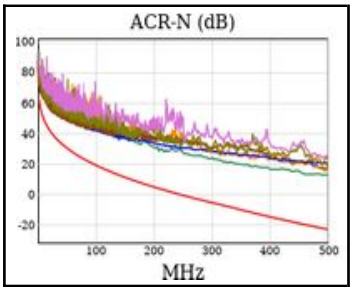


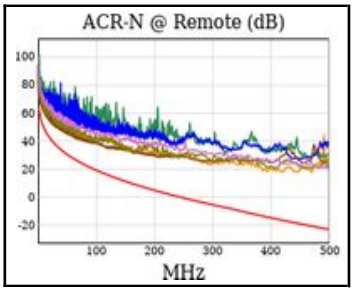


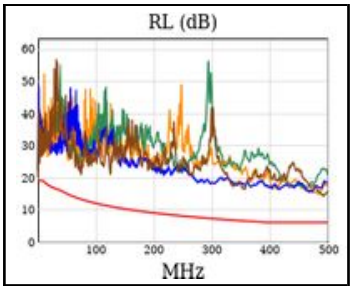


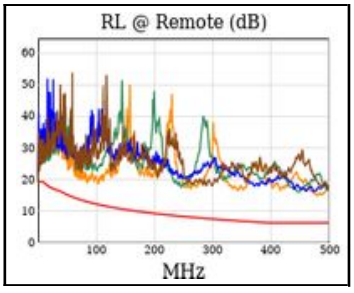












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-4,5	1,2-3,6
NEXT (dB)	3.5	3.8	4.1	4.9
Freq. (MHz)	370.0	165.0	492.0	387.0
Limit (dB)	29.7	36.2	26.3	29.1
Worst Pair	1,2	3,6	1,2	3,6
PS NEXT (dB)	4.9	3.4	5.3	5.7
Freq. (MHz)	370.0	165.0	496.0	397.0
Limit (dB)	26.7	33.3	23.3	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.6	10.9	10.7
Freq. (MHz)	263.0	392.0	399.0	399.0
Limit (dB)	14.9	11.4	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	12.6	13.8
Freq. (MHz)	1.4	12.9	483.0	483.0
Limit (dB)	57.5	38.1	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	8.8	8.1	34.8	37.8
Freq. (MHz)	4.6	4.5	492.0	471.0
Limit (dB)	57.6	57.8	-22.6	-20.9
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.8	8.5	36.0	38.6
Freq. (MHz)	4.6	4.5	496.0	471.0
Limit (dB)	55.1	55.3	-25.8	-23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.7	5.9	8.1	8.4
Freq. (MHz)	75.5	84.8	493.0	481.0
Limit (dB)	13.2	12.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-B

Test Summary: PASS

Date / Time: 12/17/2022 03:55:59 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	140
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	6.1	4.7	8.7	4.9
Freq. (MHz)	4.6	67.3	492.0	393.0
Limit (dB)	62.0	42.8	26.3	28.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.9	4.5	8.1	5.8
Freq. (MHz)	4.8	175.0	491.0	395.0
Limit (dB)	59.3	32.9	23.4	25.9

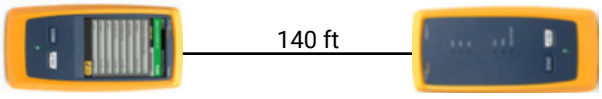
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	11.4	11.6	12.8	11.6
Freq. (MHz)	399.0	399.0	491.0	399.0
Limit (dB)	11.2	11.2	9.4	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.6	13.2	12.8
Freq. (MHz)	13.1	13.0	499.0	399.0
Limit (dB)	37.9	38.0	6.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	8.9	8.7	39.4	39.2
Freq. (MHz)	4.6	4.6	492.0	494.0
Limit (dB)	57.6	57.6	-22.6	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.6	9.1	38.5	39.1
Freq. (MHz)	4.6	6.9	490.0	472.0
Limit (dB)	55.1	51.3	-25.3	-23.9

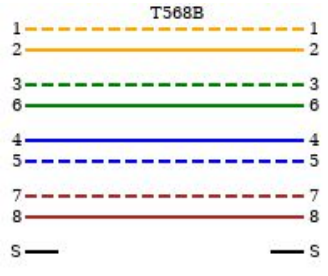
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.0	6.0	7.0	7.6
Freq. (MHz)	499.0	85.0	499.0	487.0
Limit (dB)	6.0	12.7	6.0	6.0

Compliant Network Standards:

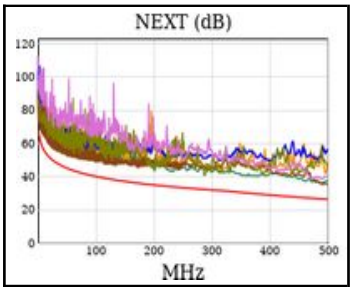
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

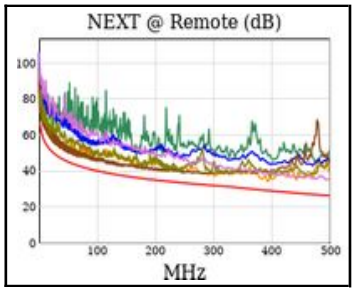


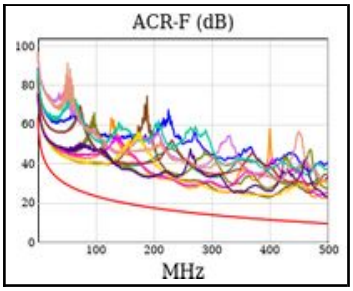
PASS

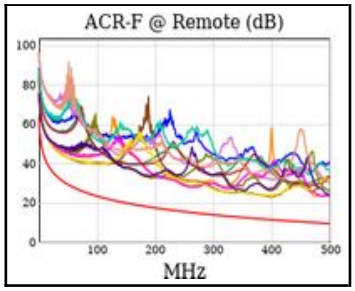


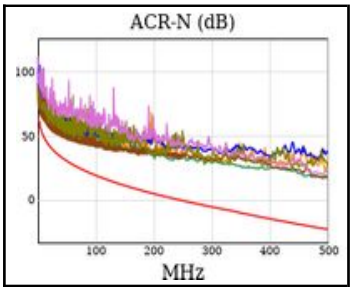


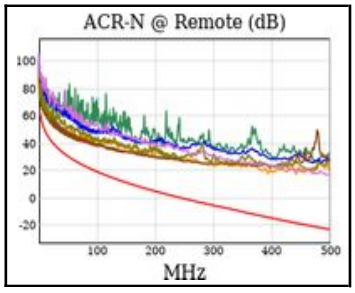


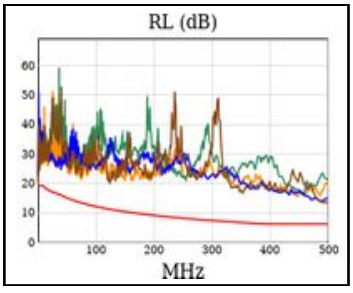


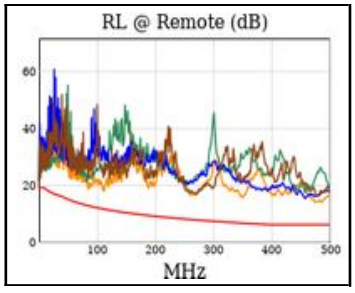












FLUKE networks

LinkWare Live

Cable ID: 111-B

Test Summary: PASS

Date / Time: 12/19/2022 01:52:32 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	290
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.8
Insertion Loss Margin (dB)	[Pair 3,6]	23.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.5	6.5	7.7	7.0
Freq. (MHz)	38.8	226.5	387.0	489.0
Limit (dB)	46.9	33.9	29.1	26.4
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.1	6.5	10.1	7.9
Freq. (MHz)	223.5	3.5	477.0	493.0
Limit (dB)	31.0	61.5	23.8	23.4

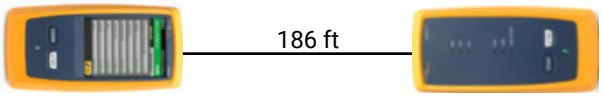
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	10.8	11.6	11.0
Freq. (MHz)	6.0	248.5	500.0	499.0
Limit (dB)	47.7	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.7	12.5	12.1
Freq. (MHz)	8.0	251.0	460.0	499.0
Limit (dB)	42.2	12.3	7.0	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	8.9	35.3	31.5
Freq. (MHz)	3.4	3.5	498.0	489.0
Limit (dB)	60.4	60.1	-23.1	-22.3
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	8.0	8.5	34.1	31.7
Freq. (MHz)	3.4	3.5	477.0	498.0
Limit (dB)	57.9	57.6	-24.3	-25.9

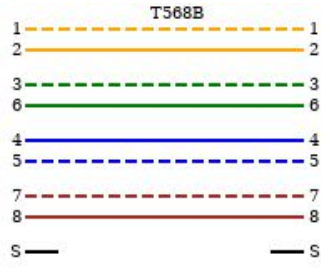
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	7.0	5.0	7.7	6.1
Freq. (MHz)	58.3	10.0	493.0	493.0
Limit (dB)	14.3	19.0	6.0	6.0

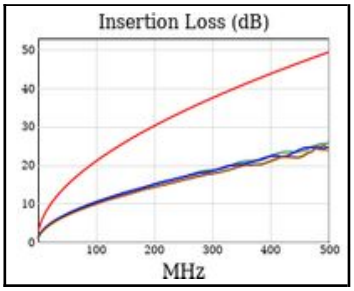
Compliant Network Standards:

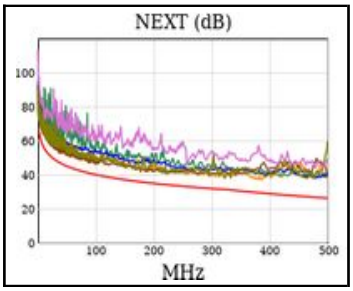
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

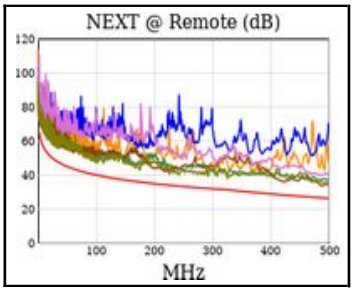


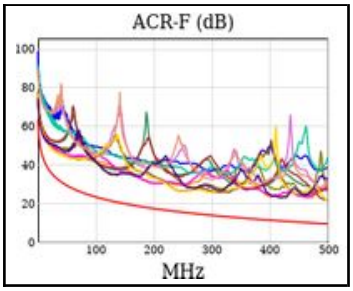
PASS

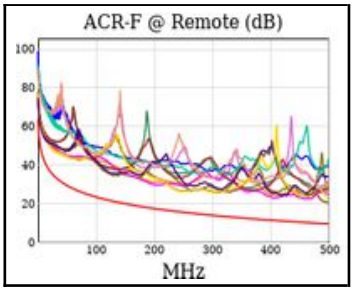


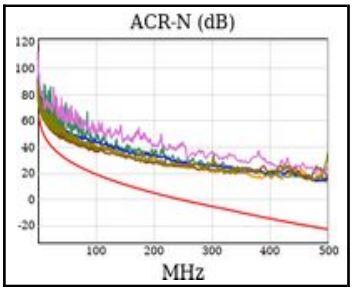


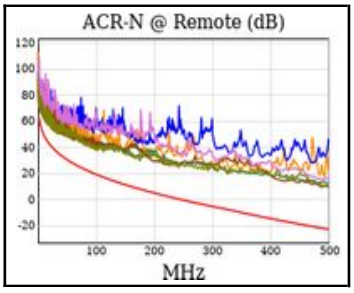


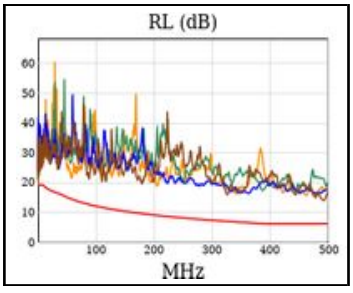


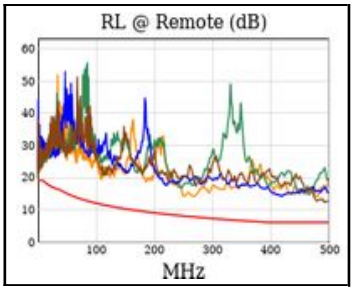












FLUKE networks

LinkWare Live

Cable ID: 111-B

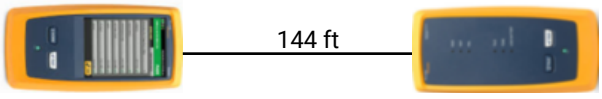
Test Summary: PASS

Date / Time: 11/25/2022 02:24:06 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

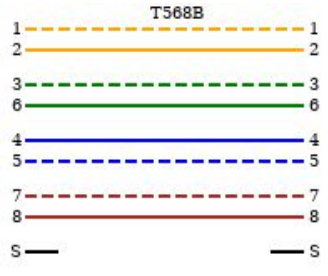
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

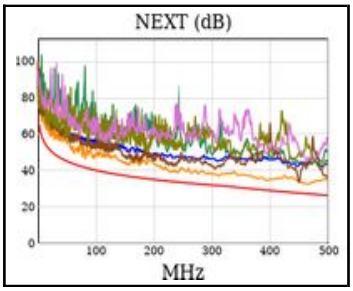
Length (ft), Limit 328	[Pair 7,8]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	225
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	8.0
Insertion Loss Margin (dB)	[Pair 1,2]	27.8
Frequency (MHz)	[Pair 1,2]	492.0
Limit (dB)	[Pair 1,2]	48.9

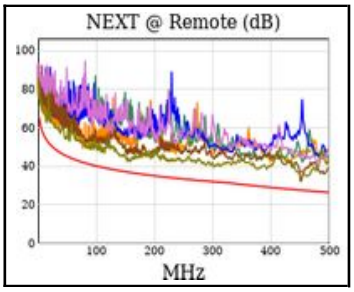


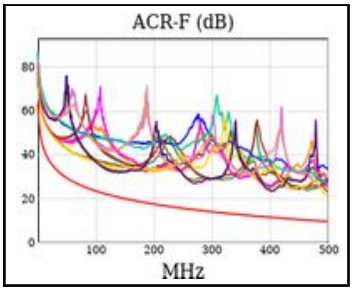
PASS

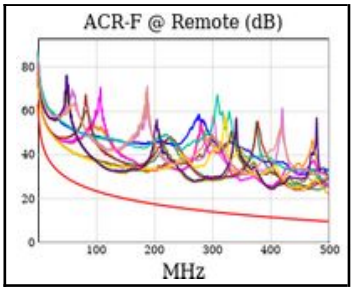


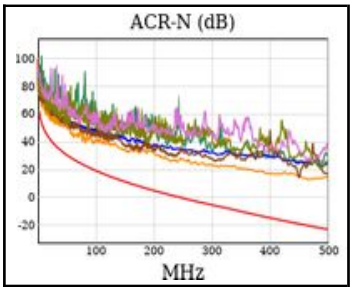


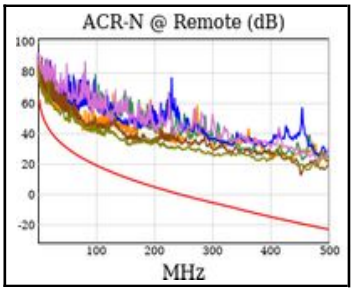


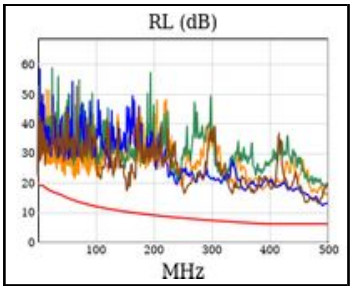


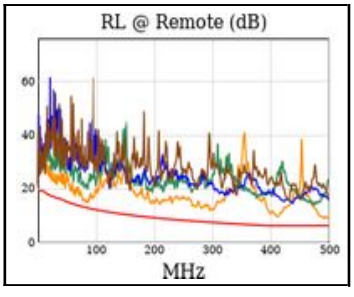












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.8	4.3	5.3	4.3
Freq. (MHz)	82.5	453.0	466.0	453.0
Limit (dB)	41.3	27.3	26.9	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	6.0	5.6	6.0
Freq. (MHz)	451.0	453.0	451.0	453.0
Limit (dB)	24.4	24.4	24.4	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.8	11.0	11.7	12.8
Freq. (MHz)	125.5	136.0	500.0	500.0
Limit (dB)	21.3	20.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.9	13.2	13.0
Freq. (MHz)	125.5	141.0	500.0	500.0
Limit (dB)	18.3	17.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	11.4	12.1	33.6	31.7
Freq. (MHz)	7.1	2.5	472.0	453.0
Limit (dB)	53.5	61.7	-21.0	-19.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	10.7	36.9	33.9
Freq. (MHz)	4.5	4.5	500.0	453.0
Limit (dB)	55.3	55.3	-26.1	-22.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	6.3	1.9	6.3	2.7
Freq. (MHz)	492.0	85.8	492.0	492.0
Limit (dB)	6.0	12.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-B

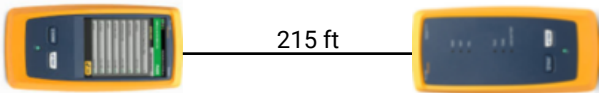
Test Summary: PASS

Date / Time: 11/27/2022 12:17:57 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

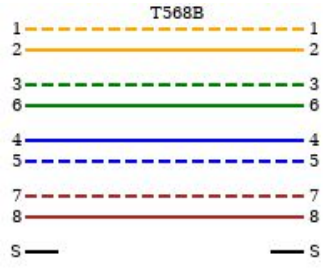
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

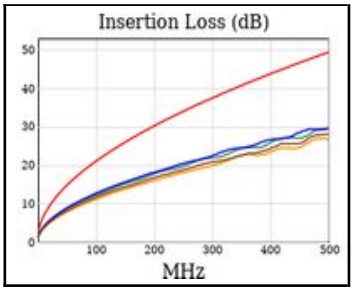
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	215
Prop. Delay (ns), Limit 555	[Pair 4,5]	342
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	12.9
Insertion Loss Margin (dB)	[Pair 4,5]	19.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

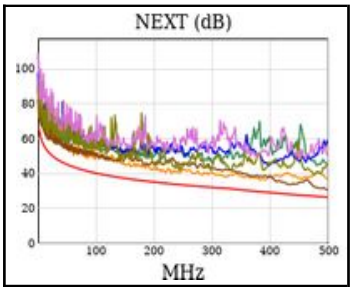


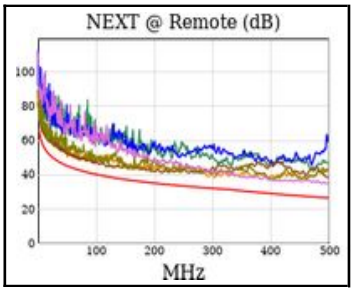
PASS



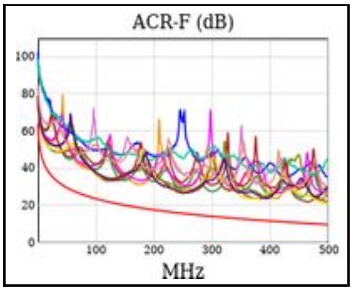


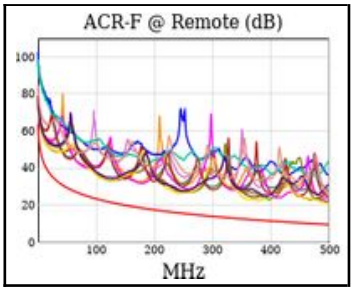
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	4.2	5.2	4.2	8.2
Freq. (MHz)	500.0	51.3	500.0	497.0
Limit (dB)	26.1	44.8	26.1	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.0	4.9	6.0	9.5
Freq. (MHz)	500.0	51.0	500.0	500.0
Limit (dB)	23.2	42.1	23.2	23.2



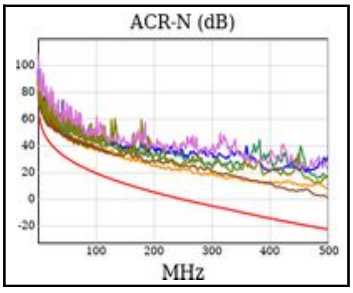


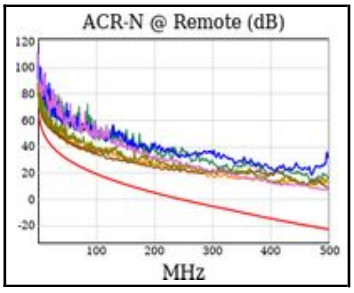
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.4	11.5	11.5
Freq. (MHz)	248.5	242.0	497.0	497.0
Limit (dB)	15.4	15.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	11.5	12.3
Freq. (MHz)	251.0	260.0	488.0	488.0
Limit (dB)	12.3	12.0	6.5	6.5



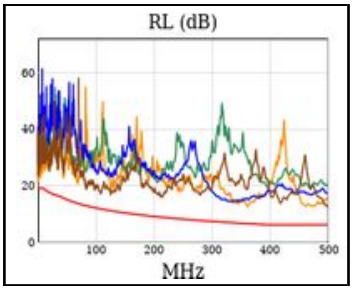


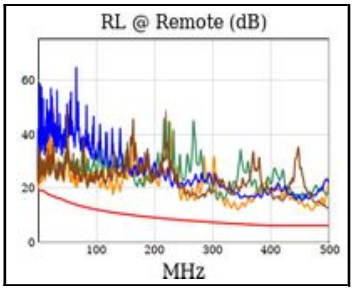
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	8.3	7.7	23.9	29.4
Freq. (MHz)	3.1	3.1	500.0	497.0
Limit (dB)	61.1	61.1	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.0	8.1	25.9	29.2
Freq. (MHz)	3.3	3.0	500.0	500.0
Limit (dB)	58.2	58.4	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.1	3.4	6.2	5.7
Freq. (MHz)	8.5	8.6	500.0	471.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-1-A

Test Summary: PASS

Date / Time: 12/04/2022 11:38:25 AM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.5	3.1	8.3	3.1
Freq. (MHz)	185.5	500.0	458.0	500.0
Limit (dB)	35.3	26.1	27.1	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	4.4	4.8	8.5	5.2
Freq. (MHz)	185.0	115.0	458.0	500.0
Limit (dB)	32.4	36.0	24.2	23.2

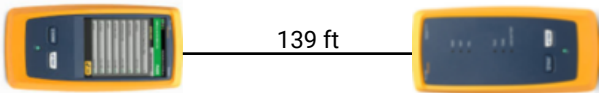
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	7,8-3,6
ACR-F (dB)	10.3	10.4	10.4	10.6
Freq. (MHz)	488.0	251.0	495.0	474.0
Limit (dB)	9.5	15.3	9.4	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.9	10.6	10.9
Freq. (MHz)	479.0	476.0	482.0	476.0
Limit (dB)	6.7	6.7	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	10.4	39.0	33.7
Freq. (MHz)	7.5	7.5	469.0	500.0
Limit (dB)	53.0	53.0	-20.8	-23.2
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.5	11.1	38.4	34.4
Freq. (MHz)	7.3	7.6	469.0	490.0
Limit (dB)	50.8	50.3	-23.6	-25.3

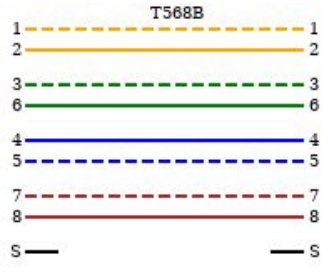
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.1	2.4	4.1	6.1
Freq. (MHz)	500.0	15.9	500.0	489.0
Limit (dB)	6.0	18.0	6.0	6.0

Compliant Network Standards:

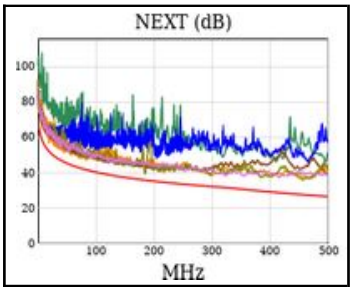
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

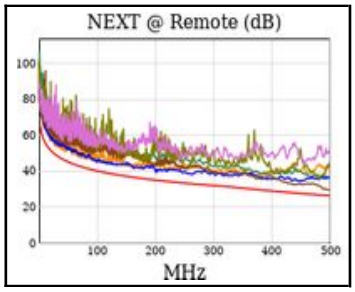


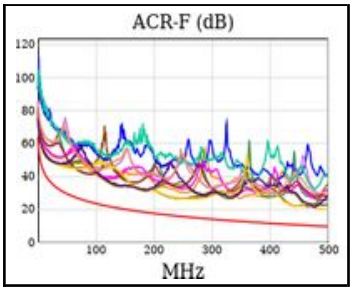
PASS

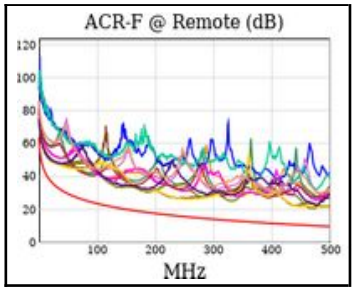


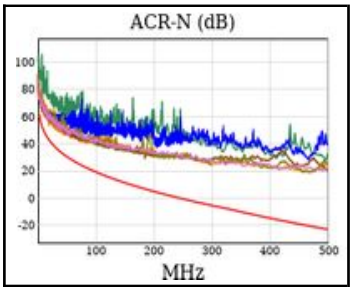


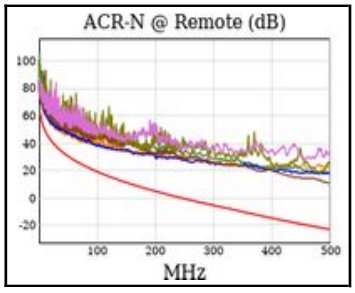


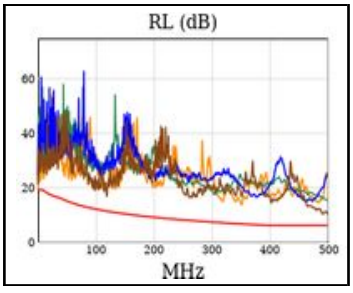


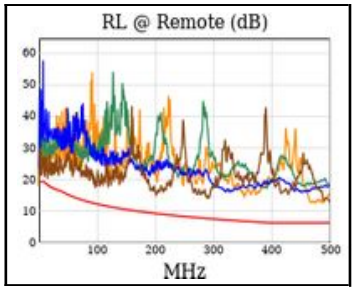












FLUKE networks

LinkWare Live

Cable ID: 112-1-B

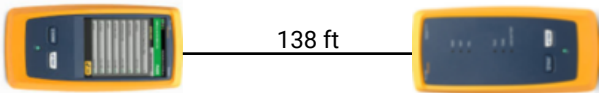
Test Summary: PASS

Date / Time: 12/04/2022 11:38:53 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

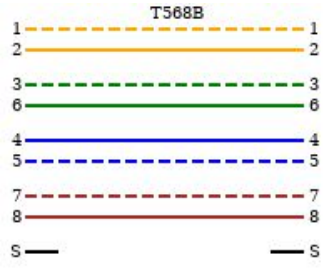
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



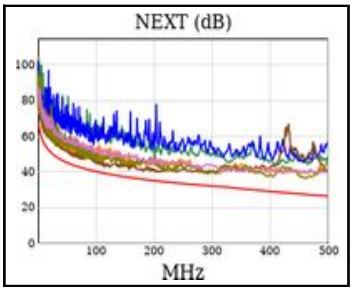
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.2	3.9	9.0	3.9
Freq. (MHz)	115.5	497.0	465.0	497.0
Limit (dB)	38.9	26.2	27.0	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	5.4	9.7	5.6
Freq. (MHz)	115.5	220.0	462.0	497.0
Limit (dB)	36.0	31.1	24.1	23.3

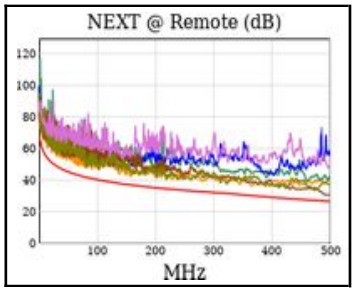
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.9	9.5	10.0
Freq. (MHz)	483.0	442.0	483.0	483.0
Limit (dB)	9.6	10.3	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.6	10.4	10.7
Freq. (MHz)	477.0	5.3	477.0	476.0
Limit (dB)	6.7	45.9	6.7	6.7

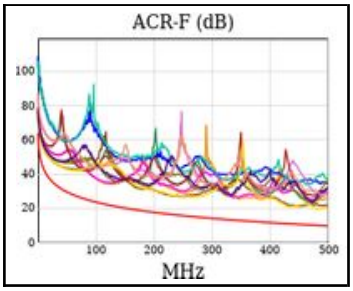
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	9.7	9.4	39.3	34.5
Freq. (MHz)	4.5	2.6	465.0	497.0
Limit (dB)	57.8	61.6	-20.4	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	10.1	40.2	35.3
Freq. (MHz)	4.6	3.1	473.0	497.0
Limit (dB)	55.1	58.3	-24.0	-25.8

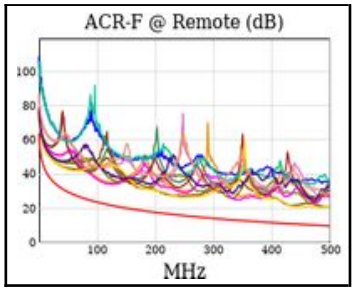
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.8	3.0	5.7	5.2
Freq. (MHz)	115.0	16.0	496.0	463.0
Limit (dB)	11.4	18.0	6.0	6.0

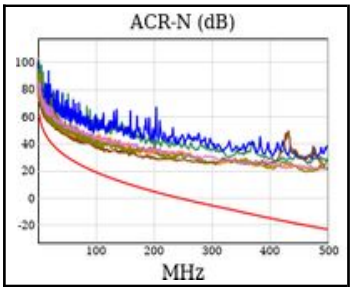


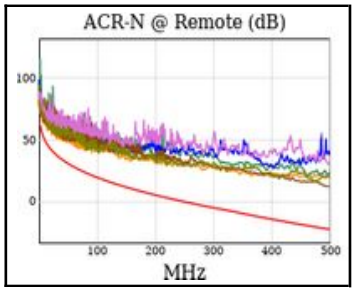


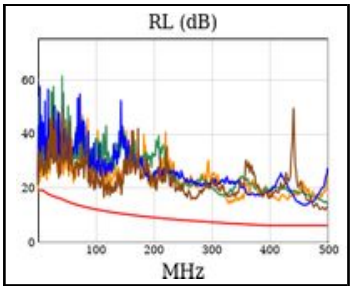


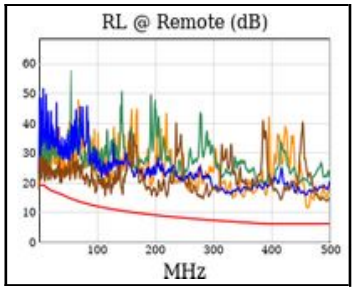












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-2-A

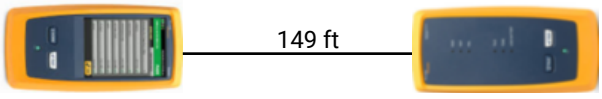
Test Summary: PASS

Date / Time: 12/04/2022 11:37:16 AM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

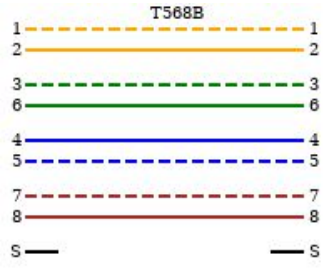
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

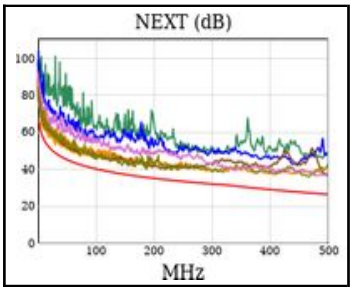
Length (ft), Limit 328	[Pair 1,2]	149
Prop. Delay (ns), Limit 555	[Pair 4,5]	236
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	12.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

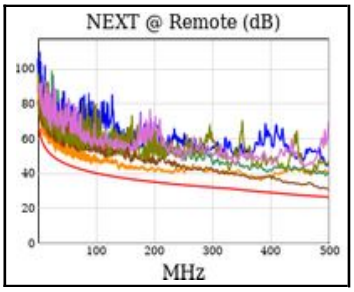


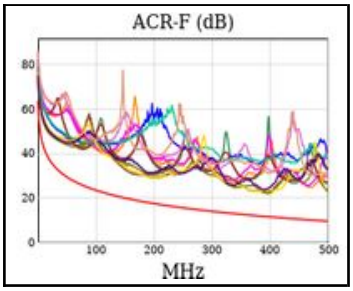
PASS

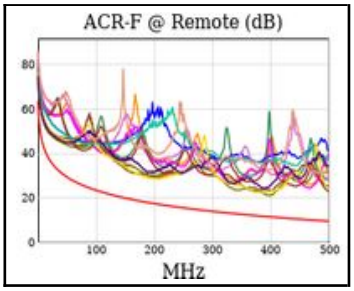


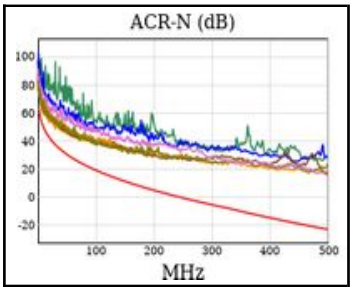


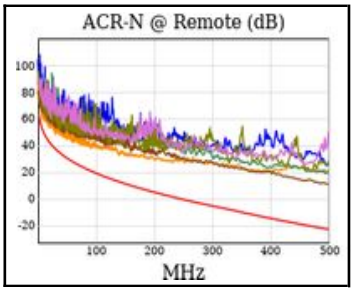


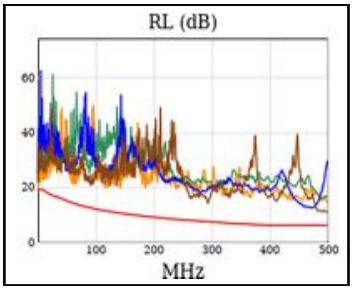


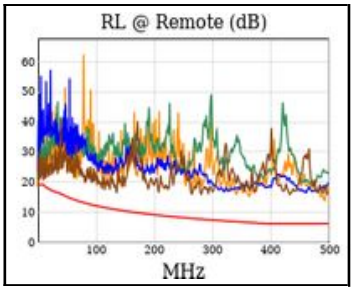












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.1	3.9	8.4	4.6
Freq. (MHz)	30.8	30.9	468.0	500.0
Limit (dB)	48.5	48.5	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.7	5.3	9.3	6.9
Freq. (MHz)	73.3	30.9	497.0	500.0
Limit (dB)	39.4	45.8	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	10.1	9.6	10.5	9.6
Freq. (MHz)	4.8	400.0	399.0	400.0
Limit (dB)	49.7	11.2	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.6	11.4	10.6
Freq. (MHz)	341.0	401.0	388.0	401.0
Limit (dB)	9.6	8.2	8.5	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	7.9	39.0	33.7
Freq. (MHz)	7.0	7.0	500.0	500.0
Limit (dB)	53.7	53.7	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.9	38.0	35.8
Freq. (MHz)	6.6	7.0	497.0	500.0
Limit (dB)	51.7	51.1	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.8	3.0	4.8	7.5
Freq. (MHz)	496.0	14.5	496.0	494.0
Limit (dB)	6.0	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-2-B

Test Summary: PASS

Date / Time: 12/04/2022 11:36:38 AM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	150
Prop. Delay (ns), Limit 555	[Pair 4,5]	237
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.6	4.0	8.7	4.7
Freq. (MHz)	80.3	30.6	460.0	496.0
Limit (dB)	41.5	48.6	27.1	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.8	5.6	7.9	5.9
Freq. (MHz)	77.8	30.9	458.0	495.0
Limit (dB)	39.0	45.8	24.2	23.3

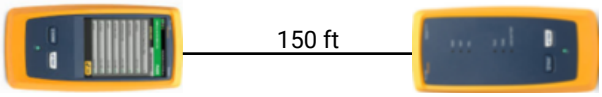
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.1	9.7	10.5
Freq. (MHz)	422.0	383.0	422.0	422.0
Limit (dB)	10.8	11.6	10.8	10.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.6	12.1	11.5
Freq. (MHz)	5.1	7.0	474.0	474.0
Limit (dB)	46.1	43.4	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.1	7.6	39.3	34.1
Freq. (MHz)	4.6	4.5	500.0	496.0
Limit (dB)	57.6	57.8	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	9.4	39.0	35.2
Freq. (MHz)	4.4	4.5	498.0	496.0
Limit (dB)	55.6	55.3	-25.9	-25.8

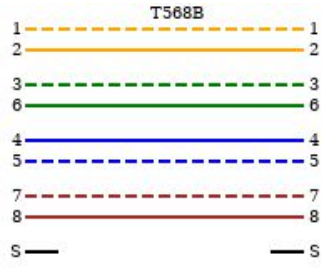
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.1	3.2	3.1	6.5
Freq. (MHz)	496.0	14.4	496.0	477.0
Limit (dB)	6.0	18.2	6.0	6.0

Compliant Network Standards:

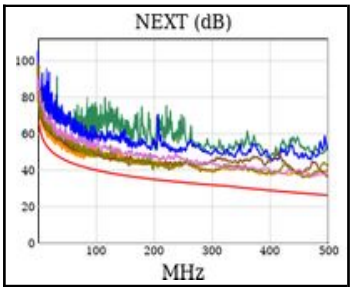
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

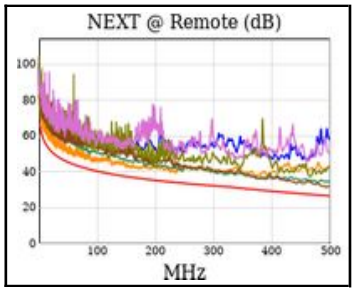


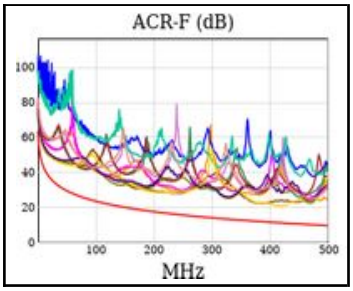
PASS

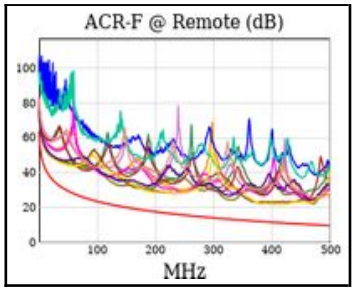


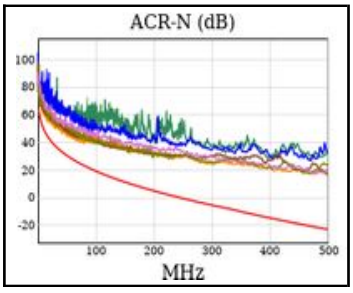


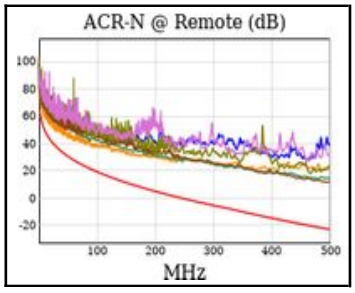


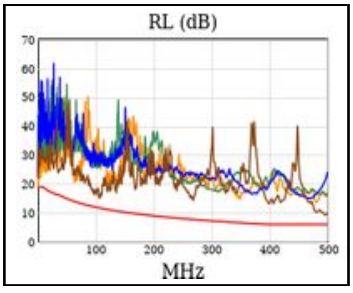


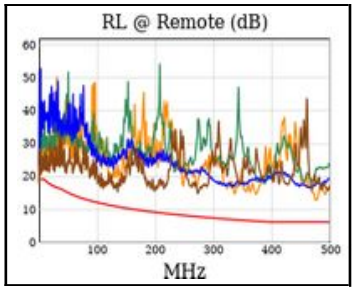












FLUKE networks

LinkWare Live

Cable ID: 111-B

Test Summary: PASS

Date / Time: 11/21/2022 04:43:22 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	124
Prop. Delay (ns), Limit 555	[Pair 4,5]	193
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	2.5	5.5	5.5
Freq. (MHz)	95.3	86.5	500.0	476.0
Limit (dB)	40.3	41.0	26.1	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	5.1	7.1	7.4
Freq. (MHz)	98.3	86.5	497.0	475.0
Limit (dB)	37.2	38.2	23.3	23.8

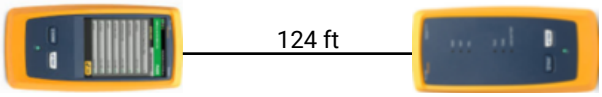
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.1	9.3	10.5	9.3
Freq. (MHz)	386.0	434.0	486.0	434.0
Limit (dB)	11.5	10.5	9.5	10.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.9	10.7	12.2	12.6
Freq. (MHz)	9.1	1.0	486.0	460.0
Limit (dB)	41.1	60.3	6.5	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.1	8.2	38.3	36.4
Freq. (MHz)	5.6	5.6	500.0	476.0
Limit (dB)	55.8	55.8	-23.2	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.4	38.5	39.7
Freq. (MHz)	5.4	5.6	497.0	496.0
Limit (dB)	53.7	53.2	-25.8	-25.8

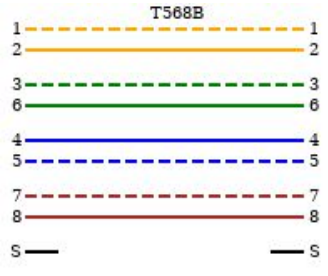
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.6	6.9	6.6	6.9
Freq. (MHz)	485.0	497.0	485.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

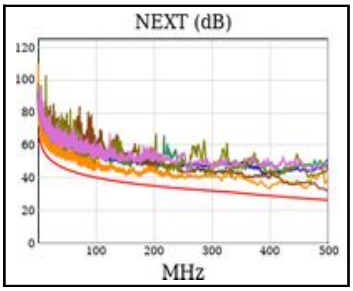
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

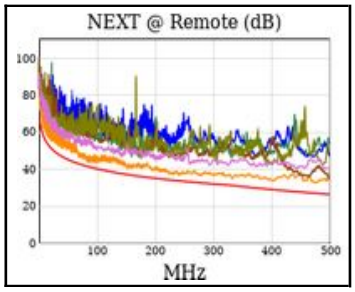


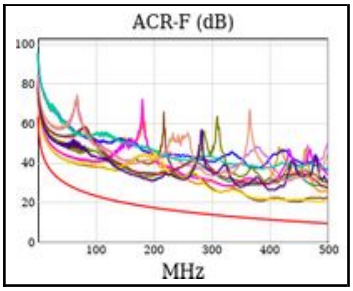
PASS

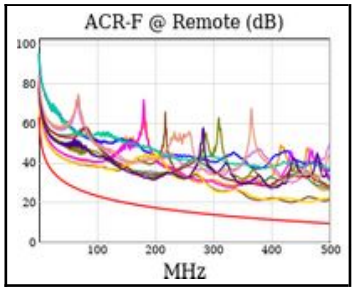


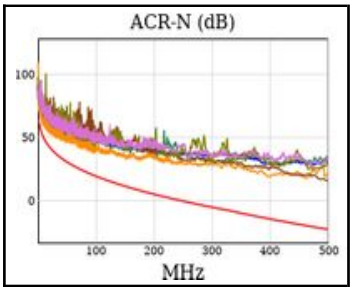


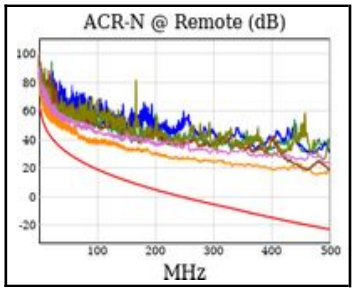


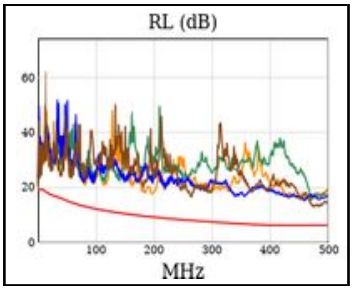


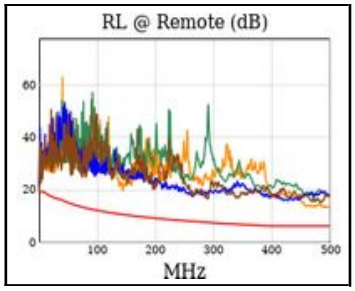












FLUKE networks

LinkWare Live

Cable ID: 111-A

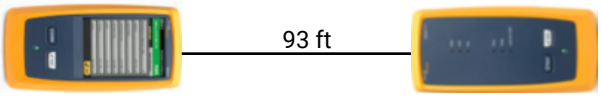
Test Summary: PASS

Date / Time: 11/22/2022 04:56:06 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

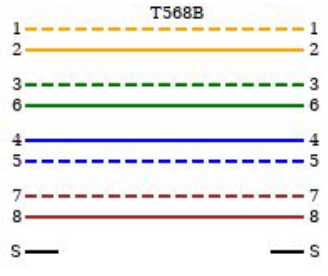
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

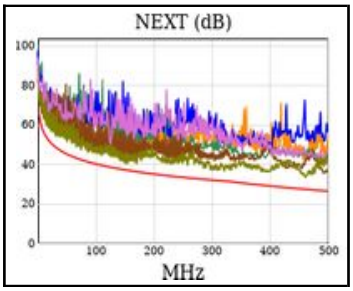
Length (ft), Limit 328	[Pair 1,2]	93
Prop. Delay (ns), Limit 555	[Pair 3,6]	143
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.7
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

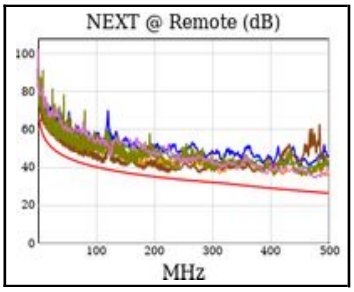


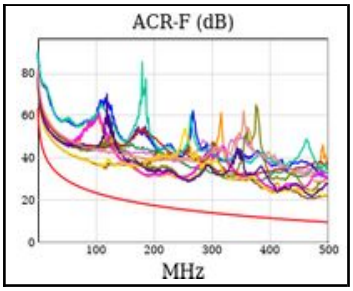
PASS

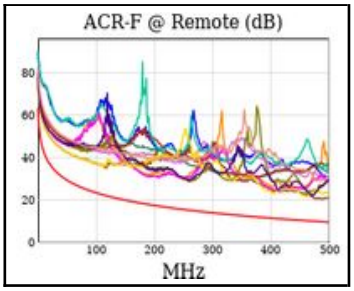


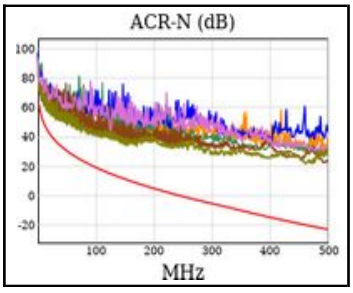


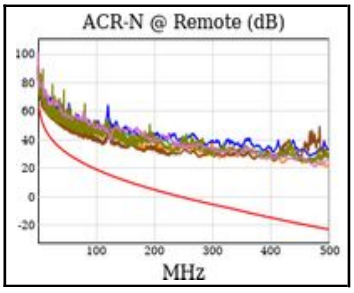


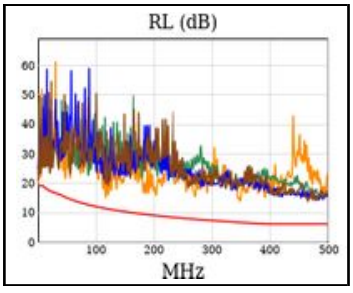


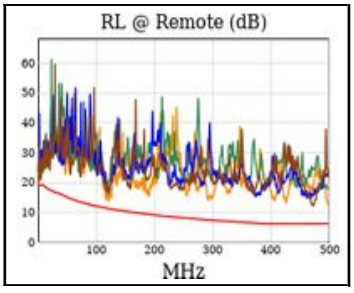












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	4,5-7,8
NEXT (dB)	3.2	2.6	5.9	7.5
Freq. (MHz)	155.0	110.5	462.0	479.0
Limit (dB)	36.7	39.2	27.0	26.6
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	4.9	3.5	7.9	8.1
Freq. (MHz)	154.5	154.5	462.0	478.0
Limit (dB)	33.8	33.8	24.1	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.5	10.5	10.7
Freq. (MHz)	466.0	479.0	466.0	490.0
Limit (dB)	9.9	9.7	9.9	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.6	12.0	11.6
Freq. (MHz)	420.0	479.0	465.0	479.0
Limit (dB)	7.8	6.7	6.9	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	8.8	8.1	42.2	43.6
Freq. (MHz)	3.5	3.5	474.0	495.0
Limit (dB)	60.1	60.1	-21.2	-22.8
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.0	8.4	44.8	43.1
Freq. (MHz)	3.5	3.8	494.0	478.0
Limit (dB)	57.6	57.0	-25.6	-24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.7	2.4	6.9	5.9
Freq. (MHz)	117.5	122.5	350.0	475.0
Limit (dB)	11.3	11.1	6.6	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-B

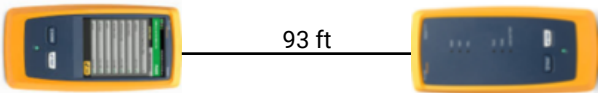
Test Summary: PASS

Date / Time: 11/22/2022 04:56:55 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

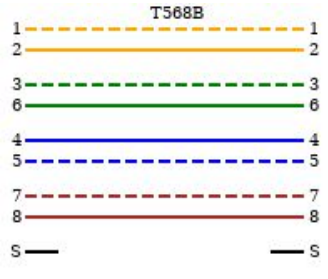
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	93
Prop. Delay (ns), Limit 555	[Pair 3,6]	143
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.7
Insertion Loss Margin (dB)	[Pair 3,6]	34.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

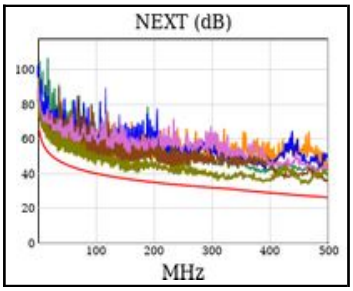


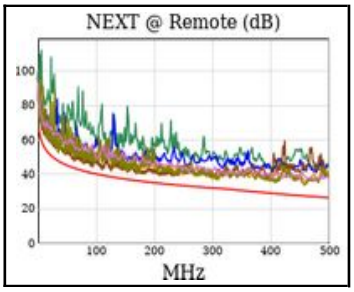
PASS



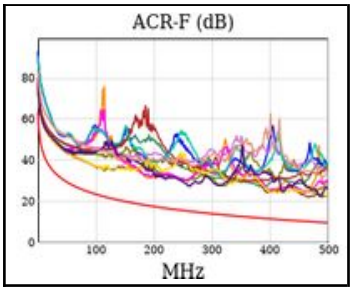


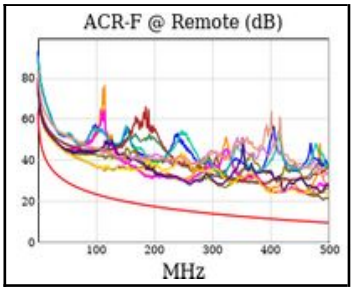
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	3.8	3.0	6.6	6.0
Freq. (MHz)	151.0	111.0	467.0	459.0
Limit (dB)	36.9	39.2	26.9	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	3.2	8.6	6.8
Freq. (MHz)	151.0	171.0	455.0	459.0
Limit (dB)	34.0	33.0	24.3	24.2



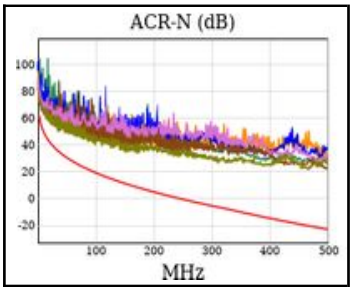


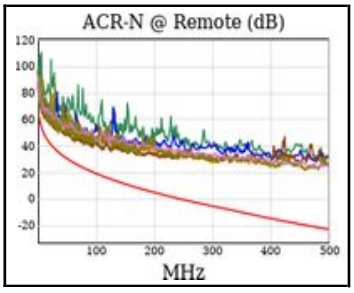
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	11.8	11.0	12.3	11.0
Freq. (MHz)	468.0	491.0	491.0	491.0
Limit (dB)	9.9	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.2	11.8	13.0	12.0
Freq. (MHz)	5.6	471.0	500.0	492.0
Limit (dB)	45.3	6.8	6.3	6.4



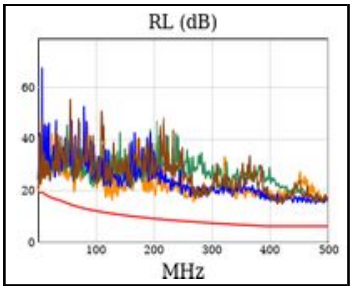


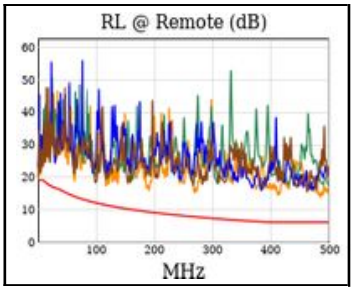
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	9.7	9.3	41.6	41.1
Freq. (MHz)	3.5	3.4	467.0	459.0
Limit (dB)	60.1	60.4	-20.6	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	9.0	45.0	43.1
Freq. (MHz)	3.5	3.8	499.0	483.0
Limit (dB)	57.6	57.0	-26.0	-24.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.2	4.7	8.3	7.6
Freq. (MHz)	129.0	63.5	422.0	486.0
Limit (dB)	10.9	14.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-B

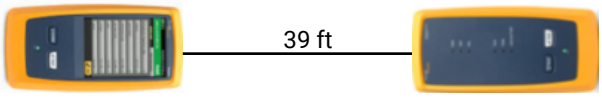
Test Summary: PASS

Date / Time: 12/22/2022 12:02:33 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

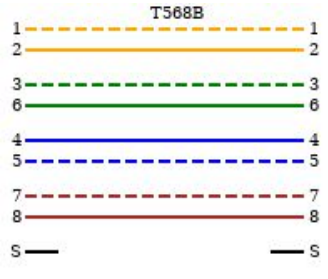
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

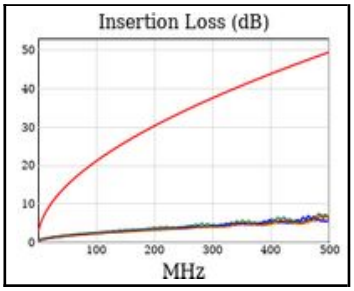
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

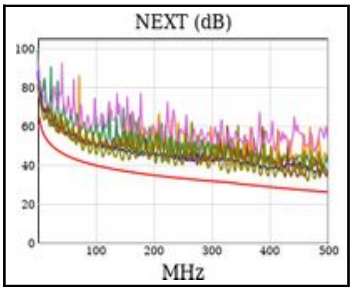
Length (ft), Limit 328	[Pair 7,8]	39
Prop. Delay (ns), Limit 555	[Pair 4,5]	61
Delay Skew (ns), Limit 50	[Pair 4,5]	3
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	41.1
Frequency (MHz)	[Pair 3,6]	484.0
Limit (dB)	[Pair 3,6]	48.4

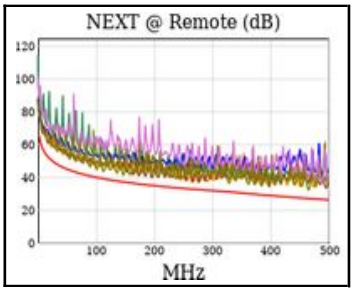


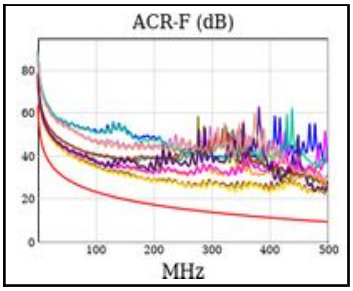
PASS

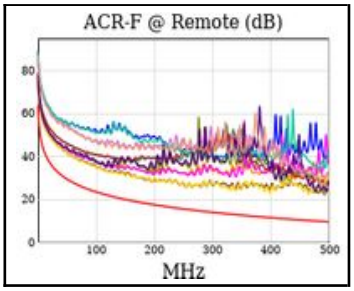


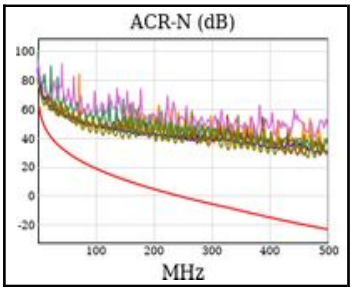


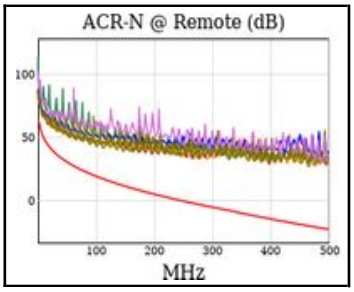


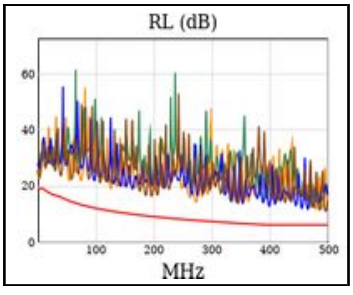


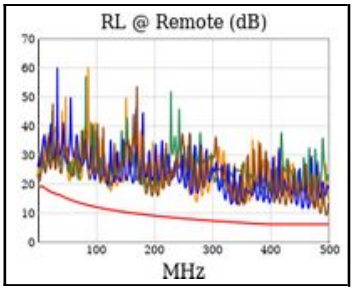












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.8	4.2	4.9	5.2
Freq. (MHz)	329.0	147.5	466.0	466.0
Limit (dB)	31.1	37.1	26.9	26.9
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.9	4.8	6.8	5.9
Freq. (MHz)	101.5	397.0	466.0	465.0
Limit (dB)	37.0	25.9	24.0	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	10.3	10.3	12.8	12.6
Freq. (MHz)	266.0	256.0	495.0	494.0
Limit (dB)	14.8	15.1	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	13.6	13.0
Freq. (MHz)	117.5	119.0	478.0	482.0
Limit (dB)	18.9	18.7	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	13.6	14.1	46.7	47.0
Freq. (MHz)	3.0	7.8	466.0	466.0
Limit (dB)	61.4	52.7	-20.5	-20.5
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	13.1	13.7	49.0	47.5
Freq. (MHz)	3.3	7.8	478.0	465.0
Limit (dB)	58.2	50.1	-24.4	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.7	3.0	4.7	3.0
Freq. (MHz)	497.0	497.0	497.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-1-A

Test Summary: PASS

Date / Time: 12/10/2022 07:21:19 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	253
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.5	4.4	8.1	8.4
Freq. (MHz)	97.0	38.0	500.0	451.0
Limit (dB)	40.2	47.0	26.1	27.3
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	6.5	5.4	10.1	8.1
Freq. (MHz)	99.0	152.5	500.0	454.0
Limit (dB)	37.2	33.9	23.2	24.3

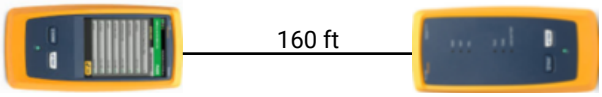
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	10.2	10.7	10.3	11.3
Freq. (MHz)	321.0	318.0	491.0	491.0
Limit (dB)	13.1	13.2	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.2	10.6	12.6
Freq. (MHz)	487.0	6.4	487.0	500.0
Limit (dB)	6.5	44.2	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	11.2	9.3	35.7	37.9
Freq. (MHz)	6.4	6.3	500.0	490.0
Limit (dB)	54.6	54.8	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.8	9.5	37.7	38.7
Freq. (MHz)	6.3	6.1	500.0	500.0
Limit (dB)	52.2	52.4	-26.1	-26.1

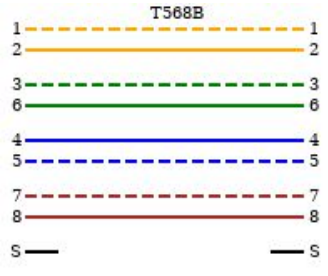
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	6.9	5.2	7.4	5.6
Freq. (MHz)	18.0	21.3	490.0	495.0
Limit (dB)	17.7	17.4	6.0	6.0

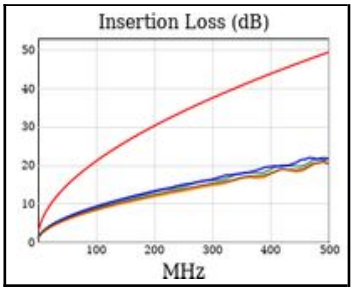
Compliant Network Standards:

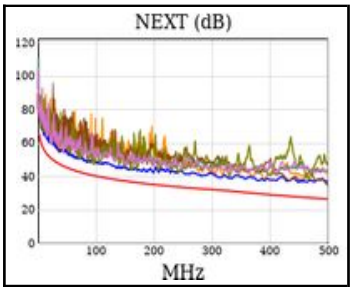
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

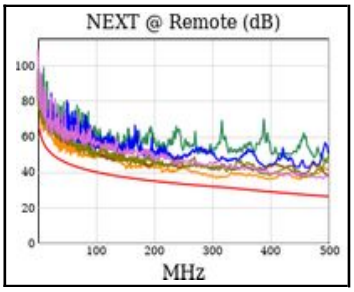


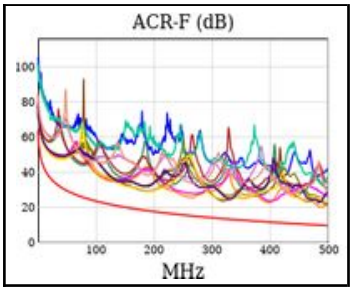
PASS

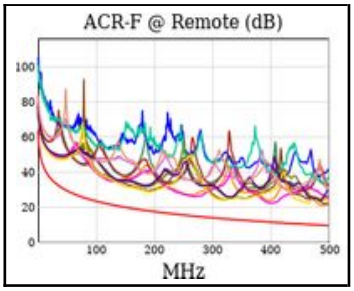


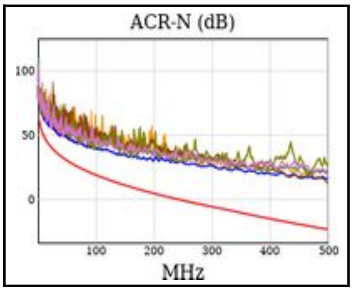


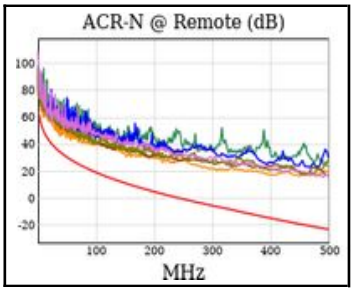


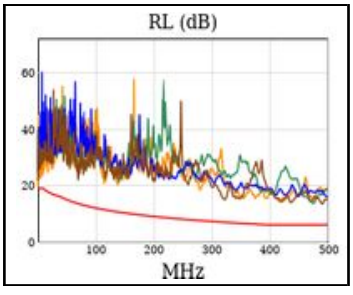


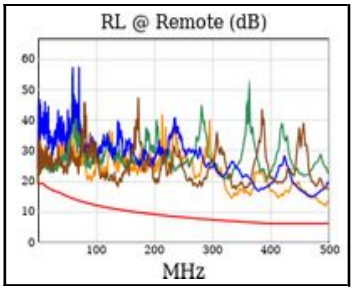












FLUKE networks

LinkWare Live

Cable ID: 112-1-B

Test Summary: PASS

Date / Time: 12/10/2022 07:22:50 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	252
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.5	3.7	8.2	8.1
Freq. (MHz)	19.9	19.6	500.0	400.0
Limit (dB)	51.7	51.8	26.1	28.7
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.0	4.9	9.7	9.7
Freq. (MHz)	6.4	161.5	500.0	459.0
Limit (dB)	57.2	33.5	23.2	24.2

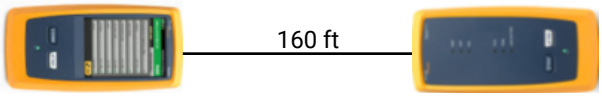
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.1	9.5	9.2
Freq. (MHz)	383.0	383.0	383.0	385.0
Limit (dB)	11.6	11.6	11.6	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.9	9.5	10.0
Freq. (MHz)	393.0	398.0	393.0	401.0
Limit (dB)	8.4	8.3	8.4	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.6	7.1	36.2	39.1
Freq. (MHz)	6.5	6.4	500.0	500.0
Limit (dB)	54.4	54.6	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.9	8.4	37.7	39.6
Freq. (MHz)	6.4	6.1	500.0	500.0
Limit (dB)	52.0	52.4	-26.1	-26.1

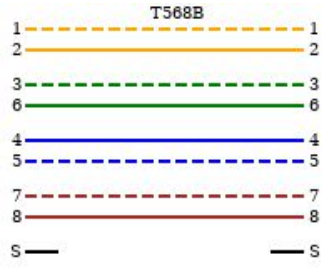
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.2	5.0	8.4	6.3
Freq. (MHz)	18.0	21.3	500.0	495.0
Limit (dB)	17.7	17.4	6.0	6.0

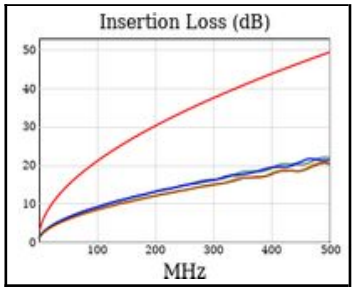
Compliant Network Standards:

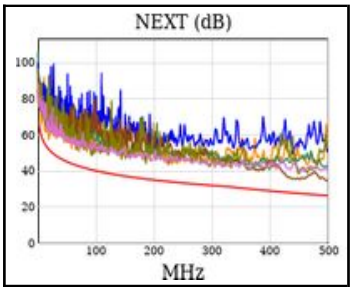
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

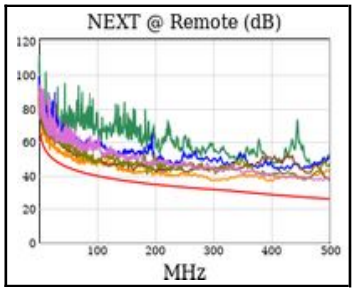


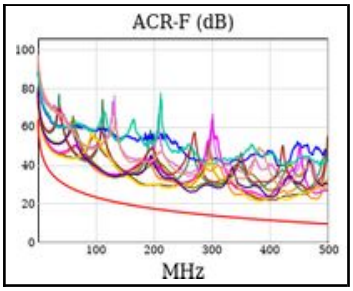
PASS

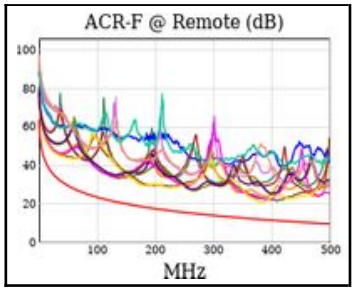


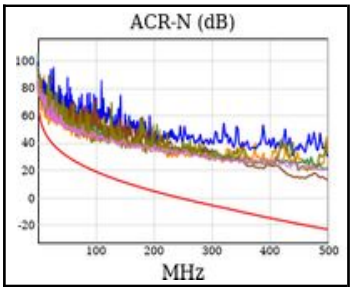


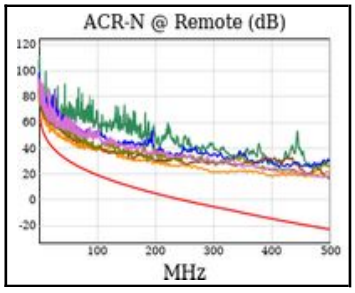


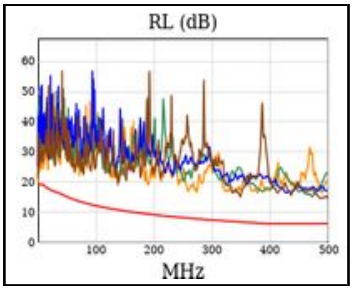


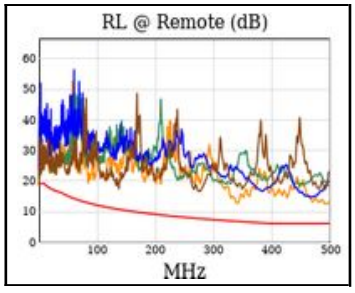












FLUKE networks

LinkWare Live

Cable ID: 112-2-A

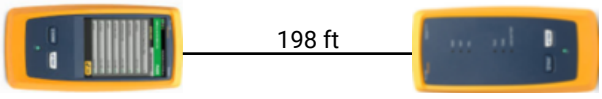
Test Summary: PASS

Date / Time: 12/10/2022 07:17:08 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

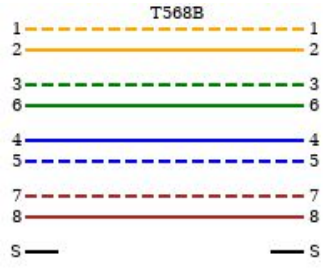
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

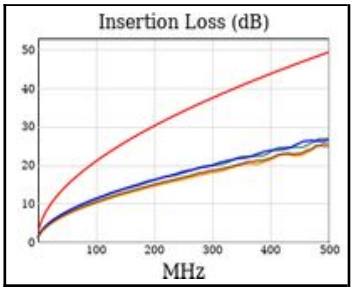
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

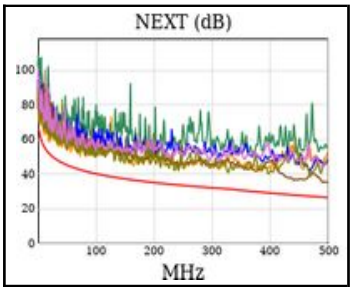
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	314
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	12.9
Insertion Loss Margin (dB)	[Pair 3,6]	22.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

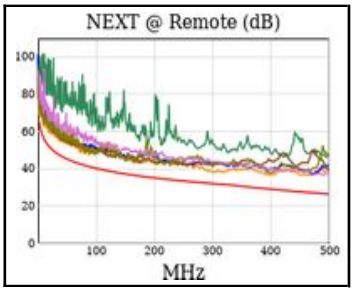


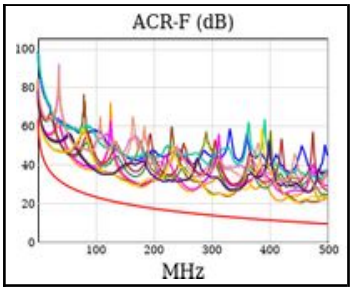
PASS

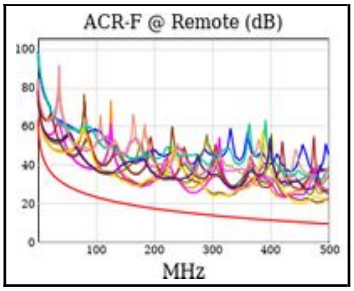


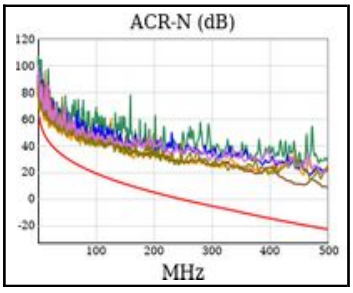


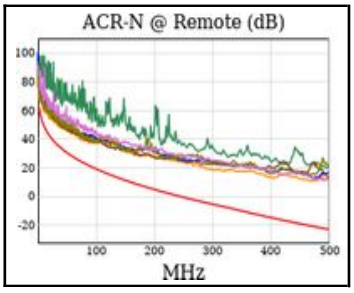


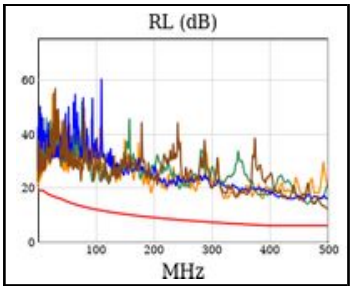


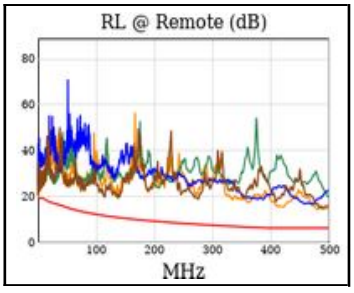












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.2	4.2	8.4	9.3
Freq. (MHz)	3.4	3.4	500.0	471.0
Limit (dB)	64.2	64.2	26.1	26.8
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	6.0	4.8	10.7	9.2
Freq. (MHz)	3.4	3.3	492.0	475.0
Limit (dB)	61.7	62.0	23.4	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.6	10.3	9.6
Freq. (MHz)	175.5	452.0	455.0	452.0
Limit (dB)	18.4	10.2	10.1	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.2	10.8	11.5	11.6
Freq. (MHz)	169.5	177.5	449.0	452.0
Limit (dB)	15.7	15.3	7.2	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.0	6.0	31.2	31.3
Freq. (MHz)	3.4	3.4	500.0	471.0
Limit (dB)	60.4	60.4	-23.2	-20.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.8	6.6	33.4	34.4
Freq. (MHz)	3.4	3.3	500.0	500.0
Limit (dB)	57.9	58.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.1	5.8	6.1	8.2
Freq. (MHz)	500.0	10.9	500.0	489.0
Limit (dB)	6.0	18.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-1-A

Test Summary: PASS

Date / Time: 11/25/2022 04:40:06 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	177
Prop. Delay (ns), Limit 555	[Pair 4,5]	274
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	24.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	3.1	5.3	9.2
Freq. (MHz)	240.5	174.0	467.0	500.0
Limit (dB)	33.4	35.8	26.9	26.1
Worst Pair	3,6	3,6	1,2	4,5
PS NEXT (dB)	5.1	5.5	7.7	10.3
Freq. (MHz)	240.5	174.0	467.0	500.0
Limit (dB)	30.4	32.9	24.0	23.2

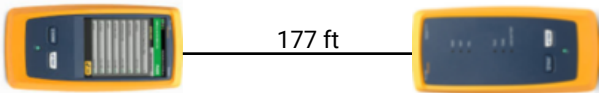
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.6	9.4	10.1
Freq. (MHz)	500.0	253.0	500.0	500.0
Limit (dB)	9.3	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.3	11.3	12.2
Freq. (MHz)	462.0	266.0	468.0	500.0
Limit (dB)	7.0	11.8	6.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.4	10.4	29.6	34.8
Freq. (MHz)	3.5	3.8	467.0	500.0
Limit (dB)	60.1	59.5	-20.6	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	9.1	33.8	35.9
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	57.3	57.3	-26.1	-26.1

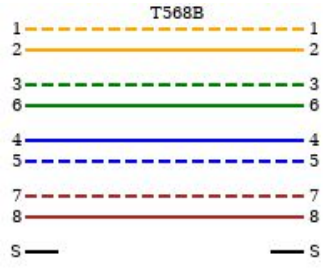
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.8	5.1	5.8	5.1
Freq. (MHz)	458.0	433.0	458.0	433.0
Limit (dB)	6.0	6.0	6.0	6.0

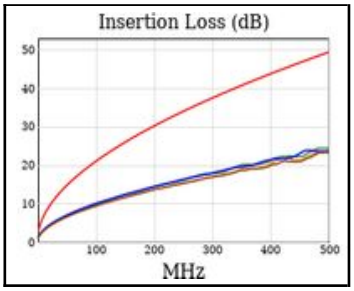
Compliant Network Standards:

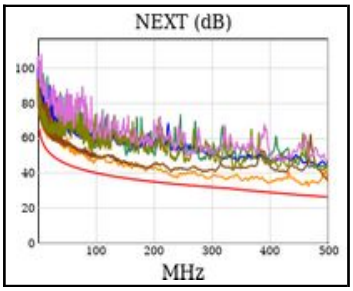
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

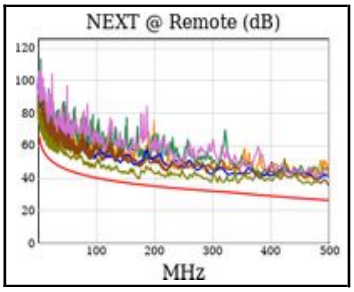


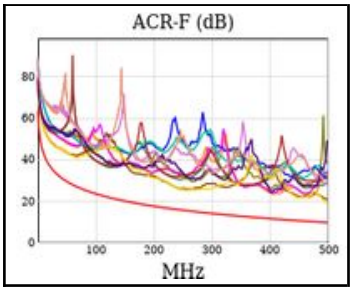
PASS

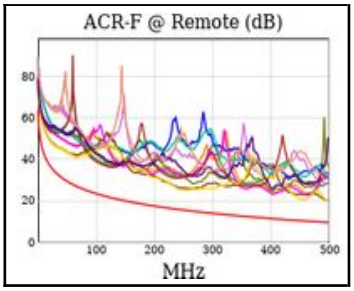


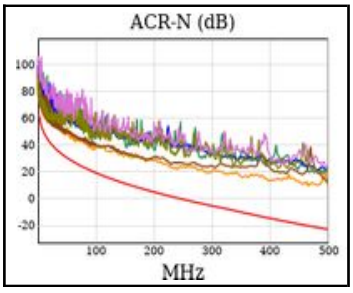


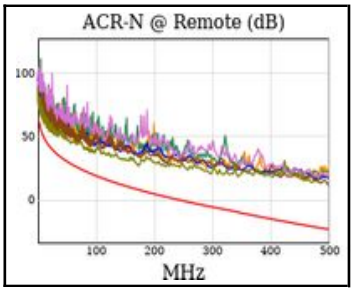


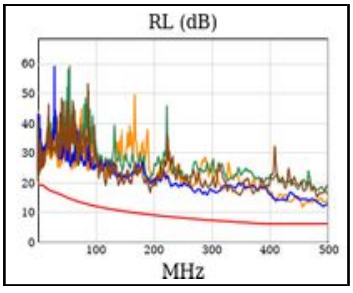


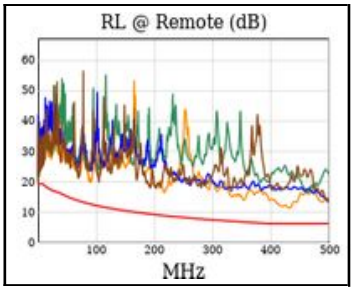












FLUKE networks

LinkWare Live

Cable ID: 112-1-B

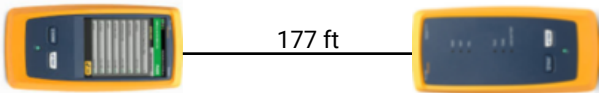
Test Summary: PASS

Date / Time: 11/25/2022 04:40:41 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

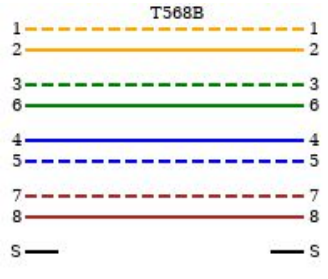
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

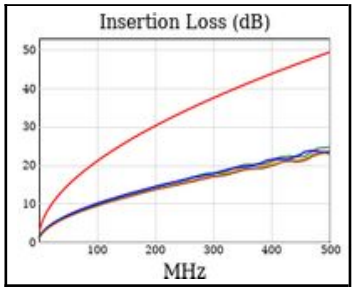
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

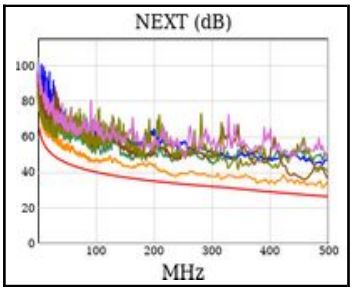
Length (ft), Limit 328	[Pair 7,8]	177
Prop. Delay (ns), Limit 555	[Pair 4,5]	274
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

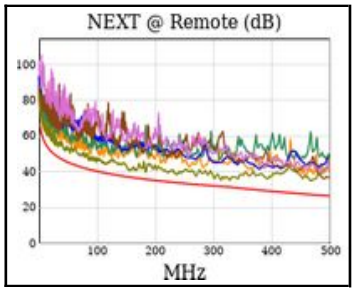


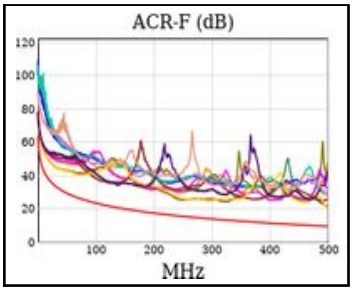
PASS

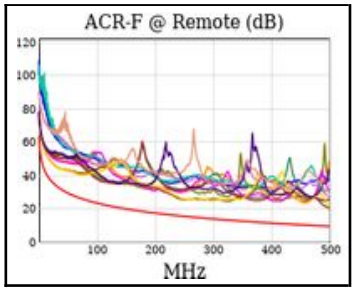


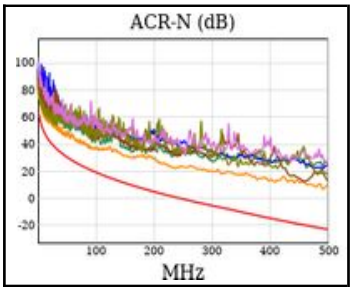


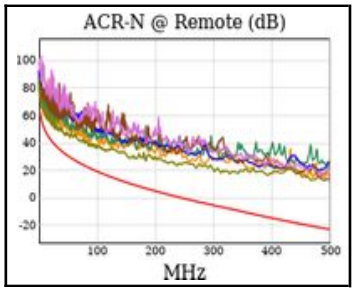


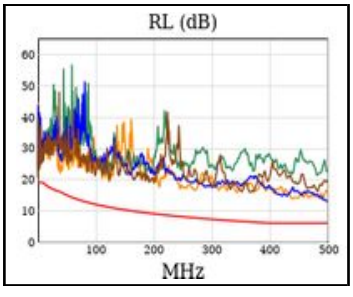


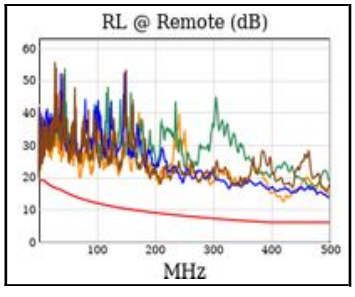












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.8	3.5	4.6	7.5
Freq. (MHz)	238.5	328.0	492.0	468.0
Limit (dB)	33.5	31.1	26.3	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	5.8	6.9	8.9
Freq. (MHz)	238.5	328.0	492.0	468.0
Limit (dB)	30.5	28.1	23.4	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.9	11.1	10.6
Freq. (MHz)	247.5	247.5	500.0	500.0
Limit (dB)	15.4	15.4	9.3	9.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.3	11.3	12.8	12.8
Freq. (MHz)	8.1	247.0	500.0	500.0
Limit (dB)	42.1	12.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	10.9	8.8	29.0	33.1
Freq. (MHz)	8.9	5.5	492.0	468.0
Limit (dB)	51.3	56.0	-22.6	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	9.8	31.3	34.3
Freq. (MHz)	3.5	3.6	492.0	492.0
Limit (dB)	57.6	57.3	-25.5	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	6.0	6.4	6.9	6.5
Freq. (MHz)	39.0	70.5	500.0	422.0
Limit (dB)	16.0	13.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-2-A

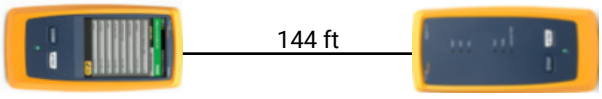
Test Summary: PASS

Date / Time: 11/25/2022 04:43:42 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

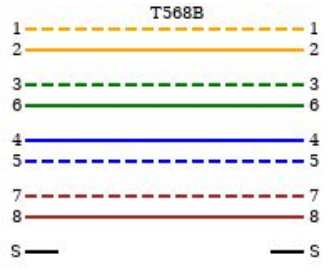
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

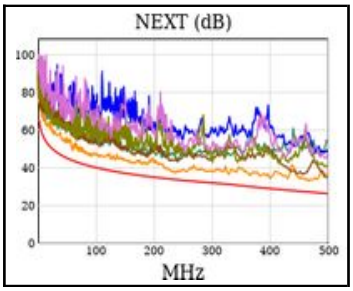
Length (ft), Limit 328	[Pair 7,8]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	28.4
Frequency (MHz)	[Pair 3,6]	486.0
Limit (dB)	[Pair 3,6]	48.5

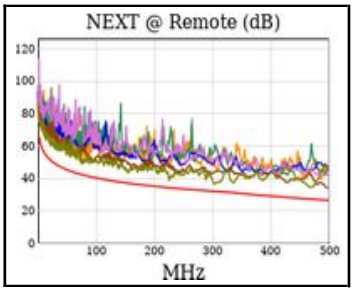


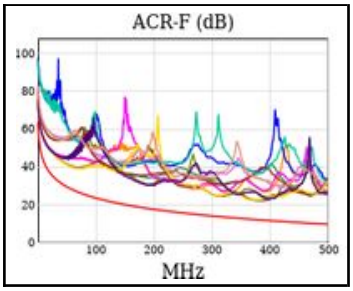
PASS

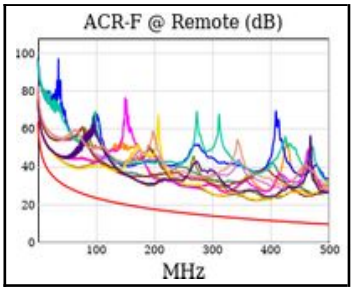


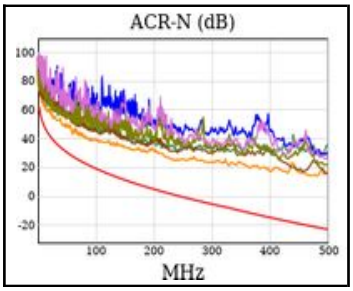


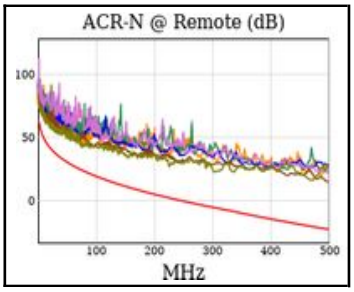


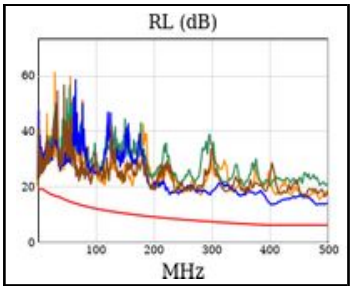


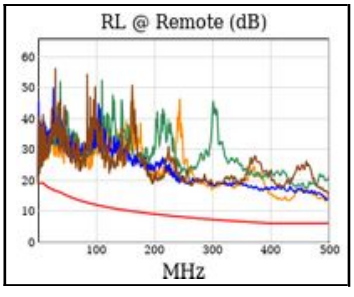












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.5	4.0	5.8	7.7
Freq. (MHz)	235.5	226.5	468.0	500.0
Limit (dB)	33.6	33.9	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.4	6.4	8.4	8.8
Freq. (MHz)	240.0	304.0	495.0	469.0
Limit (dB)	30.5	28.7	23.3	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	10.0	10.1	10.1
Freq. (MHz)	380.0	380.0	382.0	383.0
Limit (dB)	11.7	11.7	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.1	10.8	10.5
Freq. (MHz)	7.8	7.8	395.0	394.0
Limit (dB)	42.5	42.5	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.3	12.1	35.4	37.7
Freq. (MHz)	2.6	2.6	482.0	500.0
Limit (dB)	61.6	61.6	-21.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	11.0	37.4	39.1
Freq. (MHz)	4.6	4.6	495.0	500.0
Limit (dB)	55.1	55.1	-25.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	7.1	7.0	7.1	7.0
Freq. (MHz)	404.0	494.0	404.0	494.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 111-B

Test Summary: PASS

Date / Time: 11/27/2022 06:06:13 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	256
Prop. Delay (ns), Limit 555	[Pair 4,5]	405
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 4,5]	15.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	4.0	7.7	5.4
Freq. (MHz)	20.0	169.5	389.0	500.0
Limit (dB)	51.6	36.0	29.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	5.4	9.3	6.9
Freq. (MHz)	20.0	181.0	457.0	500.0
Limit (dB)	49.0	32.6	24.3	23.2

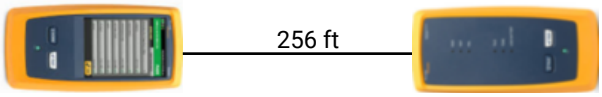
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.3	9.4	9.3
Freq. (MHz)	466.0	470.0	466.0	470.0
Limit (dB)	9.9	9.8	9.9	9.8
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.6	10.6	11.6	10.9
Freq. (MHz)	5.6	3.1	466.0	470.0
Limit (dB)	45.3	50.4	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	6.6	6.2	25.2	20.4
Freq. (MHz)	20.0	9.1	468.0	500.0
Limit (dB)	42.5	51.0	-20.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	8.1	24.9	22.2
Freq. (MHz)	20.0	9.1	468.0	500.0
Limit (dB)	39.8	48.5	-23.6	-26.1

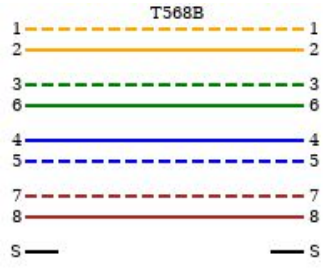
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.3	3.6	6.7	4.9
Freq. (MHz)	10.0	115.5	476.0	476.0
Limit (dB)	19.0	11.4	6.0	6.0

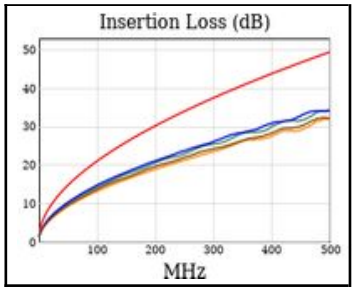
Compliant Network Standards:

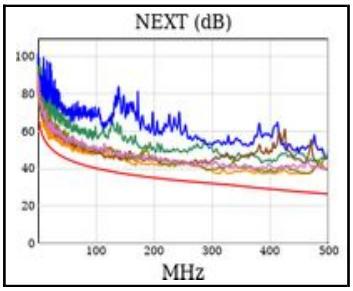
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

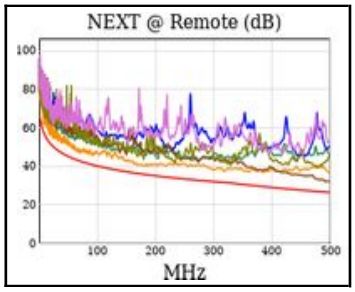


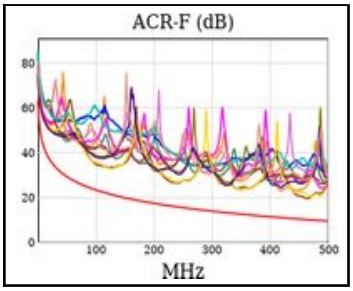
PASS

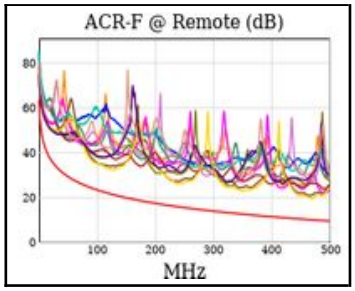


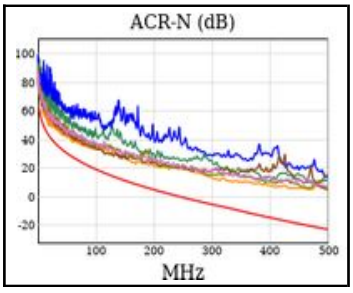


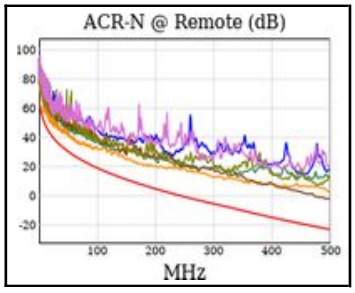


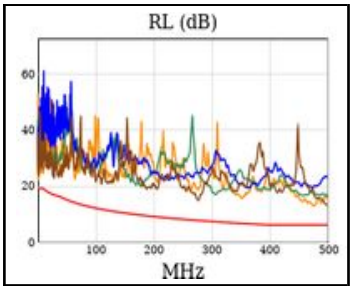


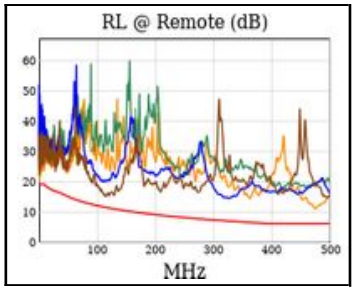












FLUKE networks

LinkWare Live

Cable ID: 112-A

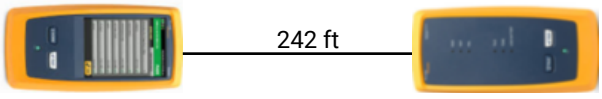
Test Summary: PASS

Date / Time: 12/19/2022 01:55:32 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

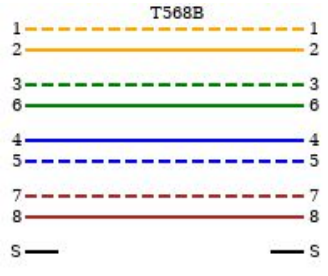
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

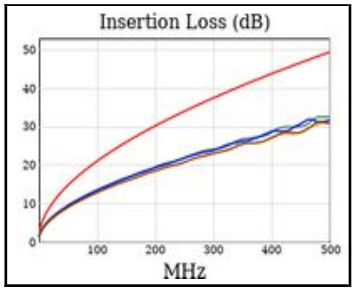
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	242
Prop. Delay (ns), Limit 555	[Pair 4,5]	376
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	18.5
Insertion Loss Margin (dB)	[Pair 3,6]	16.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

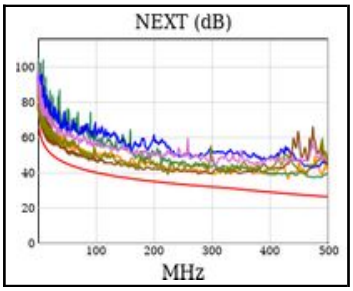


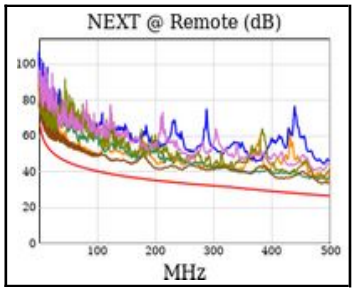
PASS



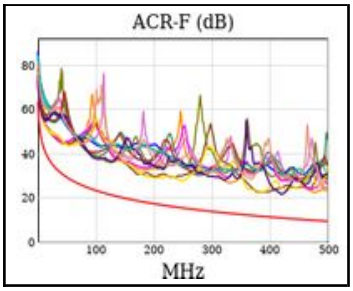


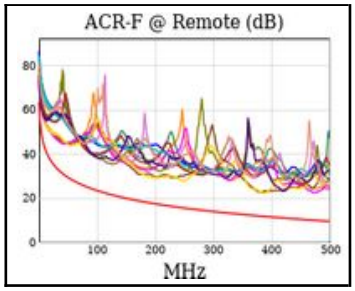
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.9	5.6	8.5	6.6
Freq. (MHz)	16.6	4.0	432.0	487.0
Limit (dB)	53.0	63.0	27.8	26.4
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	4.7	6.5	10.3	6.5
Freq. (MHz)	224.5	496.0	464.0	496.0
Limit (dB)	31.0	23.3	24.1	23.3



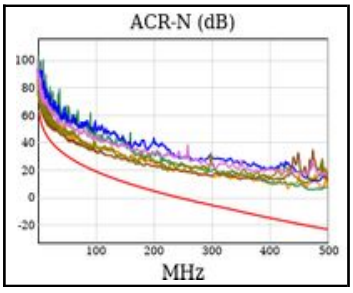


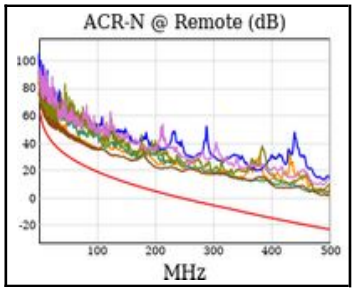
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.5	10.5	10.6	10.5
Freq. (MHz)	2.6	389.0	420.0	389.0
Limit (dB)	54.9	11.5	10.8	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.3	10.3	11.2	12.8
Freq. (MHz)	1.4	3.1	420.0	472.0
Limit (dB)	57.5	50.4	7.8	6.8



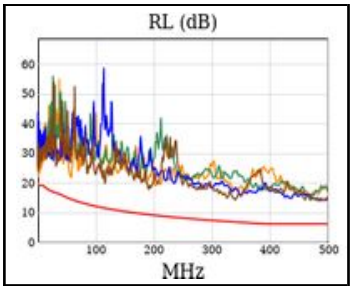


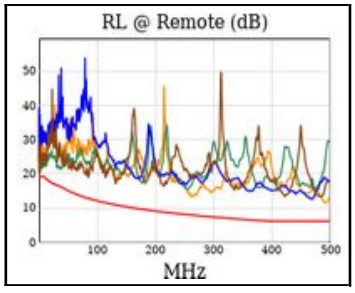
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	6.6	7.2	26.8	23.7
Freq. (MHz)	4.0	4.0	476.0	495.0
Limit (dB)	58.9	58.9	-21.3	-22.8
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	6.7	7.9	28.8	23.0
Freq. (MHz)	5.4	4.0	490.0	495.0
Limit (dB)	53.7	56.4	-25.3	-25.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.5	2.6	7.7	5.3
Freq. (MHz)	6.1	5.9	484.0	494.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-B

Test Summary: PASS

Date / Time: 12/19/2022 01:55:54 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	241
Prop. Delay (ns), Limit 555	[Pair 4,5]	375
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	18.1
Insertion Loss Margin (dB)	[Pair 3,6]	16.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	5.5	7.3	8.7	8.6
Freq. (MHz)	291.0	2.6	411.0	500.0
Limit (dB)	32.0	65.0	28.4	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	8.1	9.9	8.3
Freq. (MHz)	291.0	4.0	464.0	500.0
Limit (dB)	29.0	60.5	24.1	23.2

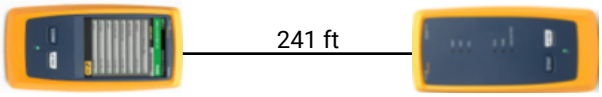
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.8	9.7	10.7	11.4
Freq. (MHz)	376.0	389.0	494.0	492.0
Limit (dB)	11.8	11.5	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.0	10.0	12.1	12.9
Freq. (MHz)	1.4	4.6	500.0	500.0
Limit (dB)	57.5	47.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	7.5	8.7	27.1	26.5
Freq. (MHz)	4.0	2.6	465.0	500.0
Limit (dB)	58.9	61.6	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	9.2	26.4	26.0
Freq. (MHz)	5.4	2.6	464.0	500.0
Limit (dB)	53.7	58.6	-23.2	-26.1

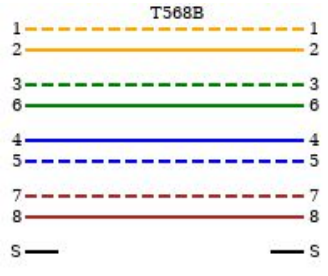
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.8	2.9	7.2	6.2
Freq. (MHz)	7.5	4.8	469.0	491.0
Limit (dB)	19.0	19.0	6.0	6.0

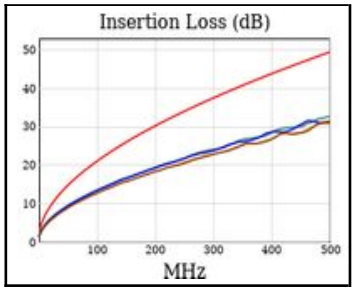
Compliant Network Standards:

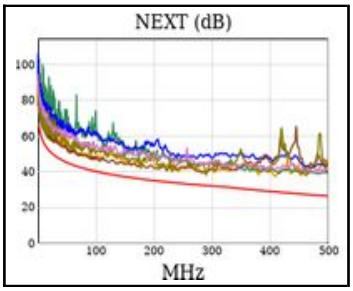
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

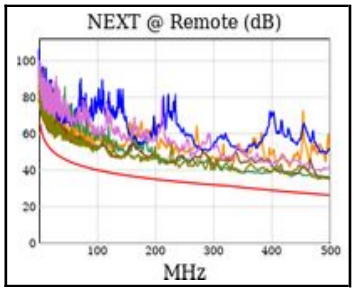


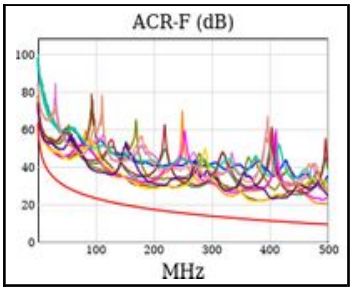
PASS

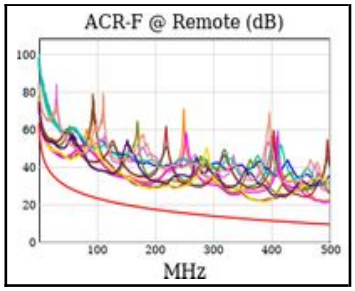


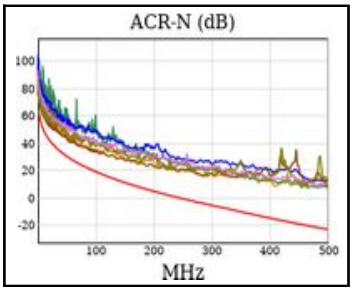


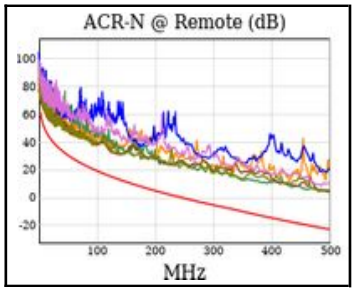


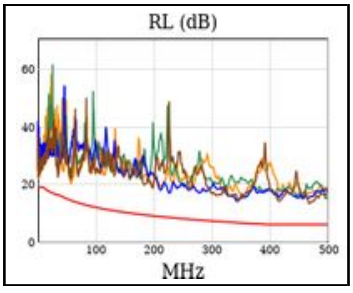


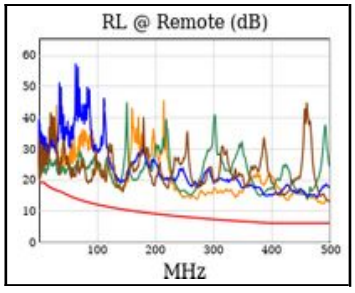












FLUKE networks

LinkWare Live

Cable ID: 112-A

Test Summary: PASS

Date / Time: 11/25/2022 02:32:31 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	191
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.9
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.8	3.2	4.4	8.2
Freq. (MHz)	225.5	229.0	453.0	465.0
Limit (dB)	33.9	33.8	27.3	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	5.3	6.0	9.7
Freq. (MHz)	453.0	229.0	453.0	465.0
Limit (dB)	24.4	30.8	24.4	24.1

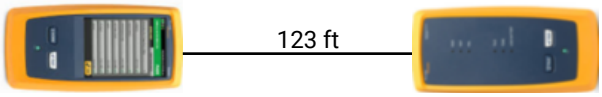
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.6	10.7	10.8
Freq. (MHz)	378.0	384.0	475.0	469.0
Limit (dB)	11.7	11.6	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.1	11.7	10.1
Freq. (MHz)	400.0	403.0	476.0	403.0
Limit (dB)	8.2	8.2	6.7	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-7,8
ACR-N (dB)	10.3	10.0	37.0	40.3
Freq. (MHz)	3.0	3.0	483.0	465.0
Limit (dB)	61.4	61.4	-21.9	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	10.1	39.4	40.9
Freq. (MHz)	3.0	3.0	494.0	465.0
Limit (dB)	58.4	58.4	-25.6	-23.3

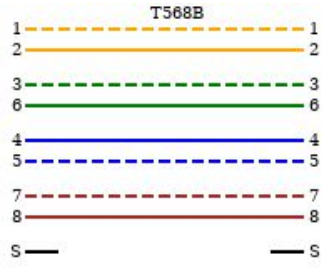
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.5	3.9	6.5	3.9
Freq. (MHz)	489.0	394.0	489.0	394.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

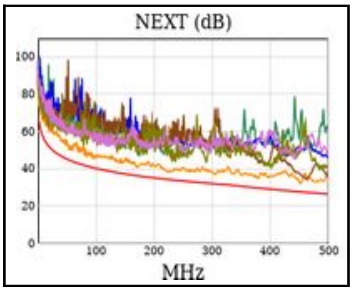
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

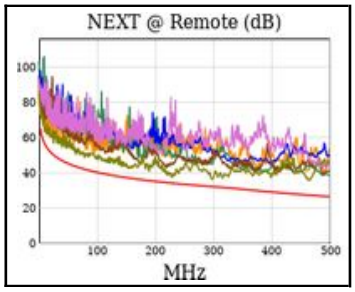


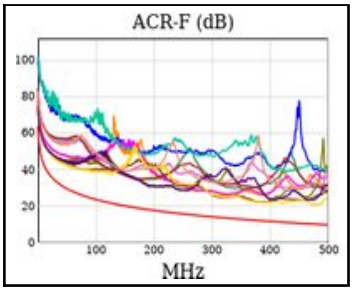
PASS

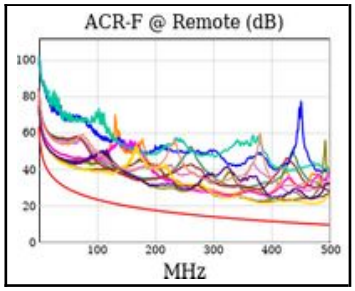


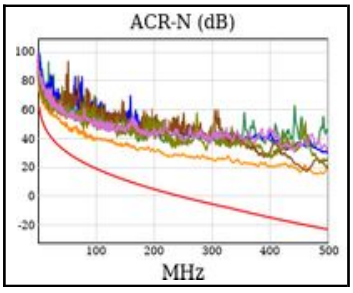


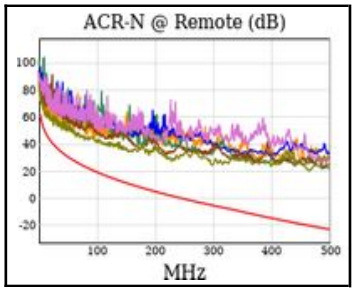


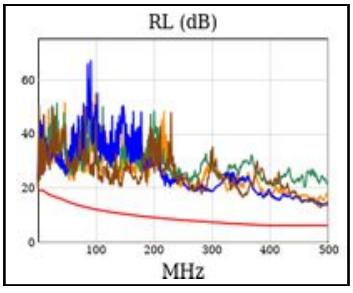


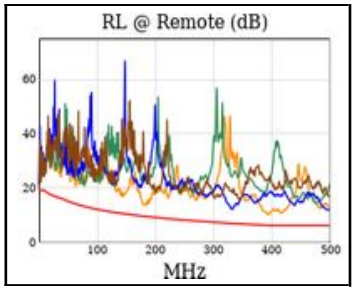












FLUKE networks

LinkWare Live

Cable ID: 112-B

Test Summary: PASS

Date / Time: 11/25/2022 02:37:07 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	124
Prop. Delay (ns), Limit 555	[Pair 3,6]	192
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	30.4
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.0	2.2	4.7	2.2
Freq. (MHz)	237.0	459.0	464.0	459.0
Limit (dB)	33.5	27.1	27.0	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	3.1	7.5	3.2
Freq. (MHz)	237.0	461.0	499.0	464.0
Limit (dB)	30.6	24.2	23.3	24.1

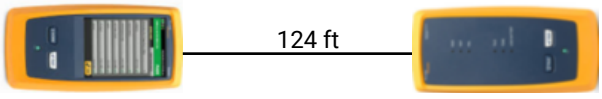
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	9.7	9.7	10.0	10.8
Freq. (MHz)	407.0	315.0	476.0	476.0
Limit (dB)	11.1	13.3	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.1	12.3	11.8
Freq. (MHz)	9.0	6.5	473.0	434.0
Limit (dB)	41.2	44.0	6.8	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	9.4	8.0	35.8	34.2
Freq. (MHz)	2.9	2.9	476.0	464.0
Limit (dB)	61.4	61.4	-21.3	-20.4
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-N (dB)	11.1	9.5	38.8	35.7
Freq. (MHz)	2.9	5.4	499.0	490.0
Limit (dB)	58.4	53.7	-26.0	-25.3

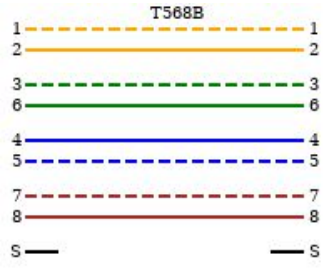
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.5	4.2	5.5	4.2
Freq. (MHz)	493.0	417.0	493.0	417.0
Limit (dB)	6.0	6.0	6.0	6.0

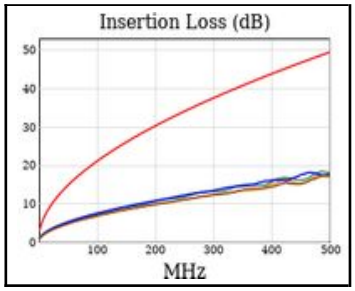
Compliant Network Standards:

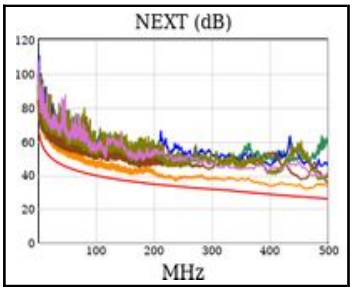
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

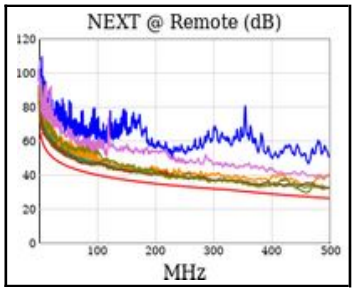


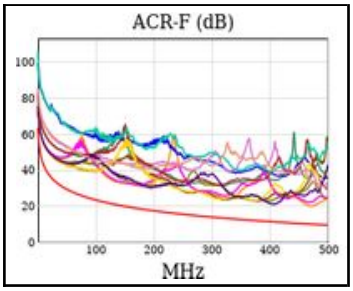
PASS

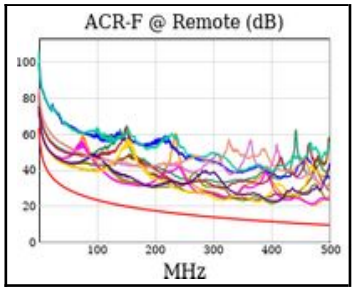


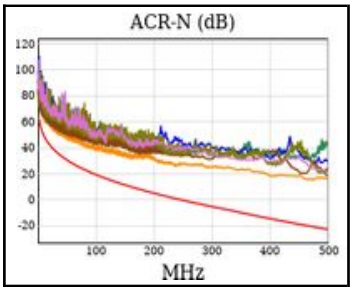


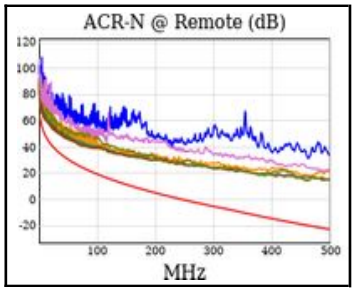


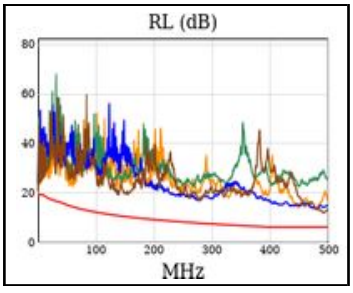


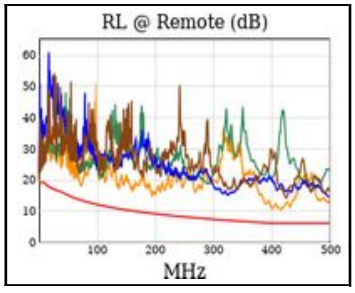












FLUKE networks

LinkWare Live

Cable ID: 113-1-A

Test Summary: PASS

Date / Time: 12/03/2022 02:46:54 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 3,6]	192
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	4.1	4.2	4.1	7.4
Freq. (MHz)	499.0	46.0	499.0	491.0
Limit (dB)	26.1	45.6	26.1	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	4.2	5.7	6.2
Freq. (MHz)	373.0	162.5	500.0	396.0
Limit (dB)	26.6	33.4	23.2	25.9

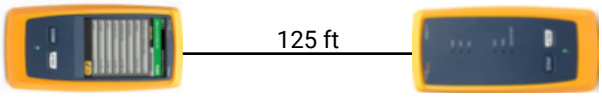
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.8	10.4	10.1
Freq. (MHz)	384.0	384.0	442.0	439.0
Limit (dB)	11.6	11.6	10.3	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.8	11.9	12.2
Freq. (MHz)	414.0	5.8	428.0	437.0
Limit (dB)	7.9	45.1	7.6	7.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	10.2	9.5	35.9	39.1
Freq. (MHz)	8.4	8.4	499.0	488.0
Limit (dB)	51.9	51.9	-23.1	-22.3
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	11.1	9.6	37.2	42.2
Freq. (MHz)	3.3	5.3	500.0	500.0
Limit (dB)	58.2	53.9	-26.1	-26.1

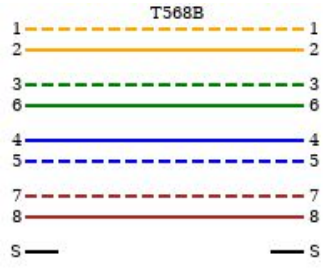
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	2.7	4.3	4.9	5.5
Freq. (MHz)	117.5	117.5	494.0	488.0
Limit (dB)	11.3	11.3	6.0	6.0

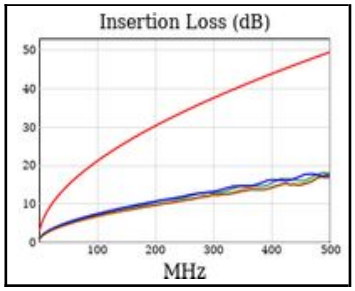
Compliant Network Standards:

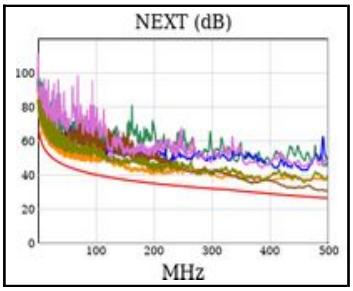
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

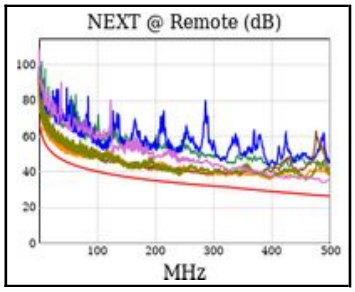


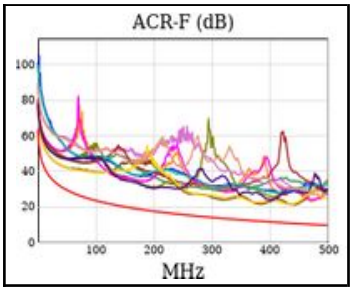
PASS

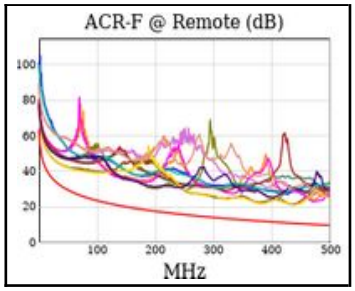


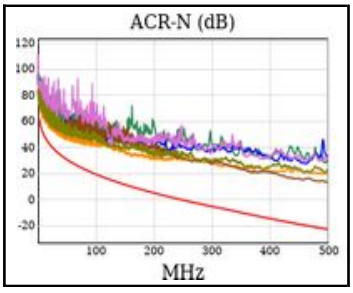


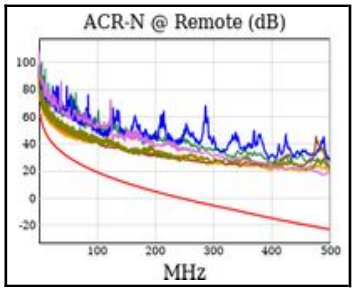


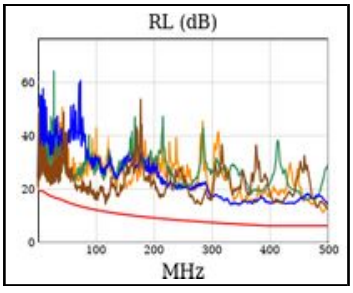


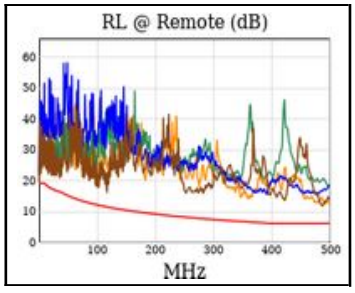












FLUKE networks

LinkWare Live

Cable ID: 113-1-B

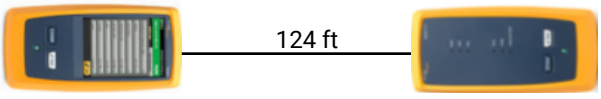
Test Summary: PASS

Date / Time: 12/03/2022 02:47:35 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

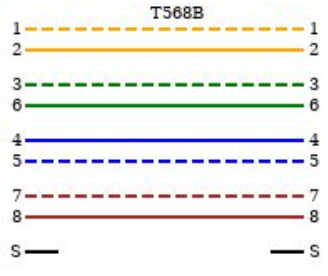
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

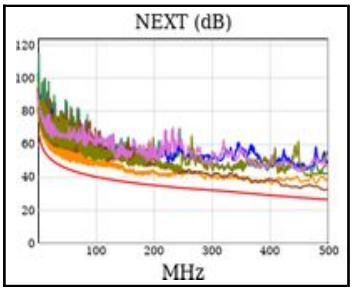
Length (ft), Limit 328	[Pair 1,2]	124
Prop. Delay (ns), Limit 555	[Pair 3,6]	193
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

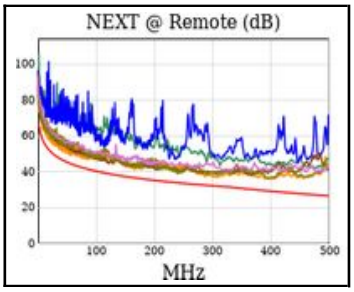


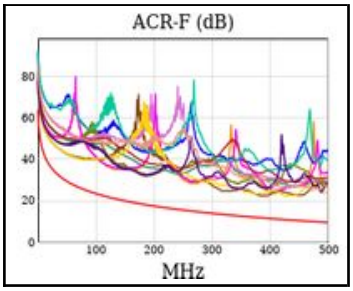
PASS

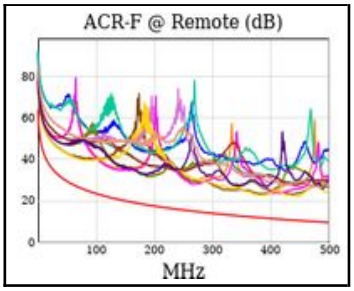


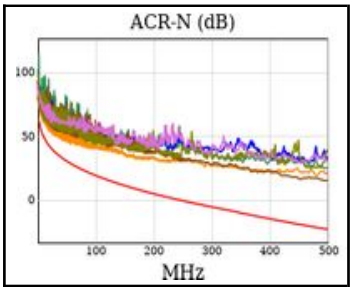


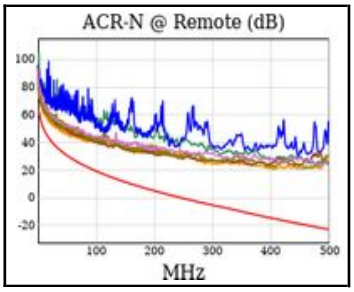


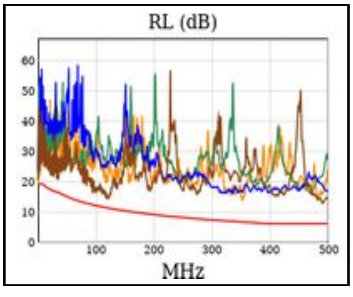


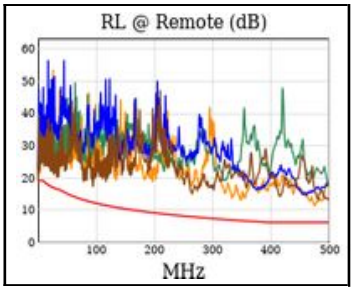












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.5	4.4	5.5	6.0
Freq. (MHz)	57.5	167.0	495.0	390.0
Limit (dB)	44.0	36.1	26.2	29.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	4.0	7.4	5.5
Freq. (MHz)	57.5	166.5	497.0	396.0
Limit (dB)	41.2	33.2	23.3	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.6	10.7	11.4	11.6
Freq. (MHz)	388.0	380.0	429.0	449.0
Limit (dB)	11.5	11.7	10.6	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.0	11.5	11.0
Freq. (MHz)	402.0	404.0	402.0	404.0
Limit (dB)	8.2	8.1	8.2	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.8	9.6	37.9	35.3
Freq. (MHz)	5.8	5.8	500.0	407.0
Limit (dB)	55.6	55.6	-23.2	-15.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.1	39.1	35.2
Freq. (MHz)	3.3	5.4	497.0	408.0
Limit (dB)	58.2	53.7	-25.8	-18.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	2.9	3.5	6.4	5.1
Freq. (MHz)	120.5	33.5	491.0	476.0
Limit (dB)	11.2	16.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-2-B

Test Summary: PASS

Date / Time: 12/04/2022 11:36:38 AM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	150
Prop. Delay (ns), Limit 555	[Pair 4,5]	237
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.6	4.0	8.7	4.7
Freq. (MHz)	80.3	30.6	460.0	496.0
Limit (dB)	41.5	48.6	27.1	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.8	5.6	7.9	5.9
Freq. (MHz)	77.8	30.9	458.0	495.0
Limit (dB)	39.0	45.8	24.2	23.3

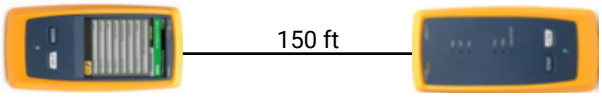
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.1	9.7	10.5
Freq. (MHz)	422.0	383.0	422.0	422.0
Limit (dB)	10.8	11.6	10.8	10.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.6	12.1	11.5
Freq. (MHz)	5.1	7.0	474.0	474.0
Limit (dB)	46.1	43.4	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.1	7.6	39.3	34.1
Freq. (MHz)	4.6	4.5	500.0	496.0
Limit (dB)	57.6	57.8	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	9.4	39.0	35.2
Freq. (MHz)	4.4	4.5	498.0	496.0
Limit (dB)	55.6	55.3	-25.9	-25.8

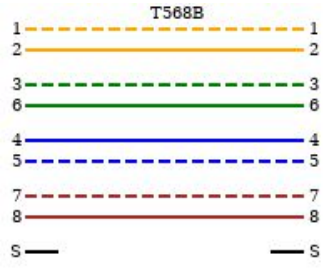
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.1	3.2	3.1	6.5
Freq. (MHz)	496.0	14.4	496.0	477.0
Limit (dB)	6.0	18.2	6.0	6.0

Compliant Network Standards:

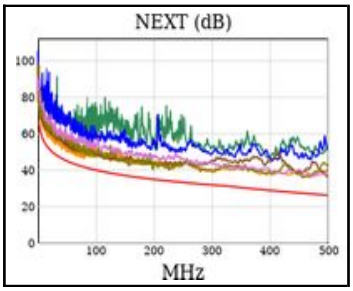
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

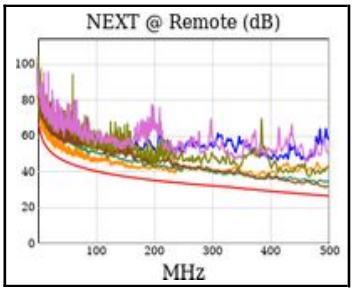


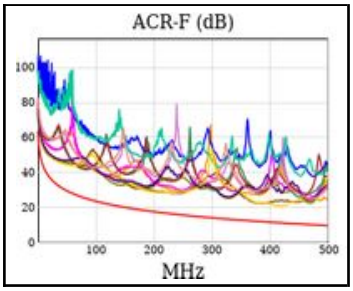
PASS

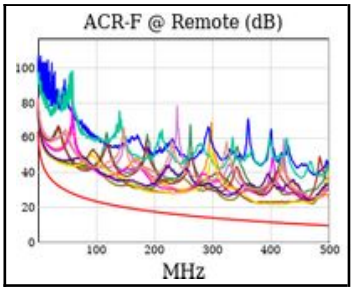


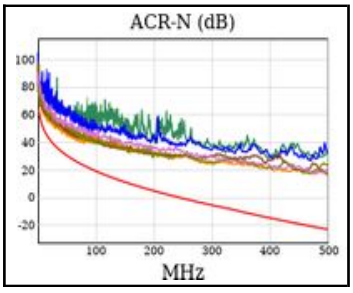


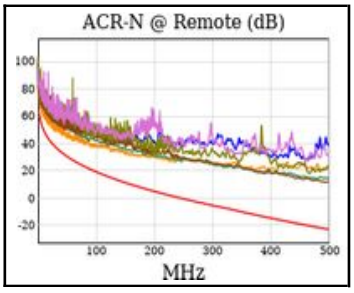


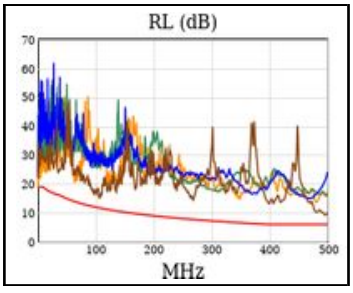


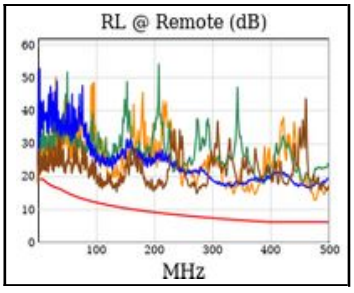












FLUKE networks

LinkWare Live

Cable ID: 112-A

Test Summary: PASS

Date / Time: 11/21/2022 02:24:21 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	114
Prop. Delay (ns), Limit 555	[Pair 3,6]	177
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	31.9
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	6.1	3.1	7.3	5.6
Freq. (MHz)	155.0	231.0	465.0	465.0
Limit (dB)	36.7	33.7	27.0	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.5	5.5	10.1	7.5
Freq. (MHz)	155.5	231.0	500.0	500.0
Limit (dB)	33.8	30.8	23.2	23.2

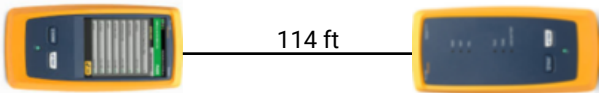
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.9	10.3	10.9	10.3
Freq. (MHz)	498.0	498.0	498.0	498.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	12.3	12.1	12.7
Freq. (MHz)	481.0	1.0	500.0	498.0
Limit (dB)	6.6	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	12.9	41.9	38.8
Freq. (MHz)	2.9	3.0	500.0	500.0
Limit (dB)	61.4	61.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	12.0	42.2	39.6
Freq. (MHz)	3.0	3.3	500.0	500.0
Limit (dB)	58.4	58.2	-26.1	-26.1

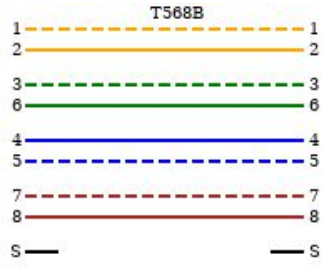
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	7.1	6.4	7.3	6.4
Freq. (MHz)	232.0	484.0	481.0	484.0
Limit (dB)	8.3	6.0	6.0	6.0

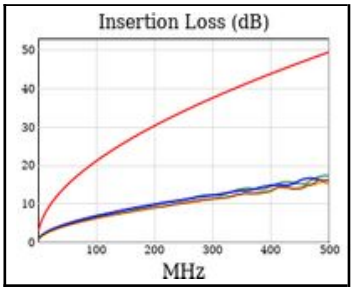
Compliant Network Standards:

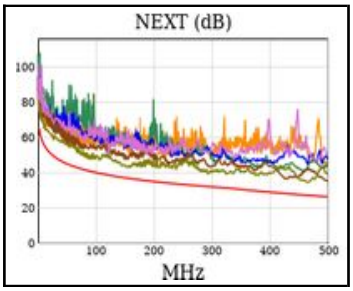
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

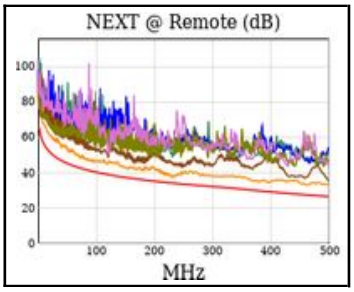


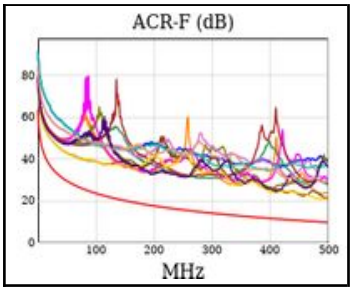
PASS

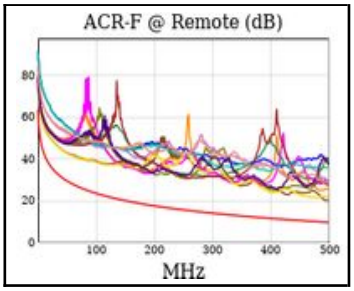


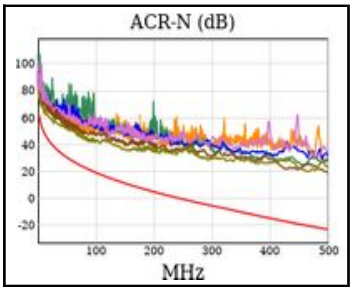


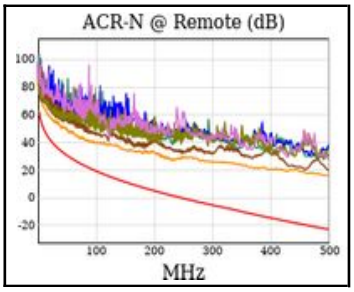


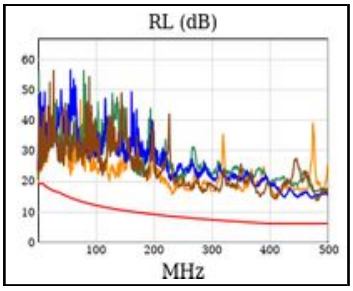


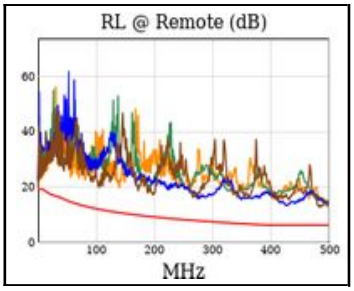












FLUKE networks

LinkWare Live

Cable ID: 112-B

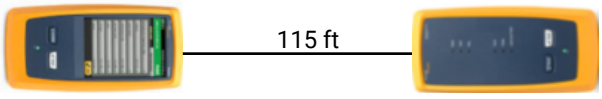
Test Summary: PASS

Date / Time: 11/21/2022 02:24:52 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

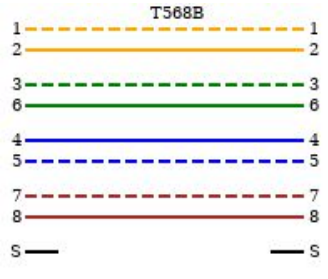
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

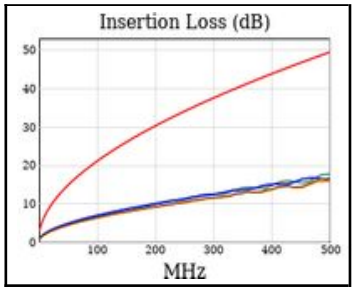
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

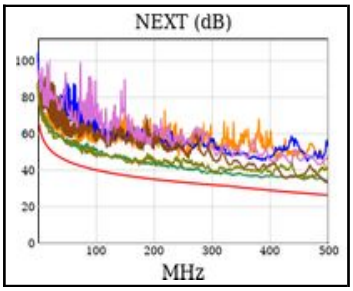
Length (ft), Limit 328	[Pair 1,2]	115
Prop. Delay (ns), Limit 555	[Pair 3,6]	177
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

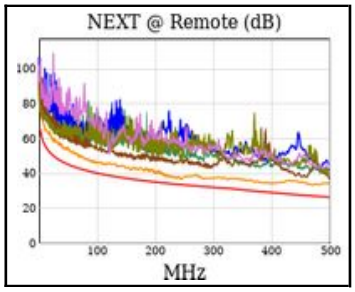


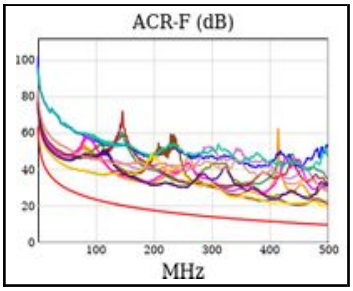
PASS

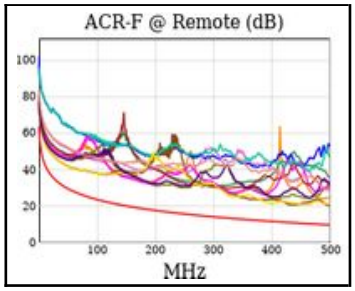


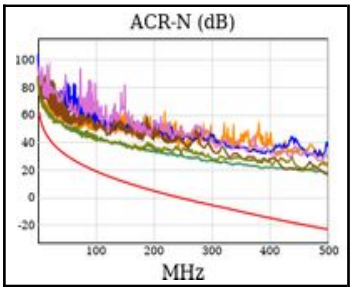


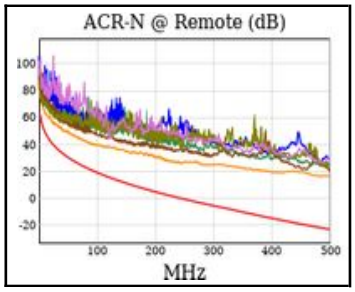


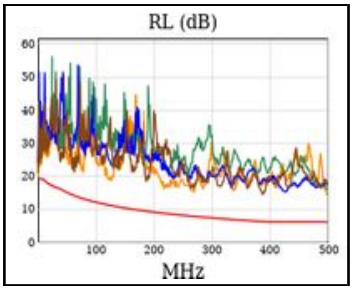


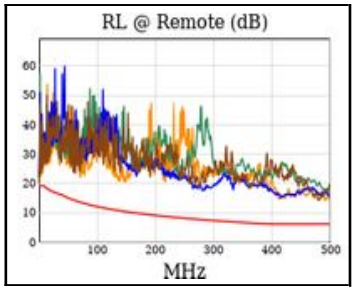












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.7	2.9	6.6	6.2
Freq. (MHz)	284.0	245.5	499.0	472.0
Limit (dB)	32.2	33.3	26.1	26.8
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.9	5.2	6.9	8.1
Freq. (MHz)	499.0	245.5	499.0	500.0
Limit (dB)	23.3	30.3	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	9.7	10.1	10.2
Freq. (MHz)	449.0	431.0	500.0	500.0
Limit (dB)	10.2	10.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	11.1	12.5
Freq. (MHz)	402.0	1.0	500.0	500.0
Limit (dB)	8.2	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.4	13.2	39.4	37.9
Freq. (MHz)	3.0	3.1	499.0	483.0
Limit (dB)	61.4	61.1	-23.1	-21.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.7	12.1	39.9	39.8
Freq. (MHz)	3.1	3.1	500.0	500.0
Limit (dB)	58.3	58.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.0	7.8	8.2	7.8
Freq. (MHz)	270.0	493.0	500.0	493.0
Limit (dB)	7.7	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

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Cable ID: 112-A

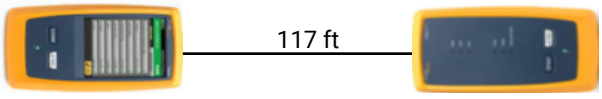
Test Summary: PASS

Date / Time: 12/22/2022 12:21:53 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

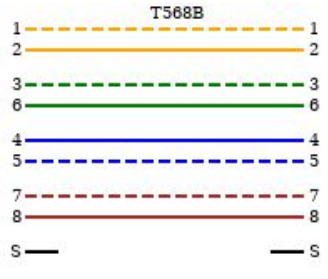
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

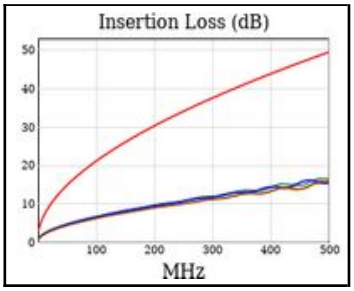
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

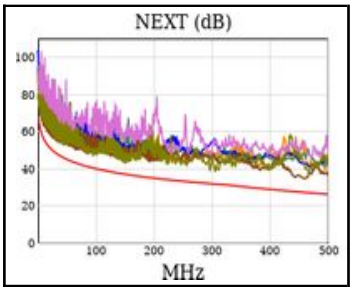
Length (ft), Limit 328	[Pair 7,8]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	182
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	32.3
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

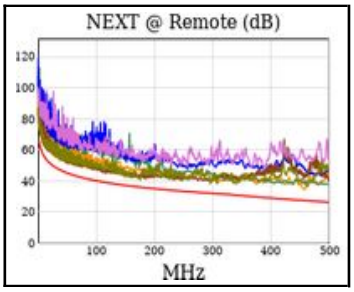


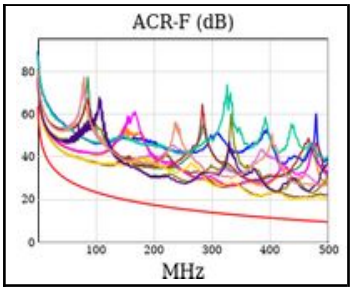
PASS

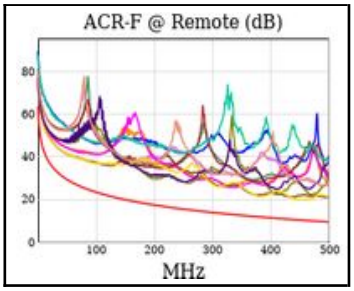


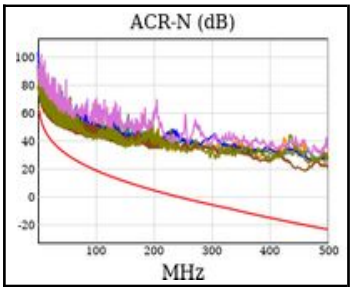


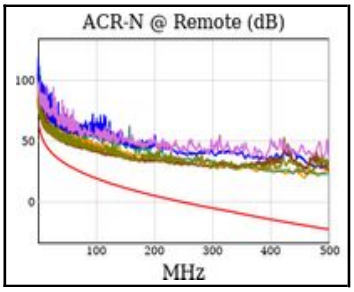


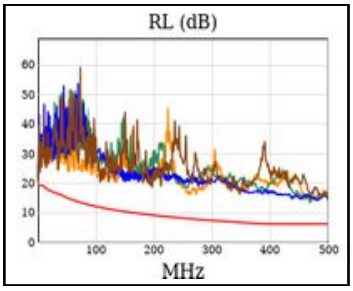


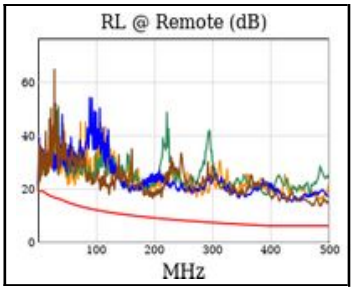












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.7	4.8	7.3	6.8
Freq. (MHz)	151.5	176.5	463.0	459.0
Limit (dB)	36.9	35.7	27.0	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	4.9	8.8	8.0
Freq. (MHz)	86.5	175.5	466.0	459.0
Limit (dB)	38.2	32.8	24.0	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.4	9.8	9.4
Freq. (MHz)	380.0	456.0	445.0	456.0
Limit (dB)	11.7	10.1	10.3	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.7	11.7	11.7
Freq. (MHz)	1.0	1.0	468.0	470.0
Limit (dB)	60.3	60.3	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.3	10.4	38.7	38.9
Freq. (MHz)	4.3	4.9	463.0	459.0
Limit (dB)	58.3	57.1	-20.3	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	11.3	40.8	40.1
Freq. (MHz)	4.0	5.4	466.0	459.0
Limit (dB)	56.4	53.7	-23.4	-22.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	1,2	3,6	7,8
RL (dB)	7.3	6.5	7.3	7.4
Freq. (MHz)	470.0	52.0	470.0	488.0
Limit (dB)	6.0	14.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

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Cable ID: 112-B

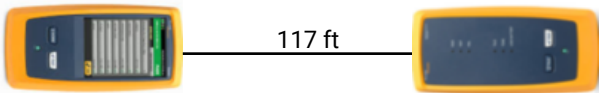
Test Summary: PASS

Date / Time: 12/22/2022 12:22:10 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

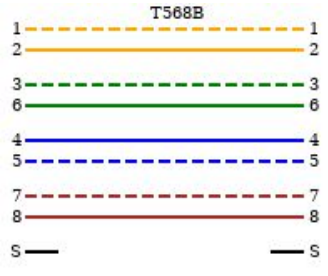
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	183
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	32.2
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	5.2	5.9	8.6	6.4
Freq. (MHz)	321.0	174.5	495.0	387.0
Limit (dB)	31.2	35.8	26.2	29.1
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	7.4	4.9	8.4	10.2
Freq. (MHz)	321.0	174.5	495.0	500.0
Limit (dB)	28.2	32.9	23.3	23.2

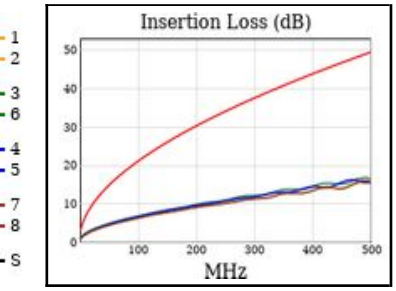
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.3	9.4	10.2	9.7
Freq. (MHz)	379.0	379.0	468.0	457.0
Limit (dB)	11.7	11.7	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.5	11.5	11.4
Freq. (MHz)	398.0	405.0	462.0	475.0
Limit (dB)	8.3	8.1	7.0	6.7

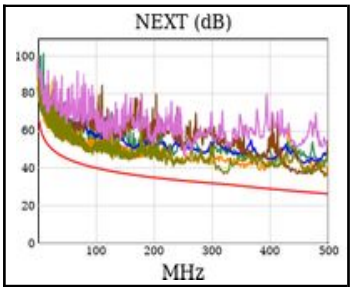
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	12.7	11.7	40.9	42.5
Freq. (MHz)	3.0	2.6	495.0	500.0
Limit (dB)	61.4	61.6	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.6	40.7	43.2
Freq. (MHz)	3.1	3.0	495.0	500.0
Limit (dB)	58.3	58.4	-25.7	-26.1

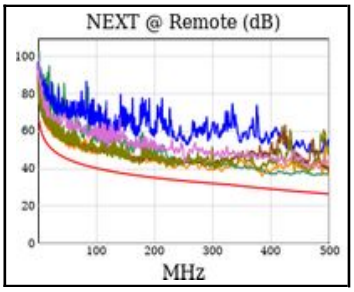
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	7,8
RL (dB)	6.7	4.7	7.6	6.8
Freq. (MHz)	106.5	63.8	470.0	483.0
Limit (dB)	11.7	14.0	6.0	6.0

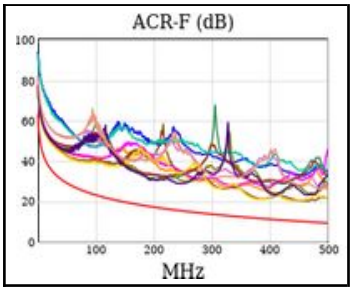
Compliant Network Standards:

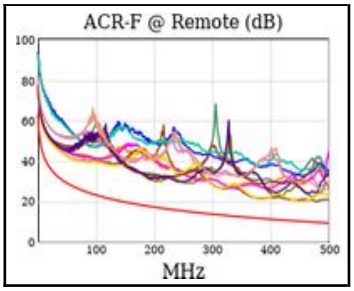
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

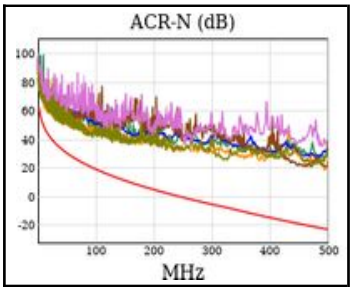


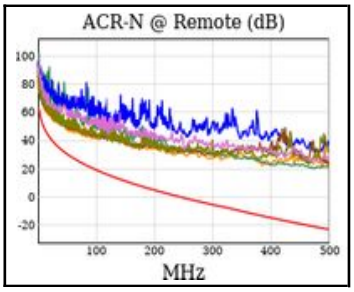


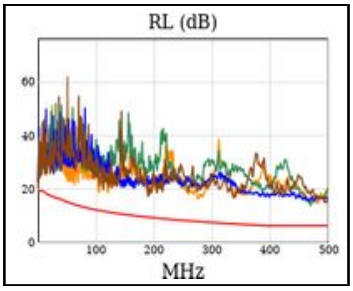


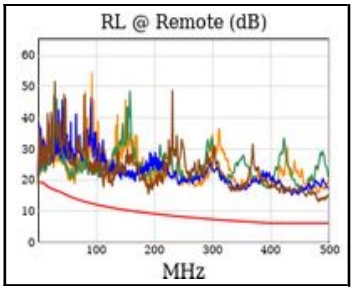












FLUKE networks

LinkWare Live

Cable ID: 112-A

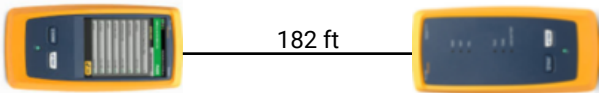
Test Summary: PASS

Date / Time: 12/10/2022 04:03:50 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

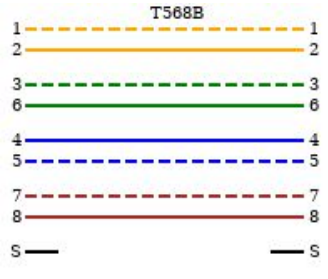
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

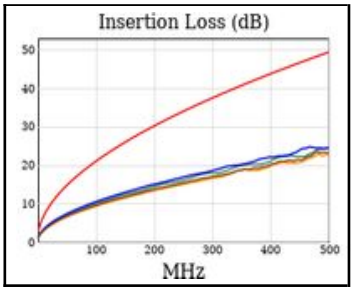
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

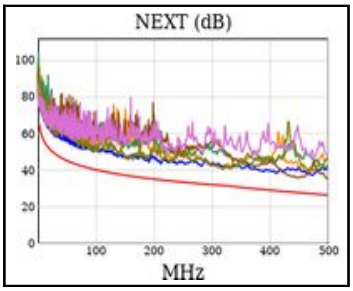
Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	289
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.3
Insertion Loss Margin (dB)	[Pair 4,5]	23.0
Frequency (MHz)	[Pair 4,5]	470.0
Limit (dB)	[Pair 4,5]	47.7

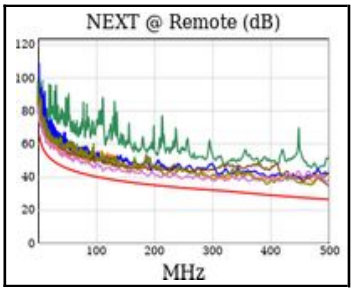


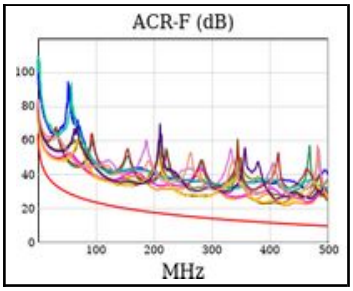
PASS

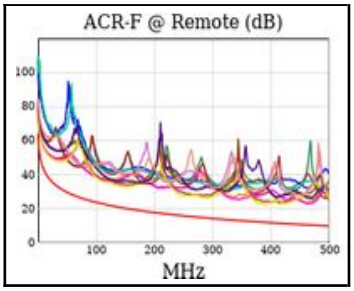


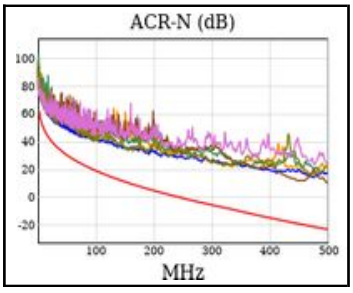


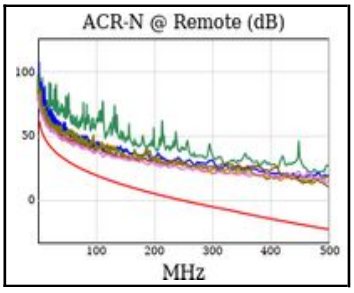


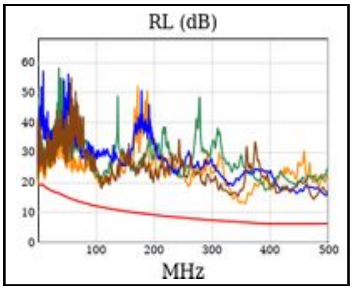


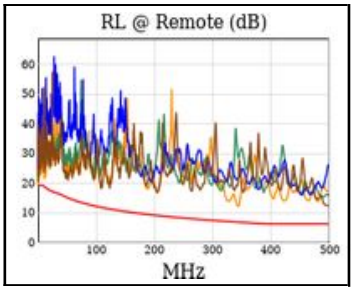












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	8.1	4.1	8.9	8.6
Freq. (MHz)	448.0	112.5	499.0	500.0
Limit (dB)	27.4	39.1	26.1	26.1
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	8.5	5.3	9.3	8.2
Freq. (MHz)	320.0	158.5	462.0	472.0
Limit (dB)	28.3	33.6	24.1	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.8	10.5	10.8	10.6
Freq. (MHz)	425.0	389.0	425.0	393.0
Limit (dB)	10.7	11.5	10.7	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	12.0	10.6	13.1
Freq. (MHz)	426.0	5.8	426.0	467.0
Limit (dB)	7.7	45.1	7.7	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	11.5	9.9	33.6	33.3
Freq. (MHz)	3.1	3.1	499.0	500.0
Limit (dB)	61.1	61.1	-23.1	-23.2
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-N (dB)	12.1	9.9	35.5	34.2
Freq. (MHz)	3.3	3.3	499.0	499.0
Limit (dB)	58.2	58.2	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	2.4	2.7	6.2	5.4
Freq. (MHz)	12.0	12.1	358.0	346.0
Limit (dB)	18.6	18.6	6.5	6.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-B

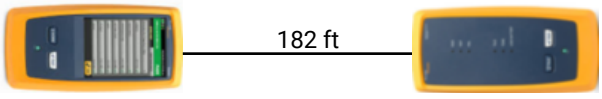
Test Summary: PASS

Date / Time: 12/10/2022 04:04:44 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

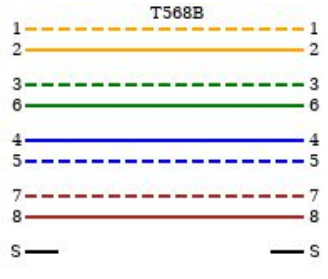
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

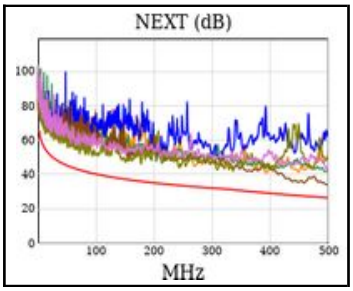
Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	288
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

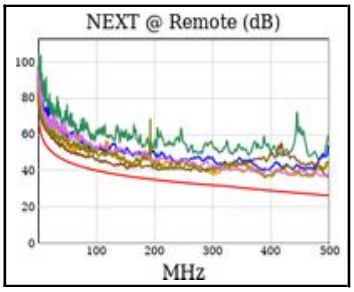


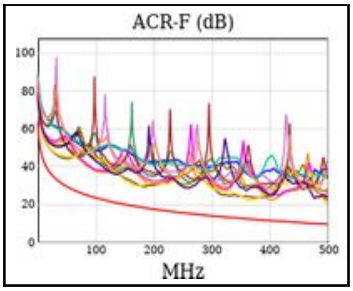
PASS

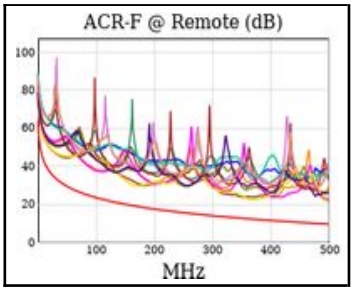


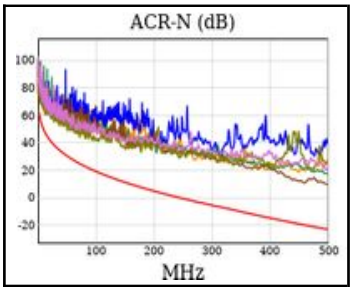


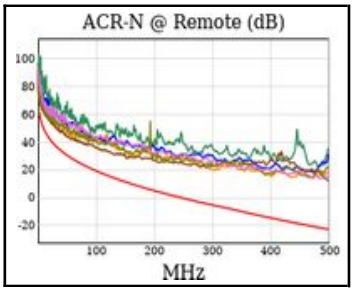


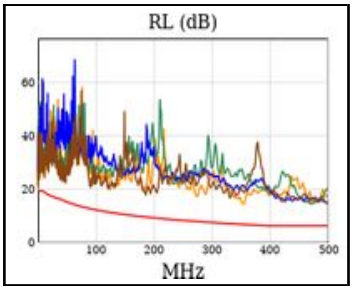


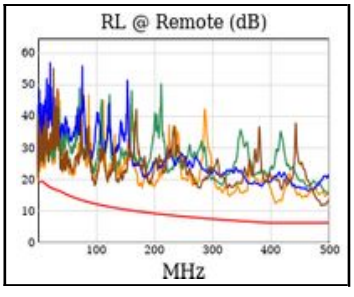












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.5	4.0	7.5	6.9
Freq. (MHz)	500.0	154.0	500.0	392.0
Limit (dB)	26.1	36.7	26.1	29.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.8	4.4	9.3	7.0
Freq. (MHz)	3.6	154.0	499.0	392.0
Limit (dB)	61.2	33.8	23.3	26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.9	10.7	11.3
Freq. (MHz)	364.0	366.0	500.0	500.0
Limit (dB)	12.0	12.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.3	11.7	11.7
Freq. (MHz)	403.0	403.0	499.0	500.0
Limit (dB)	8.2	8.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	10.5	8.2	32.5	35.1
Freq. (MHz)	3.6	3.4	500.0	499.0
Limit (dB)	59.8	60.4	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.9	9.1	34.5	35.7
Freq. (MHz)	3.6	3.4	500.0	499.0
Limit (dB)	57.3	57.9	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.2	4.7	7.6	5.4
Freq. (MHz)	12.1	12.1	356.0	489.0
Limit (dB)	18.6	18.6	6.5	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-A

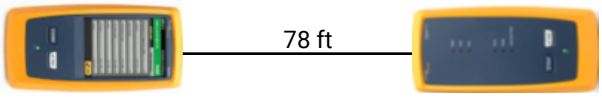
Test Summary: PASS

Date / Time: 11/19/2022 05:24:54 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

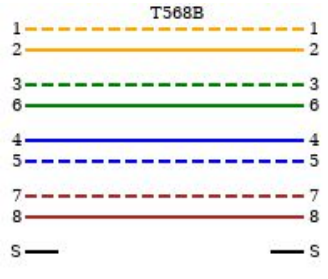
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

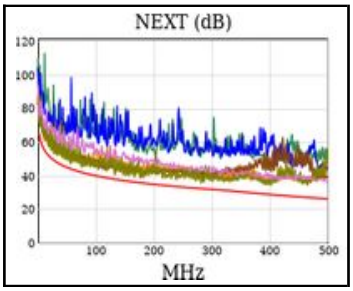
Length (ft), Limit 328	[Pair 1,2]	78
Prop. Delay (ns), Limit 555	[Pair 4,5]	124
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	3.6
Insertion Loss Margin (dB)	[Pair 3,6]	37.0
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

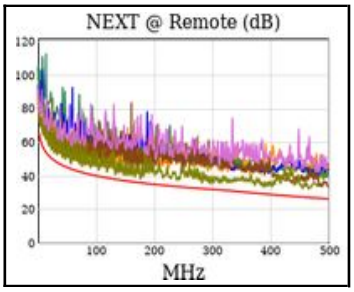


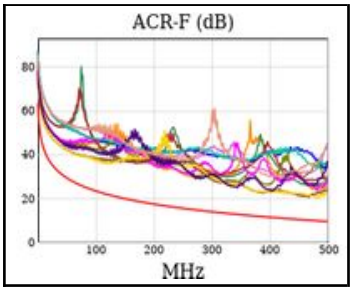
PASS

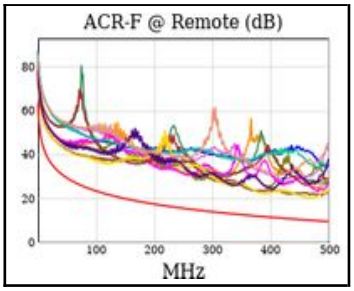


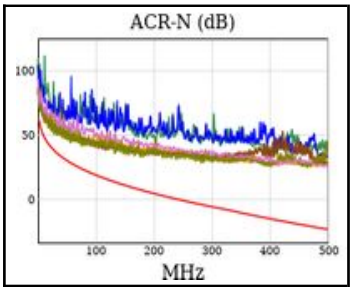


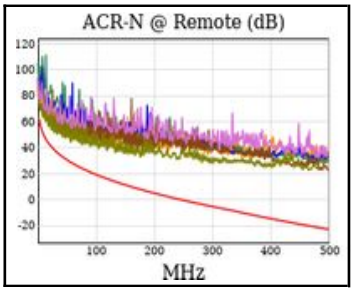


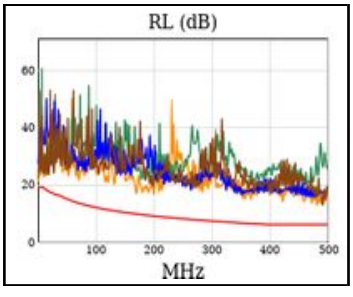


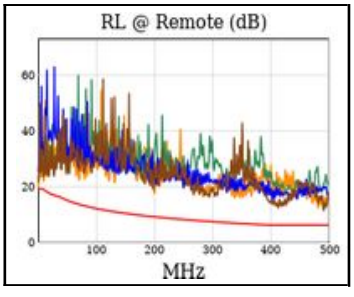












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	2.7	2.1	5.3	4.9
Freq. (MHz)	133.5	177.0	403.0	466.0
Limit (dB)	37.8	35.7	28.6	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	4.5	6.5	6.5
Freq. (MHz)	177.0	177.0	403.0	466.0
Limit (dB)	32.8	32.8	25.7	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	9.9	10.3	9.9
Freq. (MHz)	480.0	464.0	480.0	464.0
Limit (dB)	9.6	9.9	9.6	9.9
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.1	11.6	11.1	11.6
Freq. (MHz)	481.0	464.0	481.0	464.0
Limit (dB)	6.6	6.9	6.6	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	10.7	11.1	45.1	42.6
Freq. (MHz)	4.3	4.5	466.0	466.0
Limit (dB)	58.3	57.8	-20.5	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.4	46.1	45.2
Freq. (MHz)	4.3	4.4	481.0	489.0
Limit (dB)	55.8	55.6	-24.6	-25.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.5	5.0	6.5	5.0
Freq. (MHz)	482.0	492.0	482.0	492.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-B

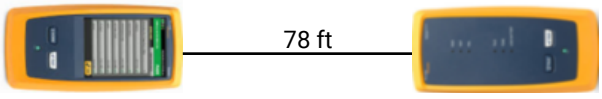
Test Summary: PASS

Date / Time: 11/19/2022 05:25:23 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

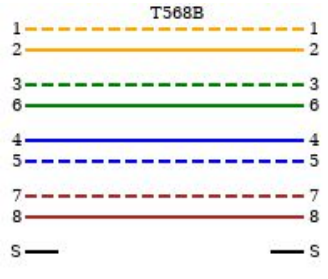
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

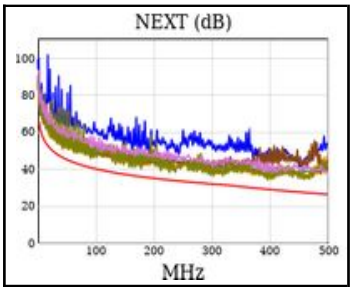
Length (ft), Limit 328	[Pair 1,2]	78
Prop. Delay (ns), Limit 555	[Pair 4,5]	123
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	3.7
Insertion Loss Margin (dB)	[Pair 3,6]	37.0
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

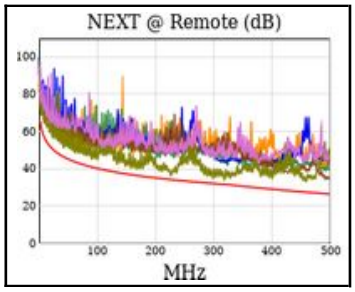


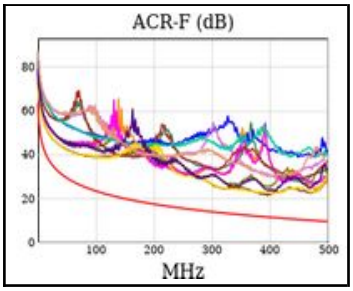
PASS

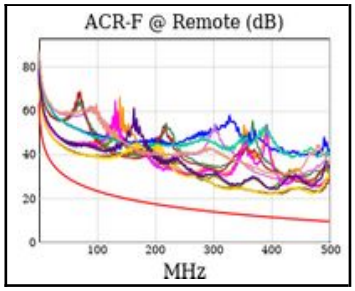


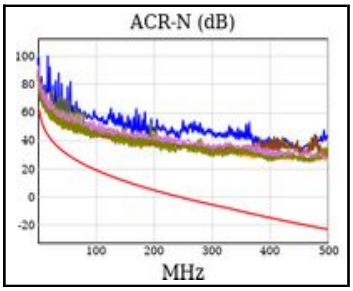


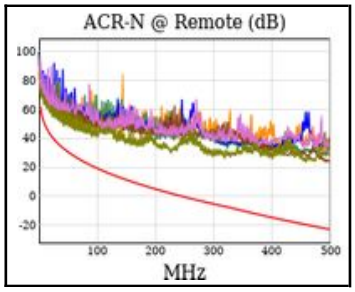


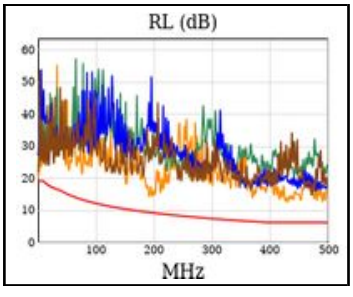


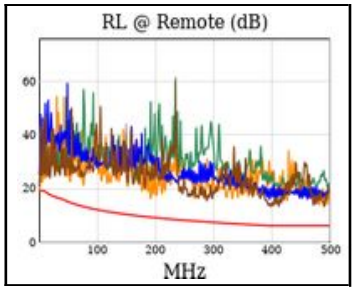












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.0	2.1	5.0	5.3
Freq. (MHz)	227.5	227.5	397.0	460.0
Limit (dB)	33.8	33.8	28.8	27.1
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	4.2	4.5	6.0	7.1
Freq. (MHz)	164.0	320.0	406.0	460.0
Limit (dB)	33.4	28.3	25.6	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	10.1	9.8	10.1
Freq. (MHz)	396.0	392.0	396.0	392.0
Limit (dB)	11.3	11.4	11.3	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.5	12.4	11.6
Freq. (MHz)	412.0	326.0	477.0	402.0
Limit (dB)	8.0	10.0	6.7	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	10.7	10.6	45.0	43.0
Freq. (MHz)	4.4	5.0	469.0	460.0
Limit (dB)	58.1	56.9	-20.8	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	10.2	45.0	46.8
Freq. (MHz)	4.5	4.4	465.0	499.0
Limit (dB)	55.3	55.6	-23.3	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.9	6.9	6.3	6.9
Freq. (MHz)	193.0	192.5	432.0	491.0
Limit (dB)	9.1	9.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-2-B

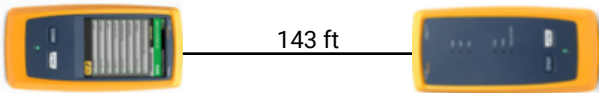
Test Summary: PASS

Date / Time: 11/25/2022 04:45:15 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

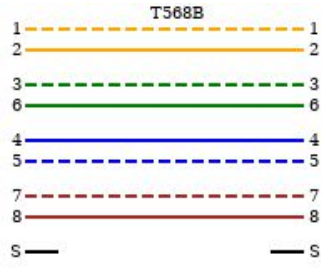
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

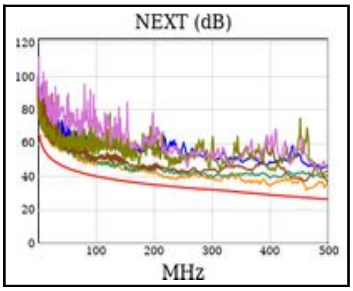
Length (ft), Limit 328	[Pair 7,8]	143
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

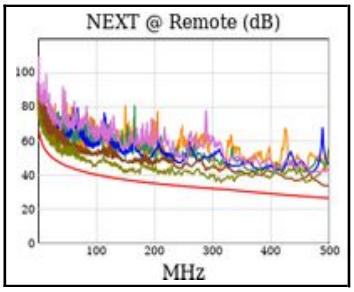


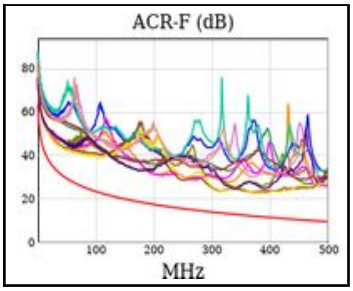
PASS

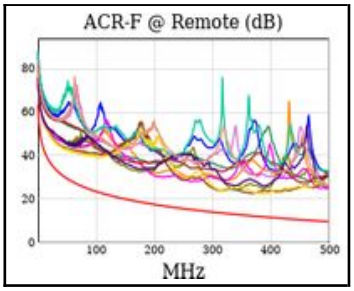


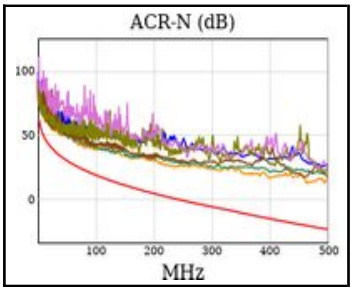


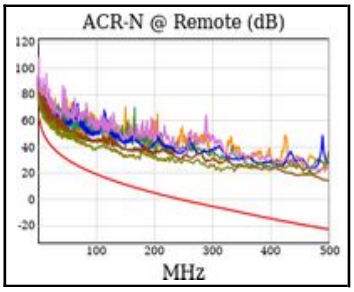


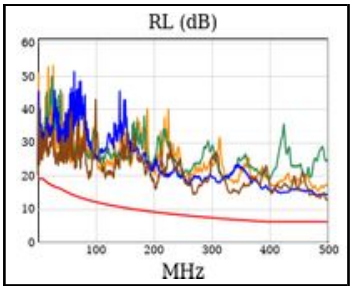


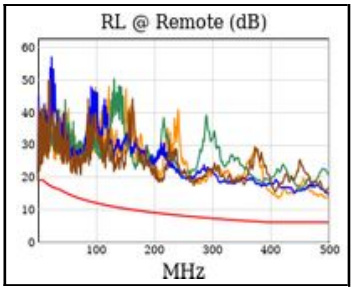












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	3.7	4.4	7.1
Freq. (MHz)	465.0	315.0	465.0	498.0
Limit (dB)	27.0	31.4	27.0	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.9	5.6	6.3	9.2
Freq. (MHz)	236.5	315.0	464.0	495.0
Limit (dB)	30.6	28.4	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.3	11.0	10.6
Freq. (MHz)	315.0	315.0	395.0	392.0
Limit (dB)	13.3	13.3	11.3	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.7	11.6	11.5
Freq. (MHz)	5.6	7.8	392.0	371.0
Limit (dB)	45.3	42.5	8.4	8.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	11.9	9.4	35.3	37.3
Freq. (MHz)	4.6	4.4	495.0	500.0
Limit (dB)	57.6	58.1	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	8.3	36.9	38.0
Freq. (MHz)	4.6	4.5	495.0	495.0
Limit (dB)	55.1	55.3	-25.7	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.3	6.8	6.6	7.3
Freq. (MHz)	269.0	59.8	499.0	415.0
Limit (dB)	7.7	14.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-3-A

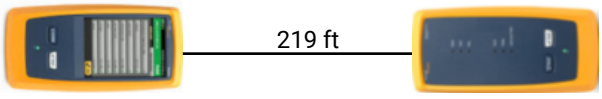
Test Summary: PASS

Date / Time: 11/25/2022 04:53:18 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

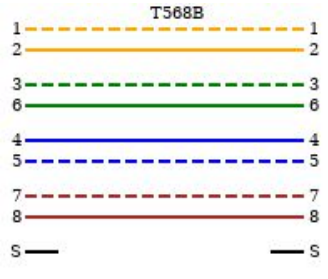
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

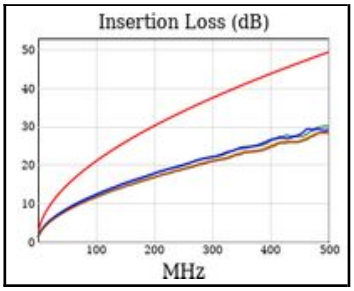
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

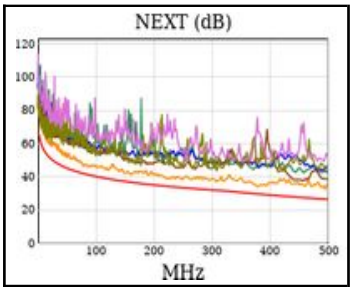
Length (ft), Limit 328	[Pair 7,8]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	340
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	19.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

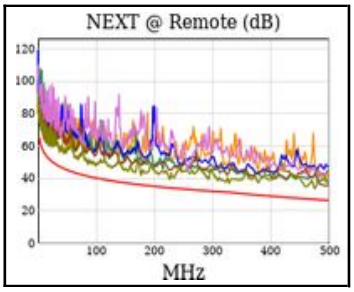


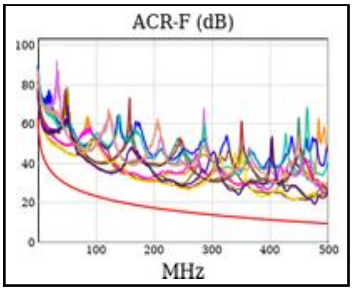
PASS

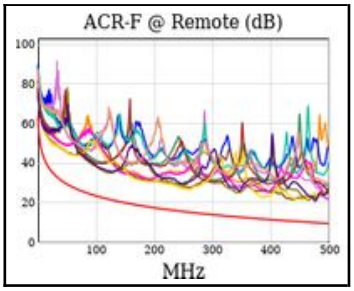


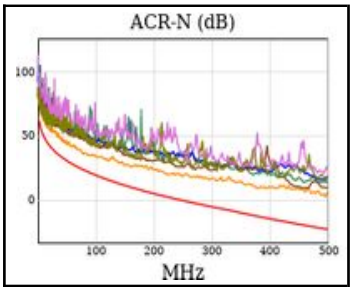


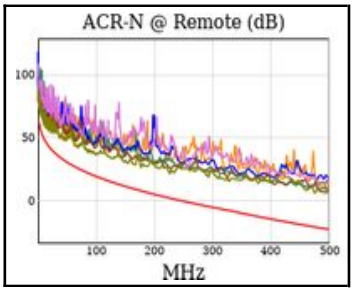


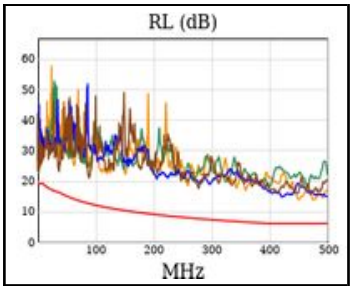


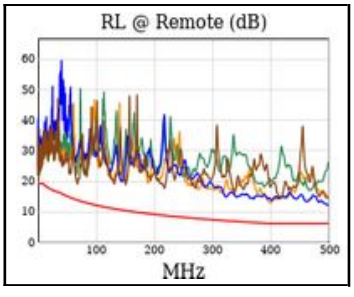












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.2	5.0	5.7	6.7
Freq. (MHz)	380.0	227.5	496.0	477.0
Limit (dB)	29.3	33.8	26.2	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	6.8	7.5	9.1
Freq. (MHz)	249.5	227.5	496.0	496.0
Limit (dB)	30.2	30.9	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-7,8
ACR-F (dB)	9.4	10.9	9.4	10.9
Freq. (MHz)	479.0	388.0	479.0	477.0
Limit (dB)	9.7	11.5	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.9	10.9	12.4
Freq. (MHz)	479.0	465.0	479.0	498.0
Limit (dB)	6.7	6.9	6.7	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	10.6	10.3	24.7	27.0
Freq. (MHz)	5.8	10.6	496.0	477.0
Limit (dB)	55.6	49.5	-22.9	-21.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	10.6	26.5	28.1
Freq. (MHz)	6.0	5.9	496.0	496.0
Limit (dB)	52.6	52.8	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	4,5
RL (dB)	6.8	5.3	7.7	6.1
Freq. (MHz)	37.3	68.8	475.0	500.0
Limit (dB)	16.1	13.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-3-B

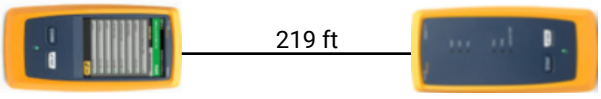
Test Summary: PASS

Date / Time: 11/25/2022 04:53:40 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

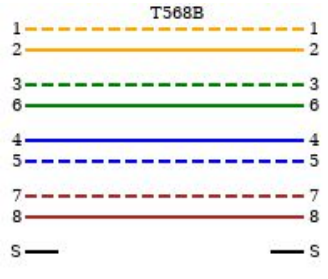
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	341
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	13.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.8
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

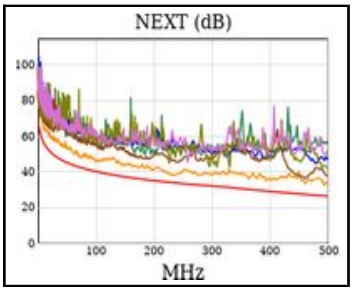


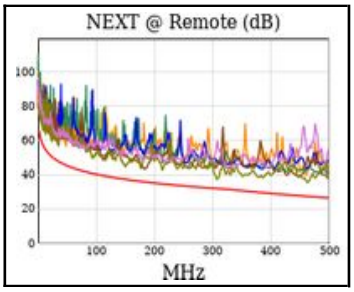
PASS



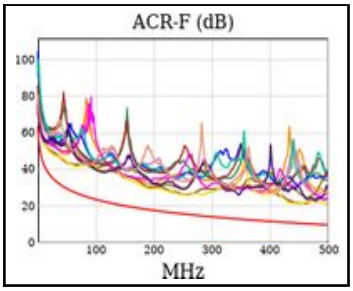


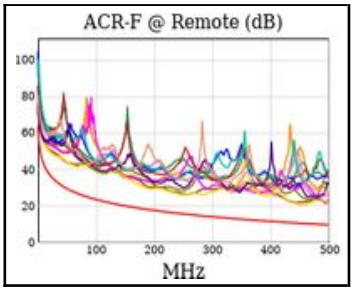
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.0	5.1	5.7	8.0
Freq. (MHz)	230.5	308.0	495.0	464.0
Limit (dB)	33.7	31.5	26.2	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	6.6	7.5	9.7
Freq. (MHz)	227.5	308.0	495.0	464.0
Limit (dB)	30.9	28.6	23.3	24.1



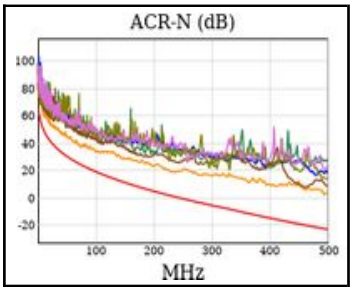


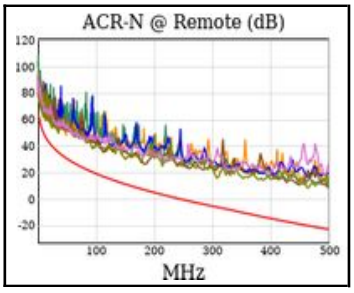
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	10.1	11.2	10.1
Freq. (MHz)	436.0	457.0	497.0	457.0
Limit (dB)	10.5	10.1	9.3	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.8	12.1	12.0
Freq. (MHz)	5.1	3.3	481.0	496.0
Limit (dB)	46.1	50.0	6.6	6.3



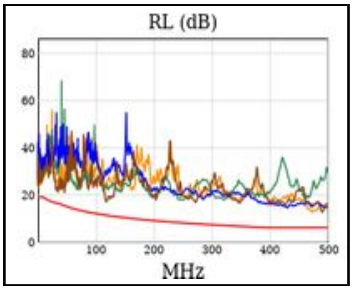


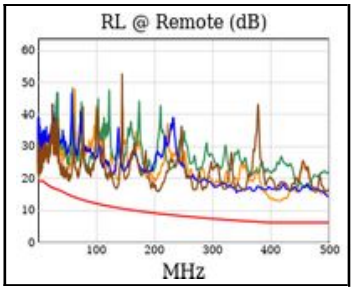
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	10.8	24.5	31.3
Freq. (MHz)	4.5	3.0	495.0	500.0
Limit (dB)	57.8	61.4	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	10.1	26.3	30.0
Freq. (MHz)	4.5	4.4	495.0	500.0
Limit (dB)	55.3	55.6	-25.7	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.8	2.9	6.5	6.7
Freq. (MHz)	35.5	6.9	491.0	415.0
Limit (dB)	16.2	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-4-A

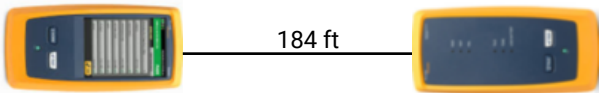
Test Summary: PASS

Date / Time: 11/25/2022 04:48:54 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

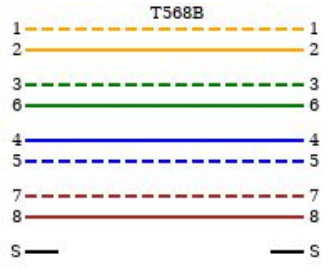
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

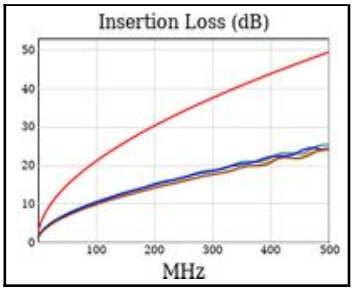
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

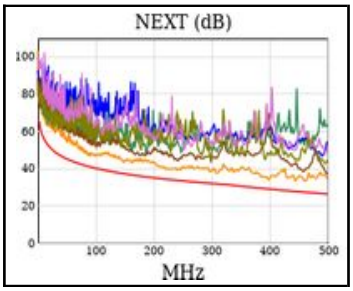
Length (ft), Limit 328	[Pair 7,8]	184
Prop. Delay (ns), Limit 555	[Pair 4,5]	285
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

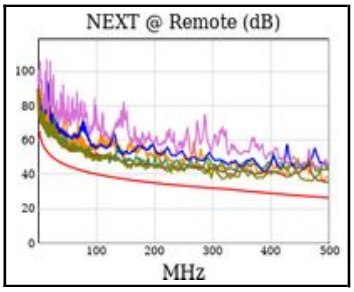


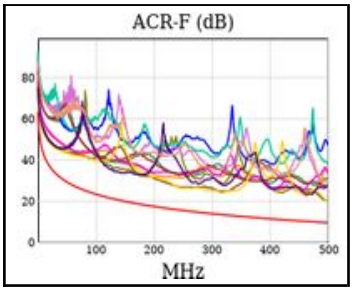
PASS

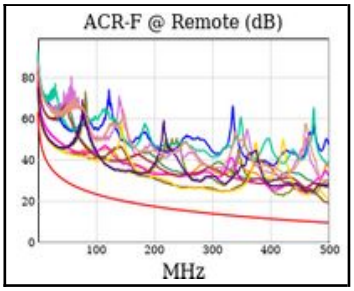


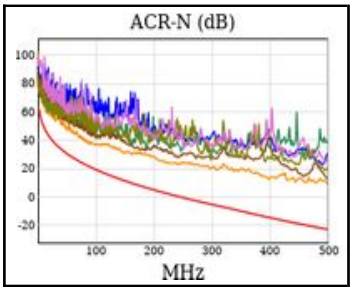


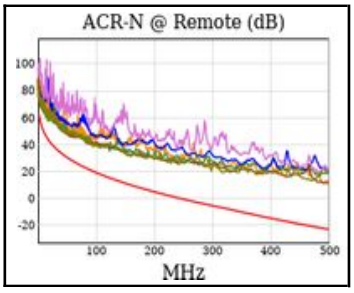


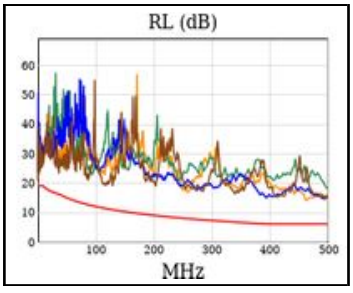


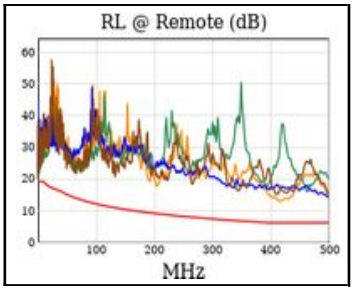












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.8	5.4	5.9	9.1
Freq. (MHz)	399.0	299.0	461.0	498.0
Limit (dB)	28.8	31.8	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.3	6.5	7.7	9.1
Freq. (MHz)	241.5	320.0	461.0	493.0
Limit (dB)	30.4	28.3	24.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	9.7	10.4	9.7
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.4	11.3	12.2
Freq. (MHz)	8.1	2.5	464.0	500.0
Limit (dB)	42.1	52.3	6.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	12.8	9.4	32.1	33.4
Freq. (MHz)	3.4	3.4	500.0	490.0
Limit (dB)	60.4	60.4	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	9.4	32.8	32.8
Freq. (MHz)	3.6	3.4	500.0	493.0
Limit (dB)	57.3	57.9	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	7.1	6.3	8.1	6.7
Freq. (MHz)	37.0	9.9	464.0	416.0
Limit (dB)	16.2	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 112-4-B

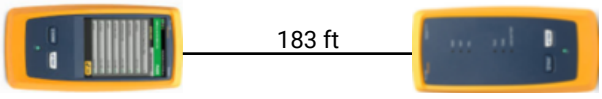
Test Summary: PASS

Date / Time: 11/25/2022 04:49:28 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

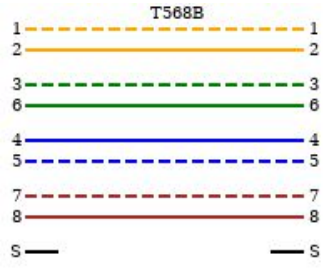
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

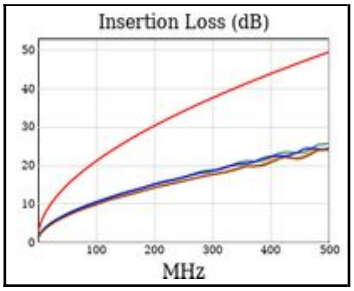
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	183
Prop. Delay (ns), Limit 555	[Pair 4,5]	284
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	23.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

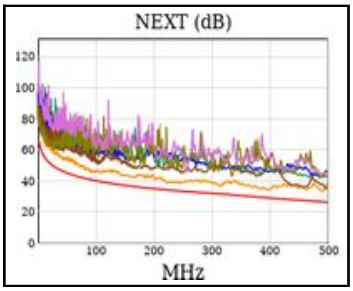


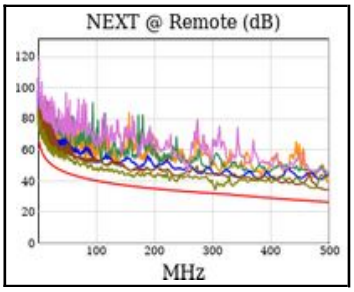
PASS



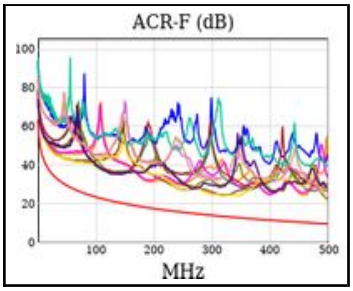


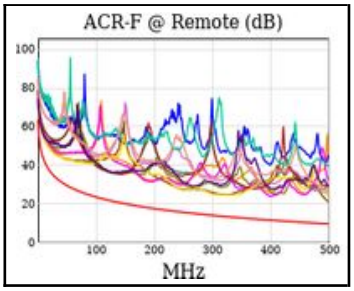
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	2.4	7.0	7.7
Freq. (MHz)	225.0	306.0	492.0	497.0
Limit (dB)	33.9	31.6	26.3	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	4.9	8.2	9.1
Freq. (MHz)	225.0	306.0	496.0	498.0
Limit (dB)	31.0	28.6	23.3	23.3



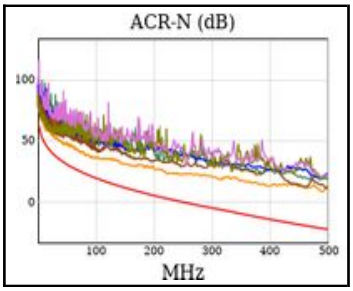


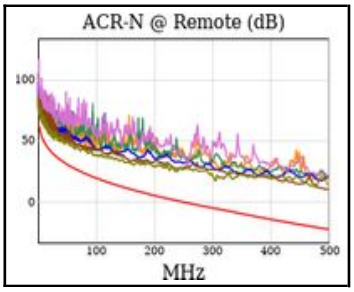
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.8	12.8	11.7
Freq. (MHz)	305.0	305.0	500.0	500.0
Limit (dB)	13.6	13.6	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.0	10.4	14.0	12.9
Freq. (MHz)	6.4	6.0	500.0	500.0
Limit (dB)	44.2	44.7	6.3	6.3



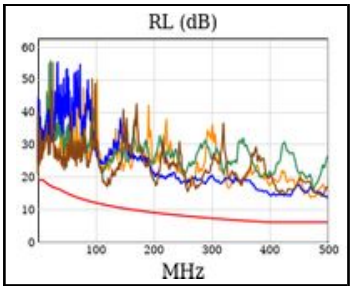


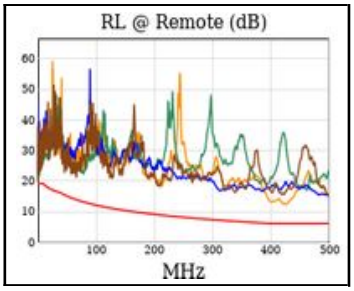
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	11.1	9.2	30.3	32.8
Freq. (MHz)	5.3	3.5	490.0	498.0
Limit (dB)	56.4	60.1	-22.4	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	8.4	31.8	32.8
Freq. (MHz)	3.5	3.5	496.0	498.0
Limit (dB)	57.6	57.6	-25.8	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	5.7	6.2	7.5	6.2
Freq. (MHz)	120.5	427.0	472.0	427.0
Limit (dB)	11.2	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-A

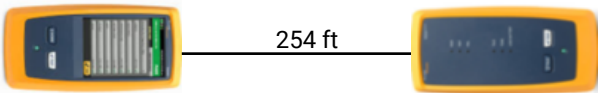
Test Summary: PASS

Date / Time: 12/19/2022 01:57:48 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

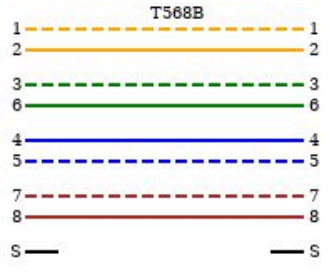
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

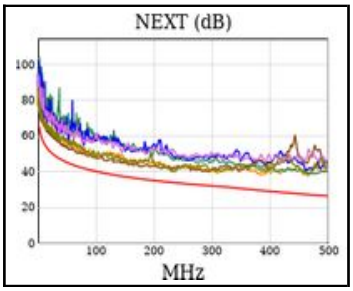
Length (ft), Limit 328	[Pair 1,2]	254
Prop. Delay (ns), Limit 555	[Pair 4,5]	404
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 3,6]	13.4
Insertion Loss Margin (dB)	[Pair 3,6]	10.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

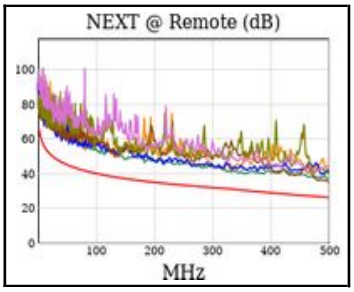


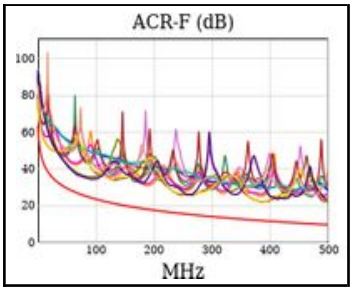
PASS

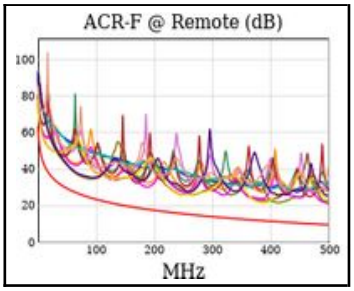


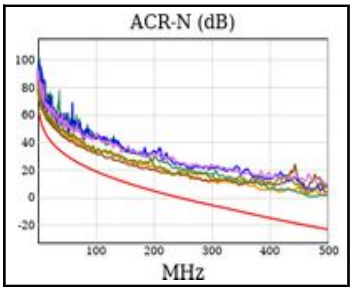


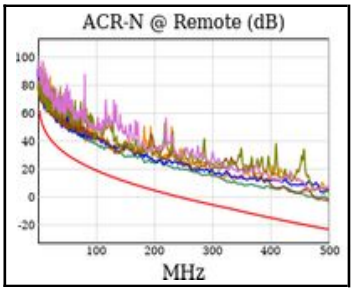


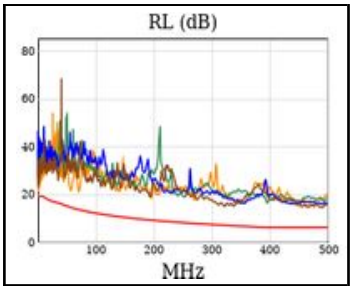


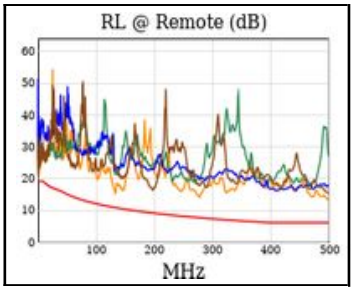












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	8.6	10.5	8.8
Freq. (MHz)	235.5	2.5	466.0	500.0
Limit (dB)	33.6	65.0	26.9	26.1
Worst Pair	3,6	3,6	1,2	4,5
PS NEXT (dB)	5.4	9.2	11.0	9.2
Freq. (MHz)	231.5	3.8	463.0	500.0
Limit (dB)	30.7	61.0	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	9.8	9.6	12.0	11.6
Freq. (MHz)	70.0	388.0	500.0	500.0
Limit (dB)	26.4	11.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	9.7	12.1	10.5
Freq. (MHz)	259.0	255.0	500.0	500.0
Limit (dB)	12.0	12.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	9.0	9.7	22.0	19.7
Freq. (MHz)	4.9	2.5	477.0	500.0
Limit (dB)	57.1	61.7	-21.4	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.7	10.5	24.1	20.1
Freq. (MHz)	3.8	3.8	496.0	500.0
Limit (dB)	57.0	57.0	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.3	4.3	8.3	7.2
Freq. (MHz)	6.0	134.0	490.0	500.0
Limit (dB)	19.0	10.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-A

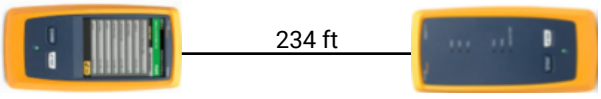
Test Summary: PASS

Date / Time: 11/26/2022 02:40:09 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

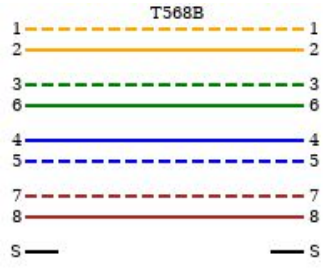
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

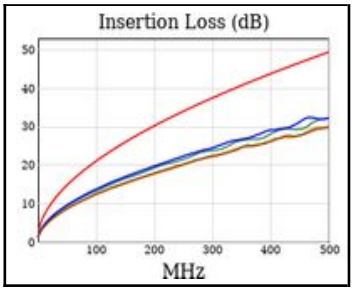
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

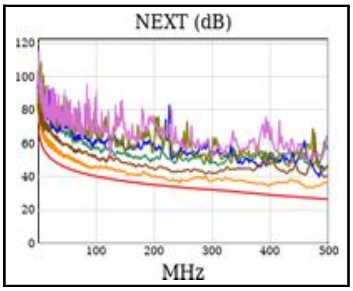
Length (ft), Limit 328	[Pair 1,2]	234
Prop. Delay (ns), Limit 555	[Pair 3,6]	363
Delay Skew (ns), Limit 50	[Pair 3,6]	14
Resistance (ohms)	[Pair 3,6]	14.5
Insertion Loss Margin (dB)	[Pair 4,5]	17.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

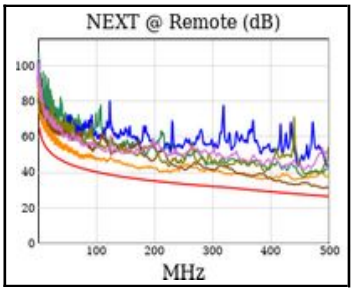


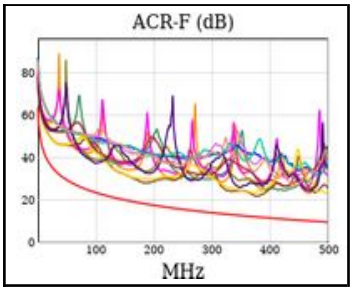
PASS

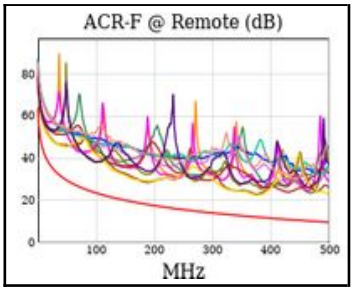


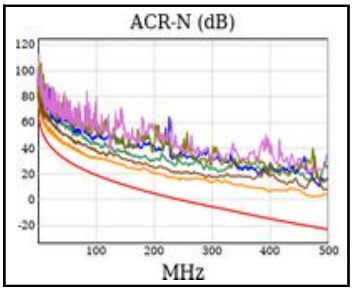


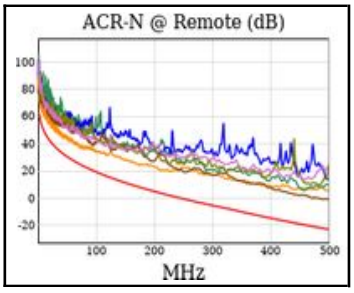


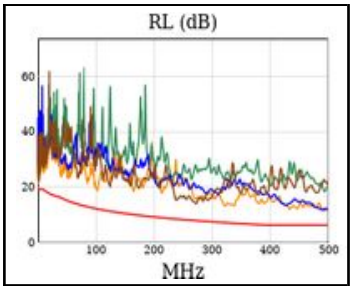


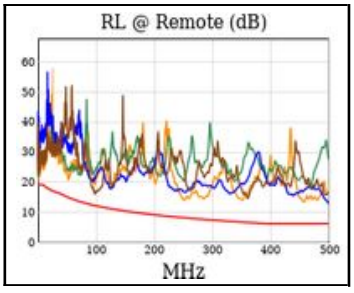












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.7	4.4	6.4	4.5
Freq. (MHz)	245.5	492.0	475.0	500.0
Limit (dB)	33.3	26.3	26.7	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.1	8.3	6.5
Freq. (MHz)	245.0	441.0	463.0	500.0
Limit (dB)	30.3	24.7	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	10.3	9.8	10.3
Freq. (MHz)	378.0	375.0	378.0	375.0
Limit (dB)	11.7	11.8	11.7	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.3	13.0	11.3
Freq. (MHz)	384.0	384.0	469.0	384.0
Limit (dB)	8.6	8.6	6.8	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.9	8.7	23.1	21.5
Freq. (MHz)	4.4	4.3	475.0	500.0
Limit (dB)	58.1	58.3	-21.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	10.5	26.6	23.8
Freq. (MHz)	4.3	4.3	488.0	500.0
Limit (dB)	55.8	55.8	-25.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	5.2	3.8	5.2	6.7
Freq. (MHz)	495.0	98.8	495.0	500.0
Limit (dB)	6.0	12.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-B

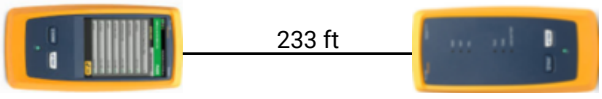
Test Summary: PASS

Date / Time: 11/26/2022 02:40:52 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

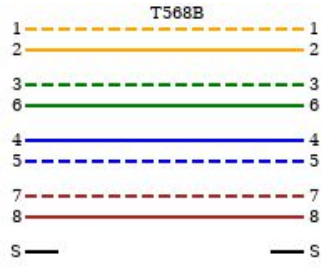
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

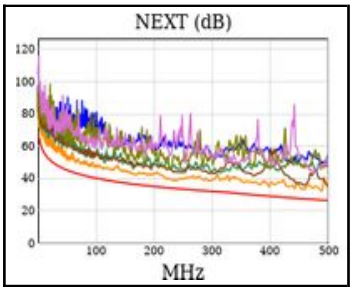
Length (ft), Limit 328	[Pair 7,8]	233
Prop. Delay (ns), Limit 555	[Pair 4,5]	362
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	18.0
Insertion Loss Margin (dB)	[Pair 3,6]	18.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

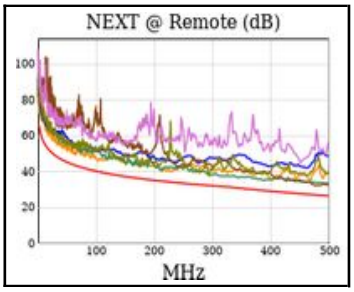


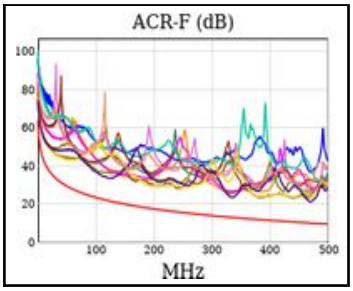
PASS

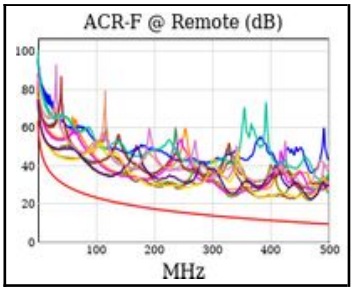


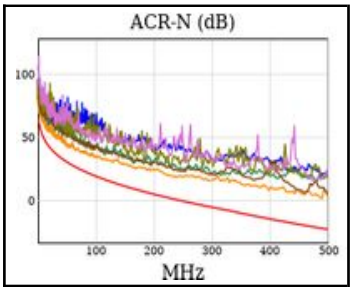


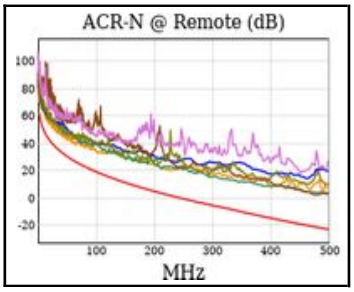


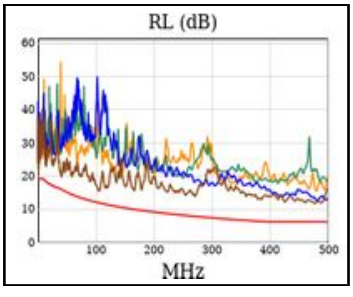


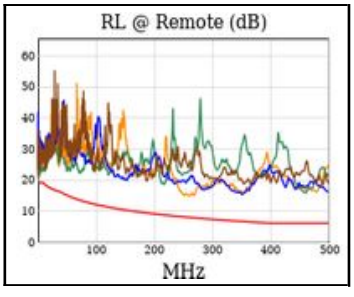












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.8	5.2	5.4	5.2
Freq. (MHz)	239.0	479.0	490.0	479.0
Limit (dB)	33.5	26.6	26.3	26.6
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	6.5	5.7	6.5	6.0
Freq. (MHz)	460.0	213.5	460.0	485.0
Limit (dB)	24.2	31.4	24.2	23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	10.6	10.8	11.2	11.8
Freq. (MHz)	337.0	334.0	472.0	468.0
Limit (dB)	12.7	12.8	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.6	12.0	12.5
Freq. (MHz)	8.1	336.0	470.0	468.0
Limit (dB)	42.1	9.7	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.5	8.2	23.4	23.5
Freq. (MHz)	3.0	3.0	490.0	479.0
Limit (dB)	61.4	61.4	-22.4	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	10.1	25.5	25.5
Freq. (MHz)	3.0	3.0	490.0	498.0
Limit (dB)	58.4	58.4	-25.3	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	3.5	3.4	5.6	6.9
Freq. (MHz)	106.5	6.3	479.0	261.0
Limit (dB)	11.7	19.0	6.0	7.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-2-A

Test Summary: PASS

Date / Time: 12/03/2022 02:41:00 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	100
Prop. Delay (ns), Limit 555	[Pair 4,5]	156
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	5.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.5
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	4.1	3.7	4.1	6.3
Freq. (MHz)	492.0	294.0	492.0	497.0
Limit (dB)	26.3	31.9	26.3	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	3.8	6.1	6.8
Freq. (MHz)	428.0	294.0	492.0	463.0
Limit (dB)	25.0	28.9	23.4	24.1

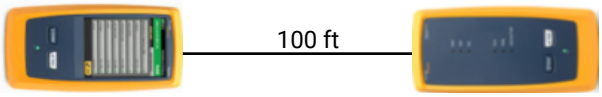
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.5	10.3	10.5
Freq. (MHz)	500.0	497.0	500.0	497.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	12.0	12.5
Freq. (MHz)	15.1	1.1	500.0	500.0
Limit (dB)	36.7	59.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.2	11.7	39.9	42.1
Freq. (MHz)	5.0	6.1	492.0	493.0
Limit (dB)	56.9	55.0	-22.6	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	10.6	40.7	41.4
Freq. (MHz)	3.6	3.4	492.0	464.0
Limit (dB)	57.3	57.9	-25.5	-23.2

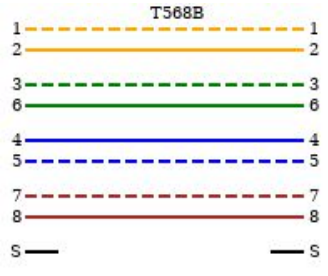
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.3	4.5	5.9	5.8
Freq. (MHz)	127.0	92.8	497.0	484.0
Limit (dB)	11.0	12.3	6.0	6.0

Compliant Network Standards:

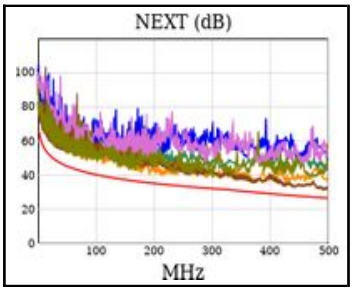
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

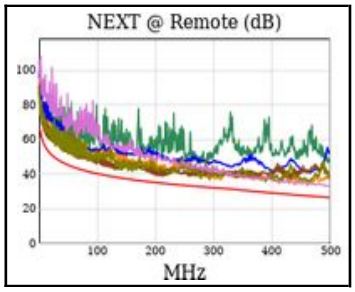


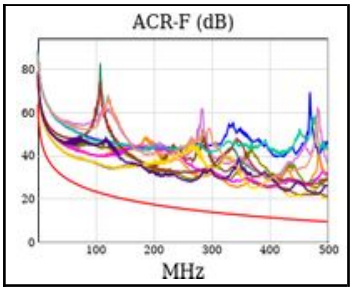
PASS

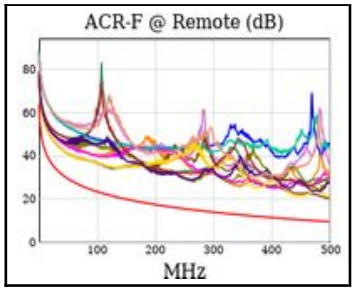


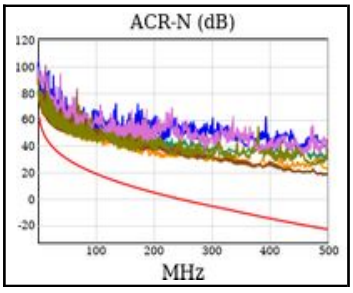


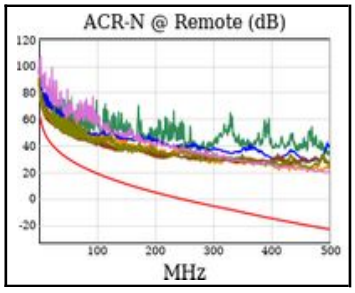


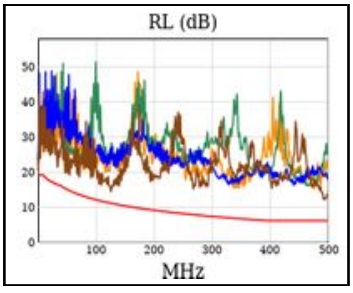


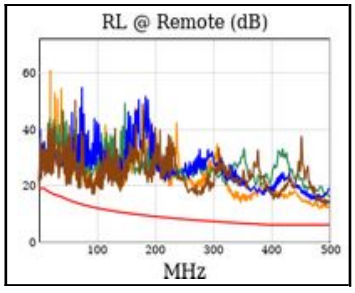












FLUKE networks

LinkWare Live

Cable ID: 113-2-B

Test Summary: PASS

Date / Time: 12/03/2022 02:41:58 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	101
Prop. Delay (ns), Limit 555	[Pair 3,6]	157
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.1
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.7	2.8	5.7	5.7
Freq. (MHz)	162.0	71.8	498.0	386.0
Limit (dB)	36.4	42.4	26.1	29.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	3.3	7.0	8.2
Freq. (MHz)	162.0	154.5	498.0	455.0
Limit (dB)	33.4	33.8	23.3	24.3

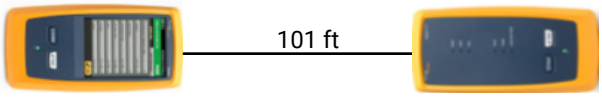
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.6	10.1	9.7
Freq. (MHz)	451.0	452.0	454.0	454.0
Limit (dB)	10.2	10.2	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.9	12.2	12.6
Freq. (MHz)	393.0	409.0	495.0	496.0
Limit (dB)	8.4	8.0	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.5	8.2	40.8	37.7
Freq. (MHz)	3.6	3.8	498.0	412.0
Limit (dB)	59.8	59.5	-23.1	-16.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	8.3	41.0	44.1
Freq. (MHz)	3.5	3.4	494.0	481.0
Limit (dB)	57.6	57.9	-25.6	-24.6

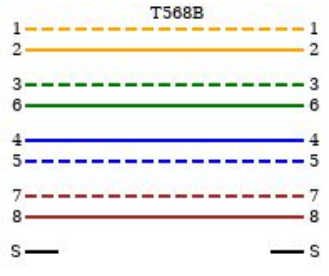
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.3	3.8	6.0	4.4
Freq. (MHz)	94.3	71.0	497.0	482.0
Limit (dB)	12.3	13.5	6.0	6.0

Compliant Network Standards:

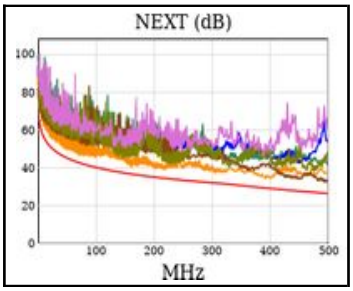
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

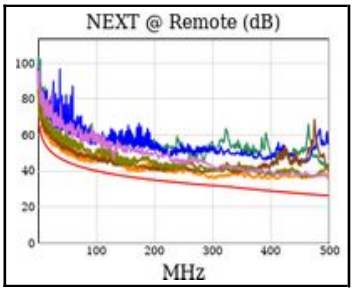


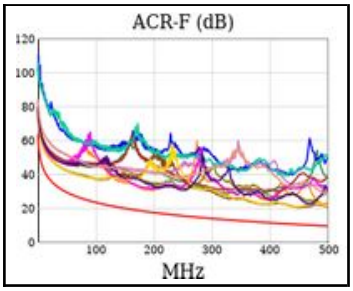
PASS

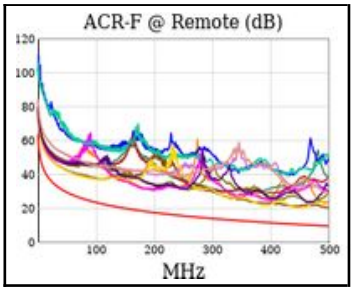


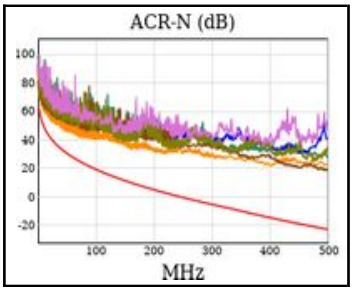


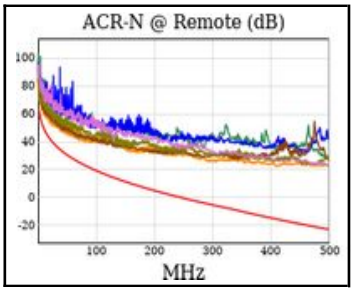


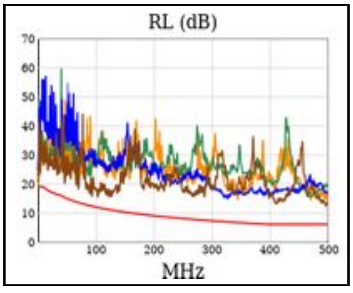


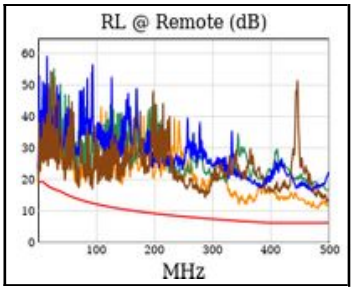












FLUKE networks

LinkWare Live

Cable ID: 113-3-A

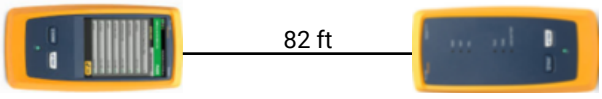
Test Summary: PASS

Date / Time: 12/03/2022 02:36:34 PM
Headroom: 1.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

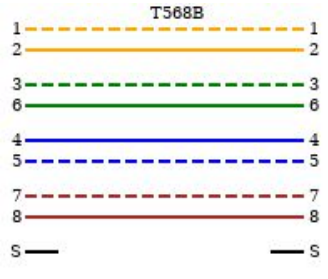
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

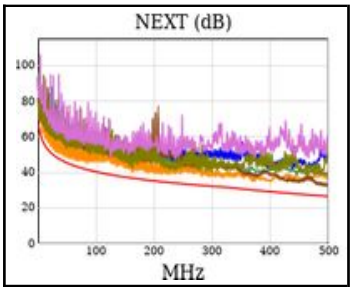
Length (ft), Limit 328	[Pair 1,2]	82
Prop. Delay (ns), Limit 555	[Pair 3,6]	127
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 7,8]	4.5
Insertion Loss Margin (dB)	[Pair 3,6]	36.4
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

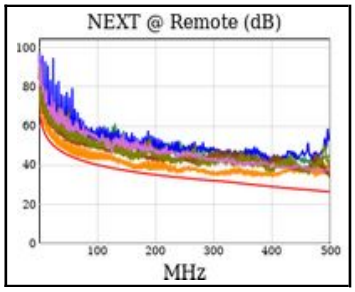


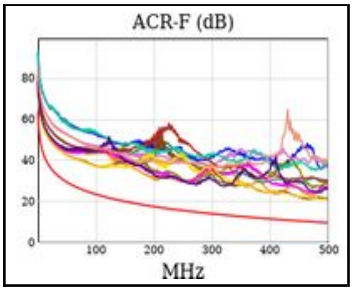
PASS

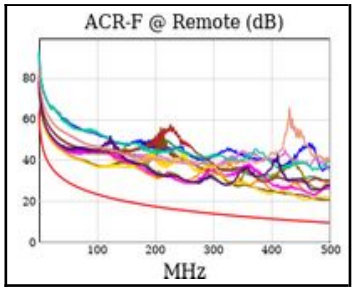


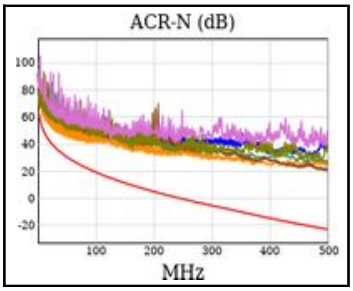


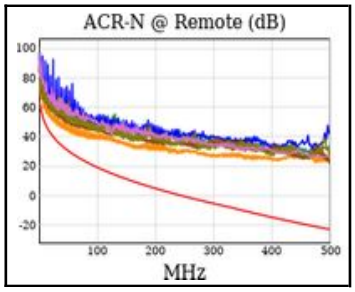


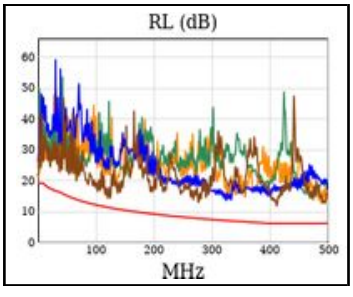


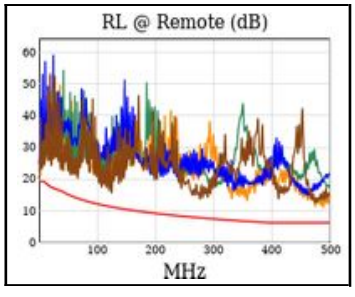












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	2.7	1.2	5.4	7.2
Freq. (MHz)	31.8	164.0	500.0	500.0
Limit (dB)	48.3	36.3	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	2.4	7.3	7.6
Freq. (MHz)	164.0	164.0	499.0	500.0
Limit (dB)	33.4	33.4	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.9	10.6	11.1	10.7
Freq. (MHz)	466.0	457.0	498.0	490.0
Limit (dB)	9.9	10.1	9.3	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.2	10.9	11.2
Freq. (MHz)	474.0	473.0	474.0	473.0
Limit (dB)	6.7	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.5	7.4	42.9	44.7
Freq. (MHz)	4.3	4.4	500.0	500.0
Limit (dB)	58.3	58.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	7.6	44.1	44.4
Freq. (MHz)	4.3	4.1	499.0	500.0
Limit (dB)	55.8	56.1	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	2.9	4.3	5.5	4.7
Freq. (MHz)	121.0	125.5	413.0	489.0
Limit (dB)	11.2	11.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-3-B

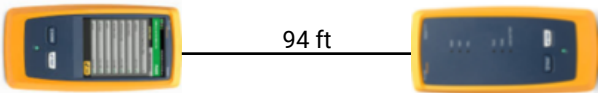
Test Summary: PASS

Date / Time: 12/03/2022 02:37:32 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

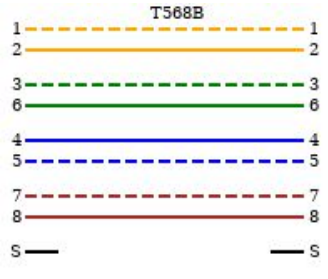
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

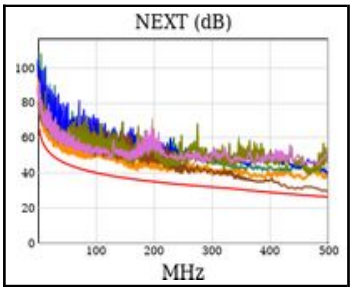
Length (ft), Limit 328	[Pair 1,2]	94
Prop. Delay (ns), Limit 555	[Pair 3,6]	145
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

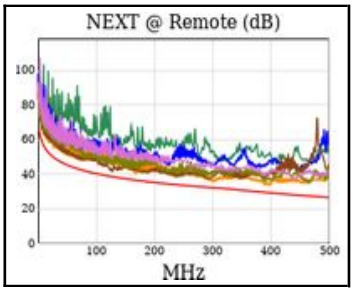


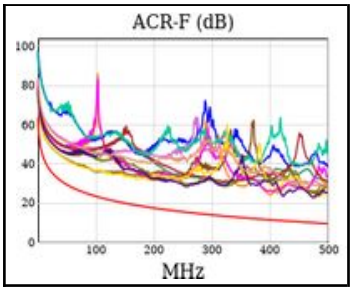
PASS

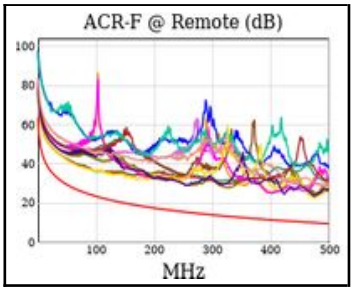


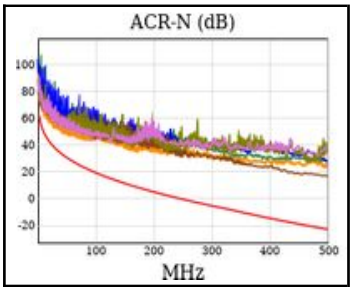


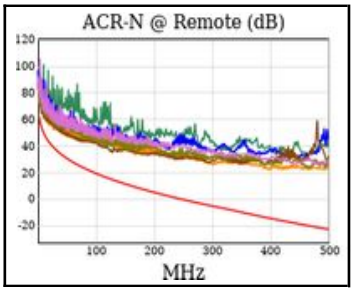


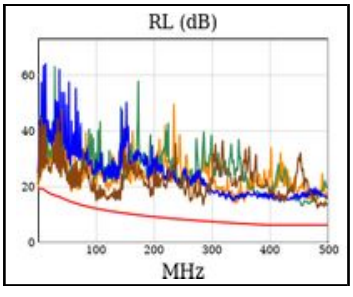


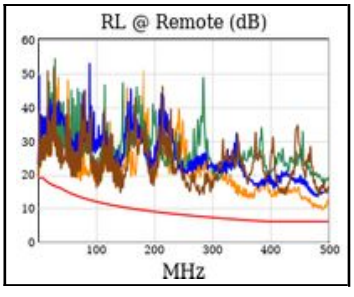












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.1	2.8	3.1	4.0
Freq. (MHz)	499.0	128.5	499.0	397.0
Limit (dB)	26.1	38.1	26.1	28.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	3.2	5.1	4.6
Freq. (MHz)	444.0	294.0	499.0	390.0
Limit (dB)	24.6	28.9	23.3	26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	12.0	12.0	12.8	12.6
Freq. (MHz)	4.6	4.6	479.0	477.0
Limit (dB)	50.0	50.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.5	12.5	12.7	14.4
Freq. (MHz)	8.5	5.1	478.0	479.0
Limit (dB)	41.7	46.1	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	9.4	39.3	44.3
Freq. (MHz)	3.1	3.3	499.0	496.0
Limit (dB)	61.1	60.7	-23.1	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	8.5	40.4	44.8
Freq. (MHz)	3.8	3.5	499.0	496.0
Limit (dB)	57.0	57.6	-26.0	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	2.7	3.5	5.9	3.5
Freq. (MHz)	101.5	489.0	483.0	489.0
Limit (dB)	11.9	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-4-A

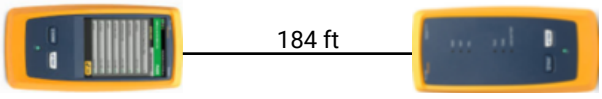
Test Summary: PASS

Date / Time: 12/03/2022 02:54:17 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

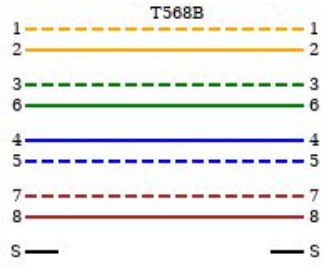
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

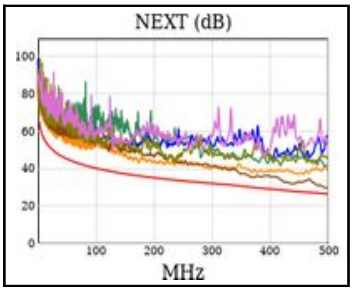
Length (ft), Limit 328	[Pair 1,2]	184
Prop. Delay (ns), Limit 555	[Pair 3,6]	286
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	8.8
Insertion Loss Margin (dB)	[Pair 4,5]	24.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

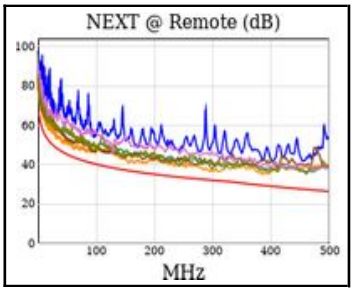


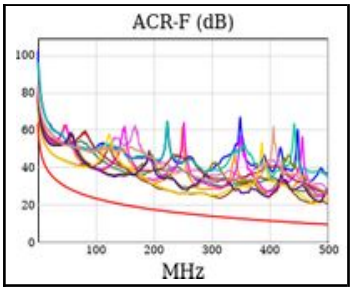
PASS

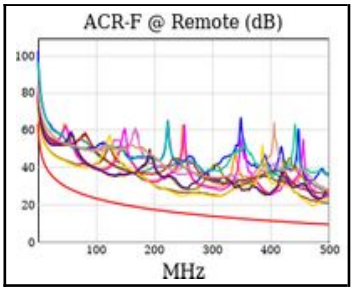


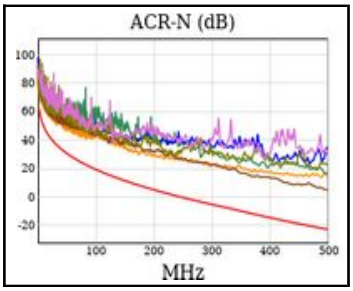


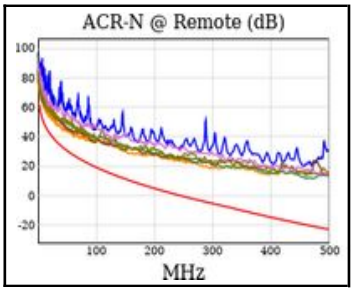


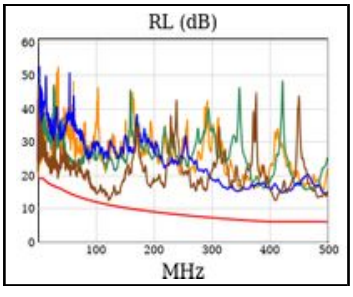


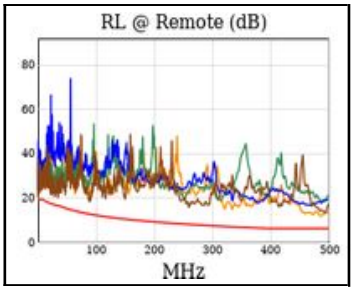












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.2	3.8	3.3	5.5
Freq. (MHz)	497.0	157.0	500.0	387.0
Limit (dB)	26.2	36.6	26.1	29.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	4.3	5.6	6.0
Freq. (MHz)	500.0	299.0	500.0	398.0
Limit (dB)	23.2	28.8	23.2	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.2	10.6	9.4
Freq. (MHz)	242.5	243.5	477.0	473.0
Limit (dB)	15.6	15.5	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	11.0	10.0	11.0
Freq. (MHz)	485.0	490.0	485.0	490.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-4,5
ACR-N (dB)	9.8	8.6	27.6	32.3
Freq. (MHz)	3.8	5.6	500.0	474.0
Limit (dB)	59.5	55.8	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.3	8.1	30.2	32.2
Freq. (MHz)	3.6	3.5	500.0	472.0
Limit (dB)	57.3	57.6	-26.1	-23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	1.2	3.4	1.2	5.7
Freq. (MHz)	123.0	35.3	123.0	489.0
Limit (dB)	11.1	16.3	11.1	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-4-B

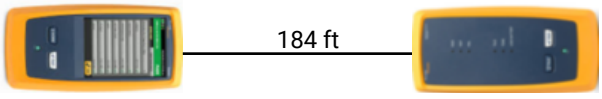
Test Summary: PASS

Date / Time: 12/03/2022 02:55:04 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

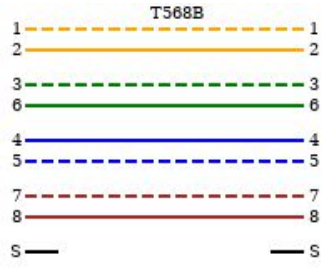
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

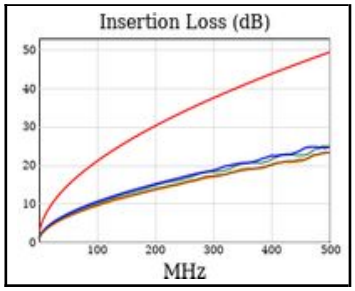
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

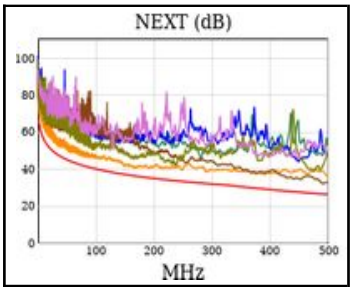
Length (ft), Limit 328	[Pair 1,2]	184
Prop. Delay (ns), Limit 555	[Pair 3,6]	284
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.8
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

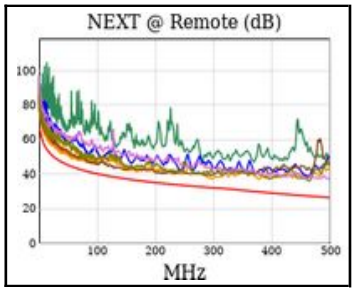


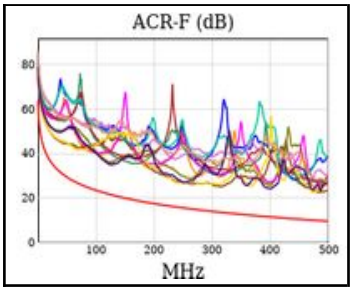
PASS

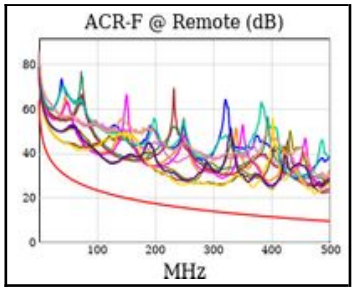


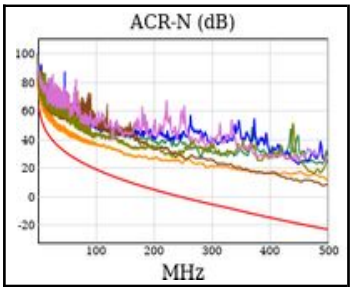


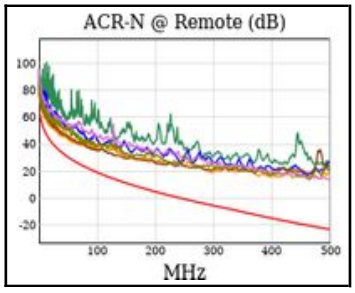


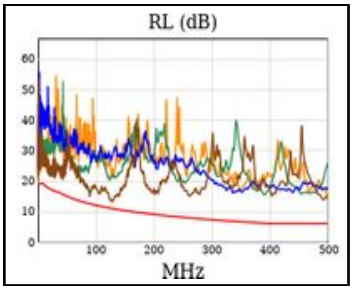


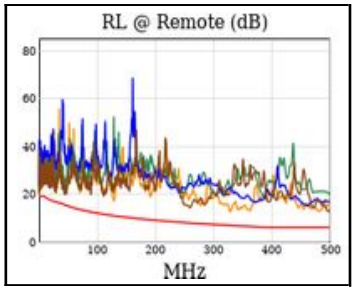












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.2	4.5	5.7	8.8
Freq. (MHz)	167.5	66.3	493.0	466.0
Limit (dB)	36.1	43.0	26.3	26.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	6.0	4.0	7.3	8.2
Freq. (MHz)	167.0	150.0	492.0	464.0
Limit (dB)	33.2	34.0	23.4	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.3	12.5	11.8
Freq. (MHz)	244.0	244.0	475.0	475.0
Limit (dB)	15.5	15.5	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.7	12.0	11.7
Freq. (MHz)	251.0	488.0	486.0	488.0
Limit (dB)	12.3	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	7.8	7.7	30.4	36.7
Freq. (MHz)	3.6	3.8	495.0	498.0
Limit (dB)	59.8	59.5	-22.8	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	7.3	31.4	33.6
Freq. (MHz)	3.6	3.5	492.0	467.0
Limit (dB)	57.3	57.6	-25.5	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	2.2	3.8	2.2	5.7
Freq. (MHz)	128.5	29.9	128.5	330.0
Limit (dB)	10.9	16.6	10.9	6.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-5-A

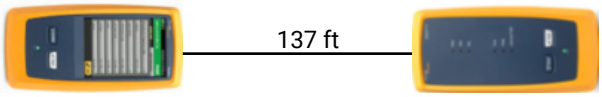
Test Summary: PASS

Date / Time: 12/03/2022 03:08:56 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

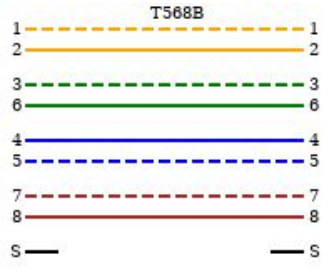
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

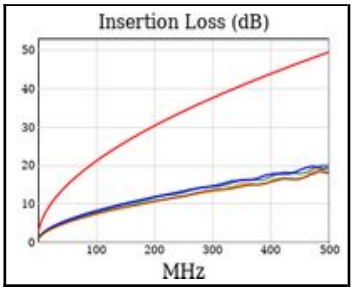
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

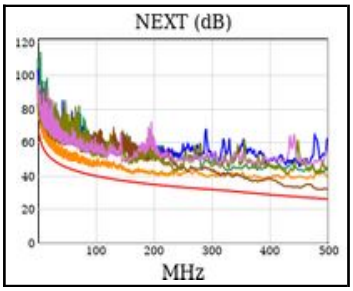
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 3,6]	212
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.9
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

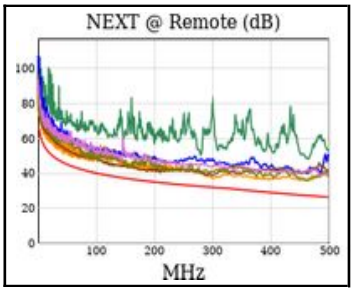


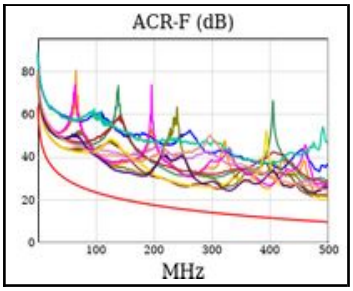
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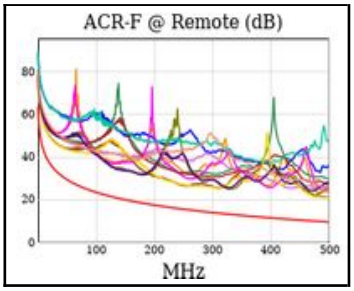


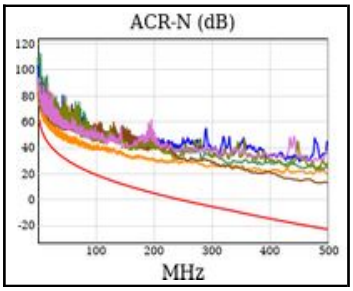


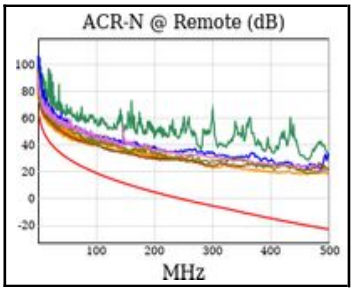


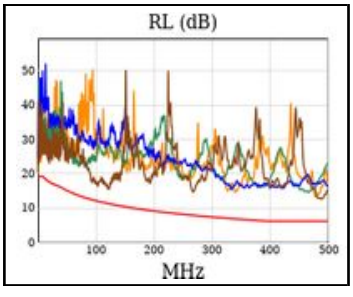


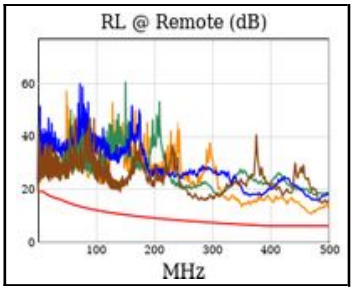












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.4	4.8	5.5	8.3
Freq. (MHz)	44.0	300.0	500.0	465.0
Limit (dB)	45.9	31.7	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	4.7	7.5	7.9
Freq. (MHz)	44.0	300.0	500.0	462.0
Limit (dB)	43.2	28.8	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	11.0	10.3	11.2
Freq. (MHz)	492.0	255.0	492.0	497.0
Limit (dB)	9.4	15.1	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	11.3	10.5	11.6
Freq. (MHz)	489.0	479.0	492.0	492.0
Limit (dB)	6.5	6.7	6.4	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.1	9.5	35.5	40.8
Freq. (MHz)	5.0	5.0	500.0	499.0
Limit (dB)	56.9	56.9	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	8.8	36.9	37.2
Freq. (MHz)	5.0	5.0	500.0	465.0
Limit (dB)	54.3	54.3	-26.1	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.2	4.6	6.3	4.6
Freq. (MHz)	124.0	469.0	490.0	469.0
Limit (dB)	11.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-5-B

Test Summary: PASS

Date / Time: 12/03/2022 03:09:39 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 3,6]	211
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.5	3.4	4.5	7.4
Freq. (MHz)	500.0	125.5	500.0	458.0
Limit (dB)	26.1	38.2	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.8	4.2	6.9	7.9
Freq. (MHz)	371.0	161.5	500.0	453.0
Limit (dB)	26.7	33.5	23.2	24.4

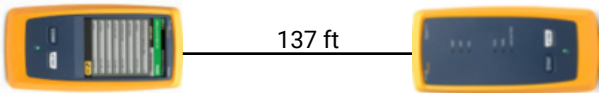
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.6	10.3	11.3	11.6
Freq. (MHz)	389.0	384.0	427.0	443.0
Limit (dB)	11.5	11.6	10.6	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.7	13.2	12.2
Freq. (MHz)	339.0	3.1	499.0	401.0
Limit (dB)	9.7	50.4	6.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	8.3	8.6	34.7	39.0
Freq. (MHz)	3.8	6.5	500.0	484.0
Limit (dB)	59.5	54.4	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	10.2	9.7	36.5	39.2
Freq. (MHz)	3.4	4.8	500.0	484.0
Limit (dB)	57.9	54.8	-26.1	-24.8

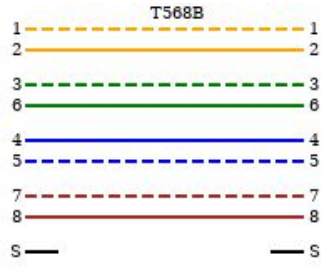
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	1,2
RL (dB)	4.4	5.5	8.1	5.8
Freq. (MHz)	122.0	23.1	464.0	339.0
Limit (dB)	11.1	17.2	6.0	6.7

Compliant Network Standards:

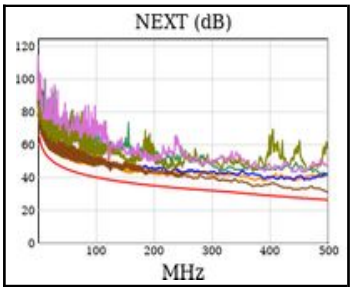
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

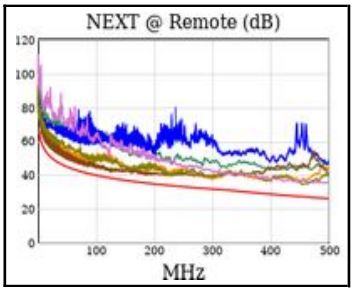


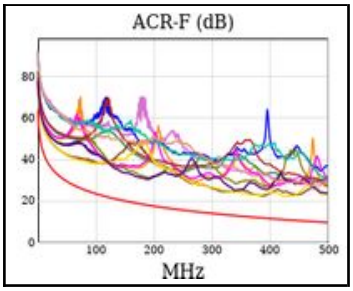
PASS

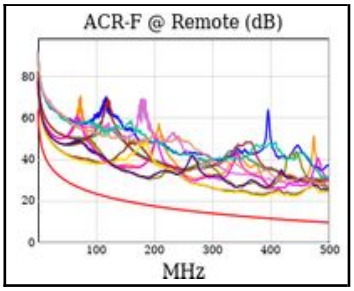


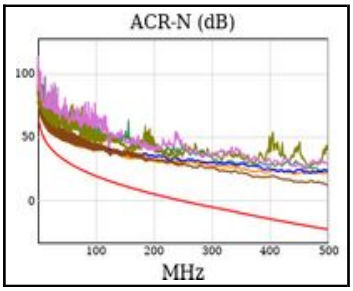


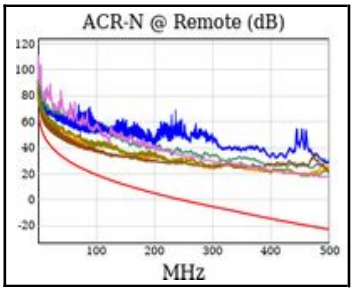


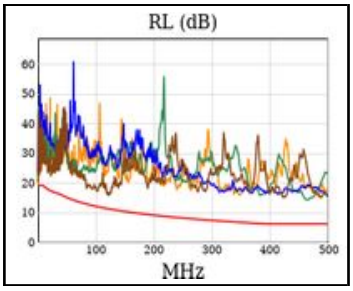


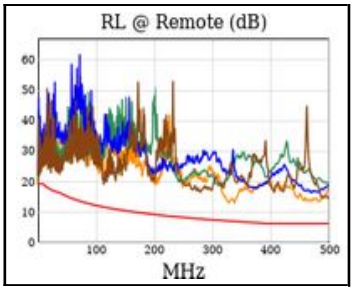












FLUKE networks

LinkWare Live

Cable ID: 113-6-A

Test Summary: PASS

Date / Time: 12/03/2022 03:03:43 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 3,6]	251
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	26.7
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.6	4.3	4.6	7.0
Freq. (MHz)	500.0	297.0	500.0	421.0
Limit (dB)	26.1	31.8	26.1	28.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	4.7	6.6	6.8
Freq. (MHz)	430.0	54.0	500.0	404.0
Limit (dB)	25.0	41.7	23.2	25.7

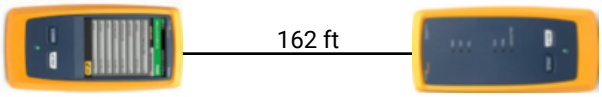
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	7,8-3,6
ACR-F (dB)	10.7	10.8	12.2	12.7
Freq. (MHz)	312.0	374.0	476.0	479.0
Limit (dB)	13.4	11.8	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	11.4	12.8
Freq. (MHz)	334.0	325.0	431.0	478.0
Limit (dB)	9.8	10.0	7.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	9.3	32.0	31.6
Freq. (MHz)	8.5	3.8	500.0	421.0
Limit (dB)	51.8	59.5	-23.2	-16.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	8.5	33.7	32.2
Freq. (MHz)	4.1	4.0	500.0	421.0
Limit (dB)	56.1	56.4	-26.1	-19.7

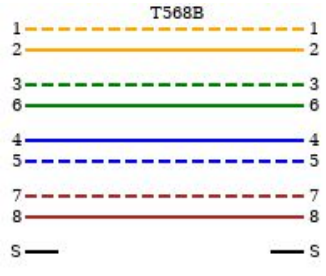
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.1	4.6	6.4	4.6
Freq. (MHz)	102.0	477.0	500.0	477.0
Limit (dB)	11.9	6.0	6.0	6.0

Compliant Network Standards:

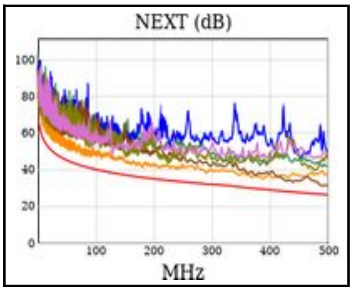
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

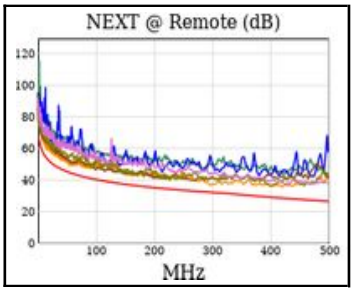


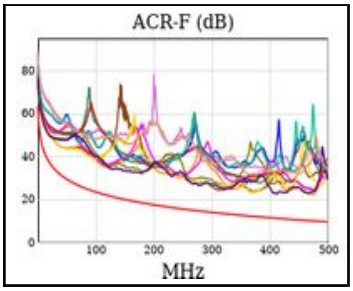
PASS

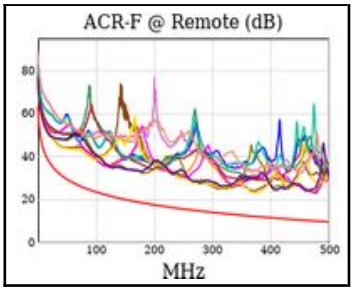


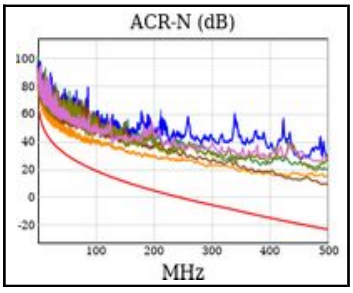


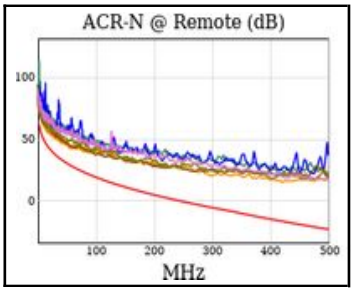


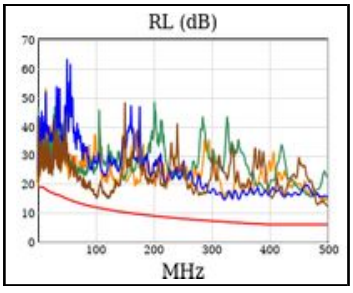


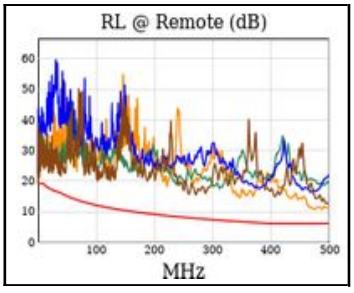












FLUKE networks

LinkWare Live

Cable ID: 113-6-B

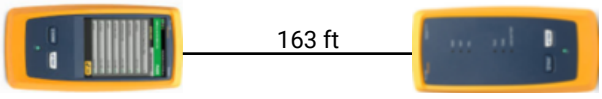
Test Summary: PASS

Date / Time: 12/03/2022 03:05:09 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

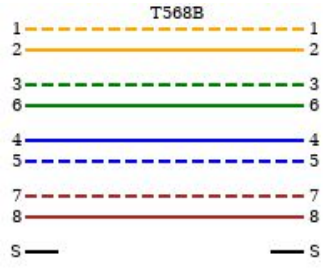
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

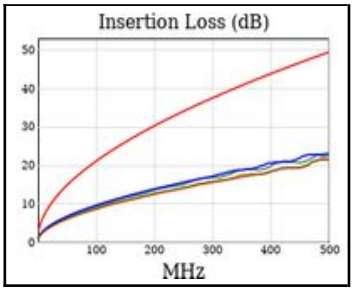
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

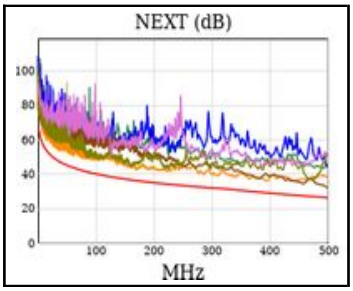
Length (ft), Limit 328	[Pair 1,2]	163
Prop. Delay (ns), Limit 555	[Pair 3,6]	253
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	26.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

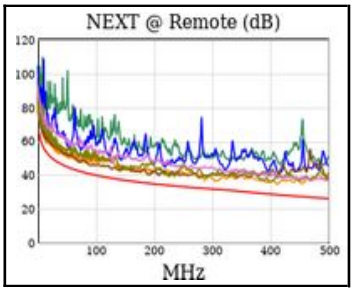


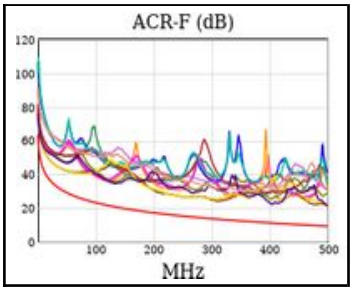
PASS

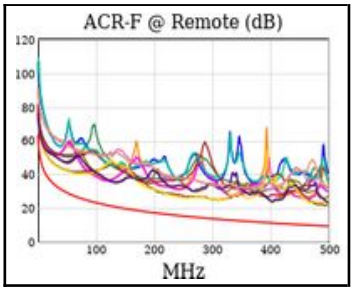


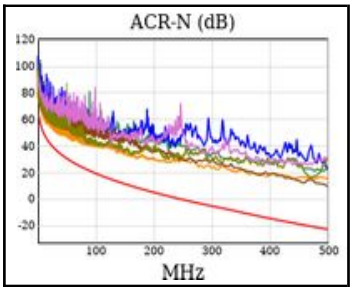


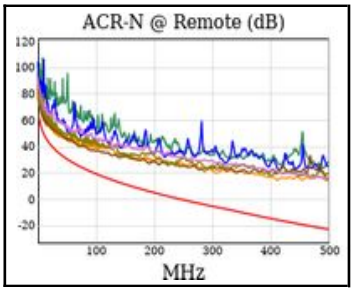


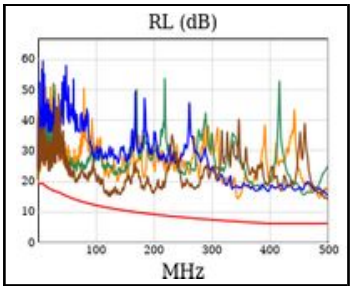


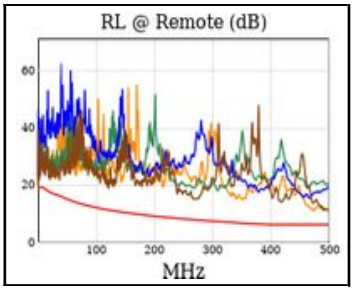












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.7	4.4	5.7	6.0
Freq. (MHz)	500.0	306.0	500.0	412.0
Limit (dB)	26.1	31.6	26.1	28.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.2	4.3	7.6	6.7
Freq. (MHz)	381.0	70.8	500.0	413.0
Limit (dB)	26.4	39.7	23.2	25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.9	12.0	12.1
Freq. (MHz)	309.0	254.0	500.0	500.0
Limit (dB)	13.5	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	11.8	11.9	13.4
Freq. (MHz)	6.5	2.8	500.0	495.0
Limit (dB)	44.0	51.5	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.4	9.0	32.3	36.4
Freq. (MHz)	14.9	3.8	500.0	497.0
Limit (dB)	45.9	59.5	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	8.4	33.9	35.7
Freq. (MHz)	4.0	4.0	500.0	497.0
Limit (dB)	56.4	56.4	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.7	4.4	7.8	4.7
Freq. (MHz)	122.5	21.4	500.0	475.0
Limit (dB)	11.1	17.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-A

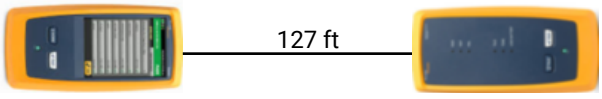
Test Summary: PASS

Date / Time: 11/22/2022 04:59:15 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

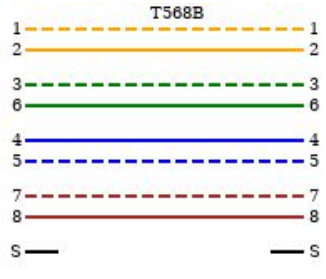
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

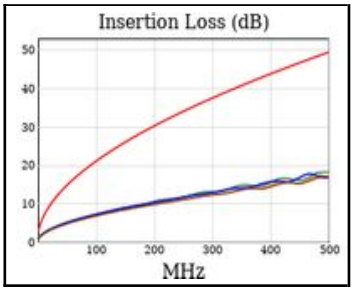
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

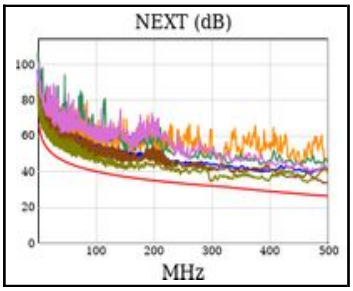
Length (ft), Limit 328	[Pair 7,8]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

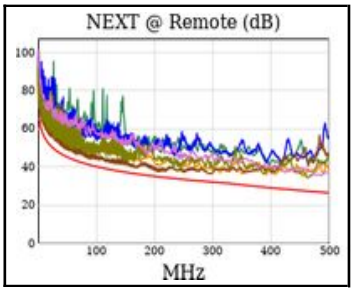


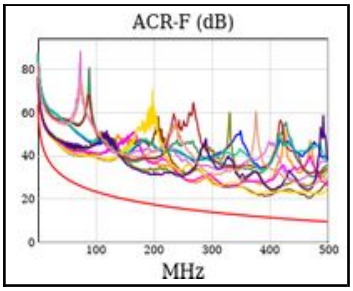
PASS

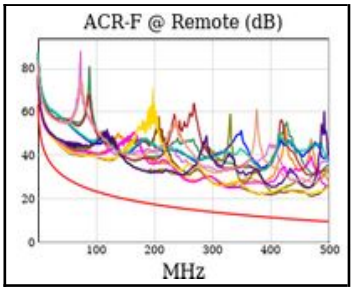


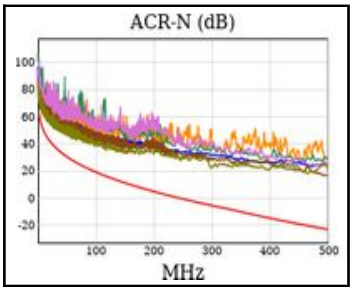


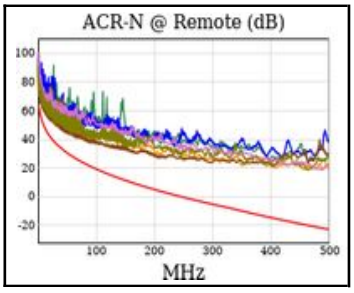


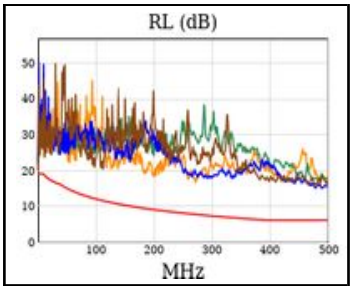


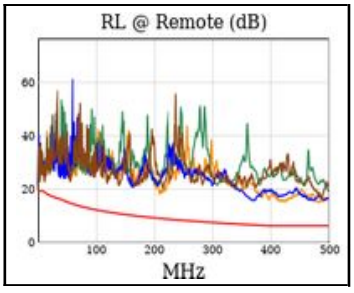












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.2	2.5	7.1	6.7
Freq. (MHz)	299.0	208.5	500.0	464.0
Limit (dB)	31.8	34.5	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	3.2	8.3	7.5
Freq. (MHz)	300.0	166.5	500.0	465.0
Limit (dB)	28.8	33.2	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	10.2	10.6	11.2
Freq. (MHz)	392.0	383.0	469.0	472.0
Limit (dB)	11.4	11.6	9.8	9.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.4	10.5	12.2	10.5
Freq. (MHz)	11.9	405.0	469.0	405.0
Limit (dB)	38.8	8.1	6.8	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	8.1	7.7	39.4	38.4
Freq. (MHz)	2.9	5.0	500.0	464.0
Limit (dB)	61.4	56.9	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	7.9	39.4	38.3
Freq. (MHz)	5.1	5.1	500.0	465.0
Limit (dB)	54.1	54.1	-26.1	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	7.2	7.9	8.9	8.3
Freq. (MHz)	24.4	55.8	490.0	484.0
Limit (dB)	17.1	14.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-A

Test Summary: PASS

Date / Time: 11/21/2022 01:10:09 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	118
Prop. Delay (ns), Limit 555	[Pair 3,6]	183
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 7,8]	5.6
Insertion Loss Margin (dB)	[Pair 3,6]	32.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	4.3	4.1	5.5
Freq. (MHz)	500.0	229.0	500.0	470.0
Limit (dB)	26.1	33.8	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	6.4	6.3	8.2
Freq. (MHz)	455.0	229.0	500.0	500.0
Limit (dB)	24.3	30.8	23.2	23.2

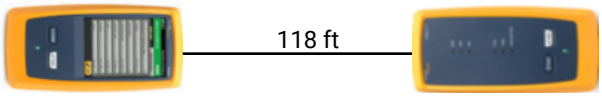
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	10.1	9.8	10.1
Freq. (MHz)	382.0	363.0	382.0	382.0
Limit (dB)	11.6	12.1	11.6	11.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.1	11.0	12.1	12.1
Freq. (MHz)	1.0	1.1	382.0	382.0
Limit (dB)	60.3	59.2	8.6	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	10.5	36.9	39.1
Freq. (MHz)	3.0	3.0	500.0	498.0
Limit (dB)	61.4	61.4	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	12.2	38.4	40.3
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1

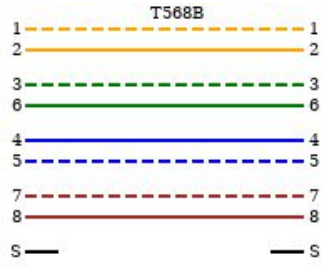
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.1	7.0	7.3	7.0
Freq. (MHz)	71.0	483.0	488.0	483.0
Limit (dB)	13.5	6.0	6.0	6.0

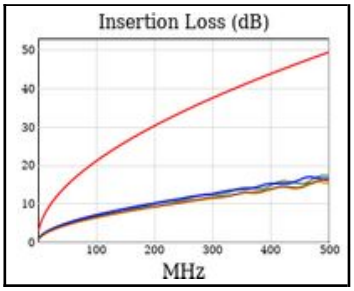
Compliant Network Standards:

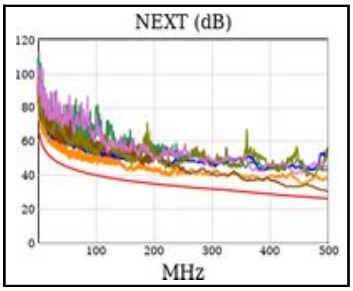
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

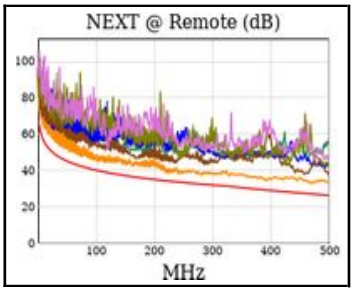


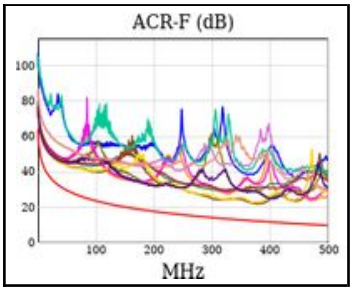
PASS

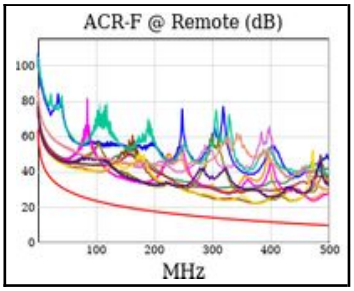


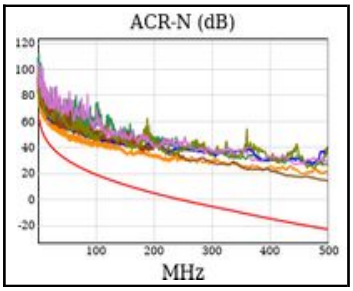


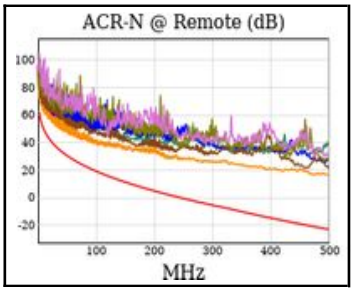


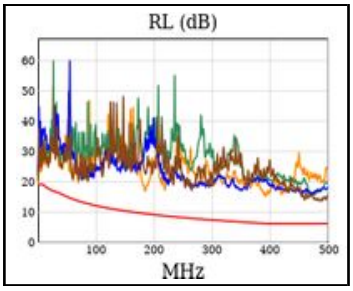


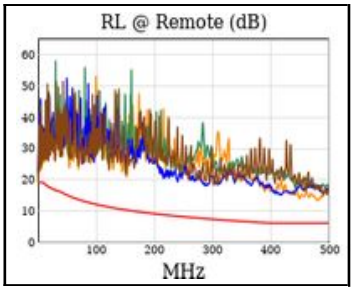












FLUKE networks

LinkWare Live

Cable ID: 113-A

Test Summary: PASS

Date / Time: 12/22/2022 12:19:52 PM
Headroom: 6.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	115
Prop. Delay (ns), Limit 555	[Pair 4,5]	180
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	32.4
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.2	6.6	9.0	7.1
Freq. (MHz)	223.0	334.0	454.0	467.0
Limit (dB)	34.0	30.9	27.2	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.5	6.5	8.5	8.7
Freq. (MHz)	456.0	165.0	456.0	500.0
Limit (dB)	24.3	33.3	24.3	23.2

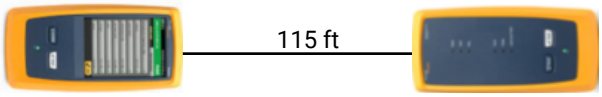
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.2	10.1	10.0
Freq. (MHz)	383.0	383.0	439.0	456.0
Limit (dB)	11.6	11.6	10.4	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	9.8	11.6	10.0
Freq. (MHz)	7.5	411.0	468.0	420.0
Limit (dB)	42.8	8.0	6.9	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	10.3	40.4	39.4
Freq. (MHz)	3.0	2.9	454.0	467.0
Limit (dB)	61.4	61.4	-19.5	-20.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.3	11.5	44.0	42.0
Freq. (MHz)	3.0	5.8	495.0	500.0
Limit (dB)	58.4	53.0	-25.7	-26.1

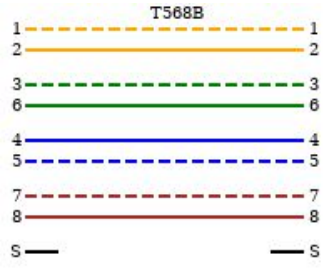
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.0	5.8	6.0	7.0
Freq. (MHz)	498.0	194.5	498.0	488.0
Limit (dB)	6.0	9.1	6.0	6.0

Compliant Network Standards:

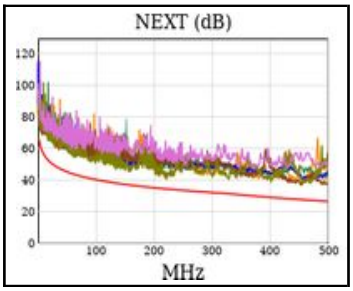
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

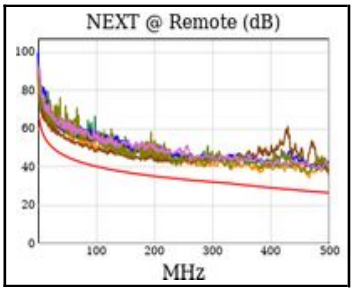


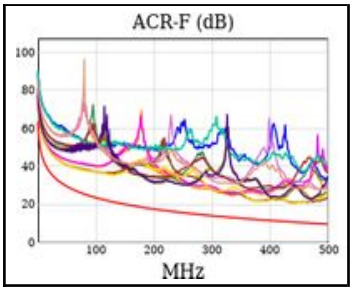
PASS

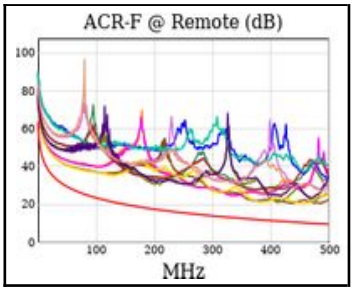


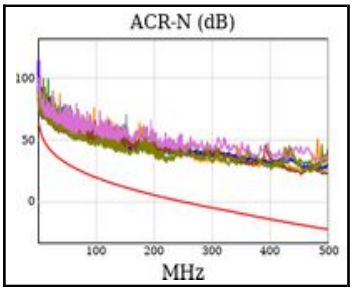


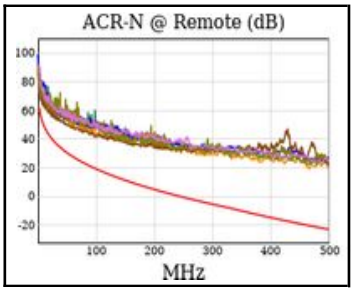


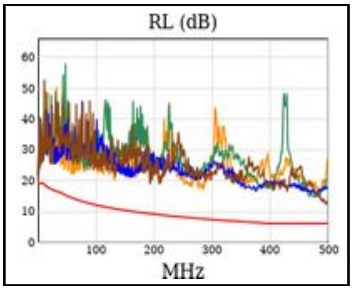


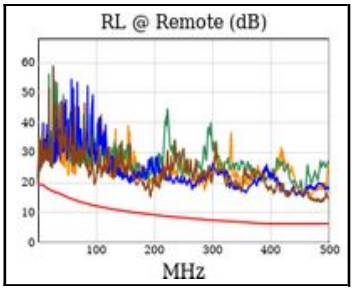












FLUKE networks

LinkWare Live

Cable ID: 113-A

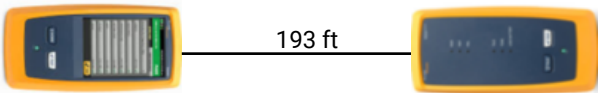
Test Summary: PASS

Date / Time: 12/10/2022 04:02:04 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

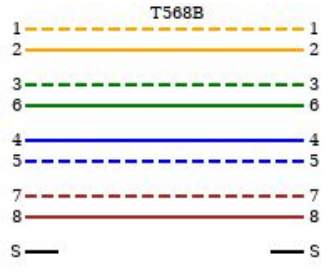
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	193
Prop. Delay (ns), Limit 555	[Pair 4,5]	305
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.7
Insertion Loss Margin (dB)	[Pair 4,5]	21.9
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	8.0	5.3	9.4	8.2
Freq. (MHz)	240.0	165.5	499.0	483.0
Limit (dB)	33.4	36.2	26.1	26.5
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	8.9	4.0	10.1	8.2
Freq. (MHz)	240.0	165.5	462.0	455.0
Limit (dB)	30.5	33.3	24.1	24.3

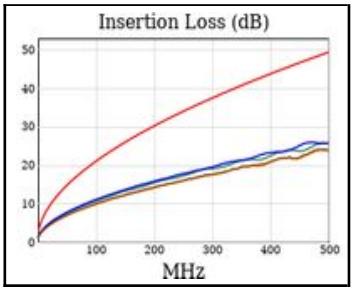
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.1	10.2	9.2
Freq. (MHz)	441.0	452.0	465.0	454.0
Limit (dB)	10.4	10.2	9.9	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.8	10.8	11.0	11.3
Freq. (MHz)	7.3	5.3	440.0	454.0
Limit (dB)	43.1	45.9	7.4	7.1

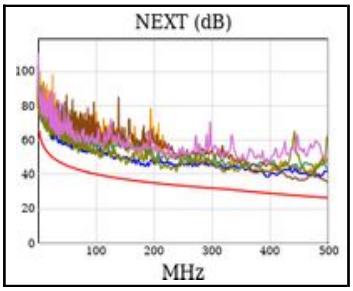
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.8	9.8	32.9	33.0
Freq. (MHz)	3.5	3.1	499.0	488.0
Limit (dB)	60.1	61.1	-23.1	-22.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.1	9.2	34.9	32.2
Freq. (MHz)	3.5	3.3	499.0	488.0
Limit (dB)	57.6	58.2	-26.0	-25.1

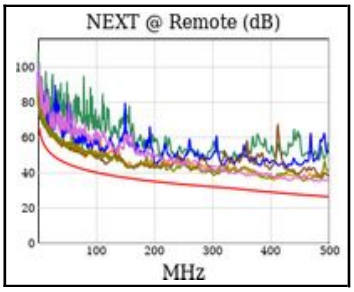
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	4.1	3.0	8.7	6.3
Freq. (MHz)	11.5	11.4	435.0	496.0
Limit (dB)	18.7	18.7	6.0	6.0

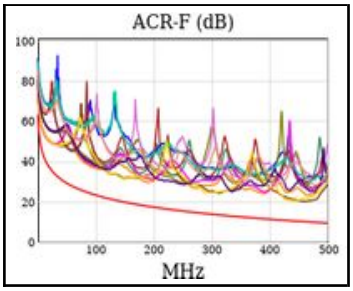
Compliant Network Standards:

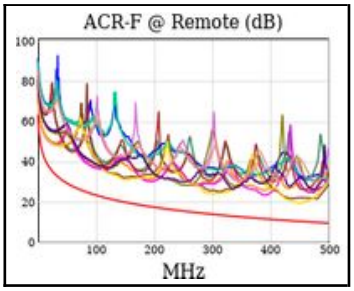
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

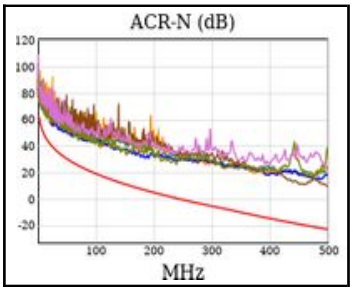


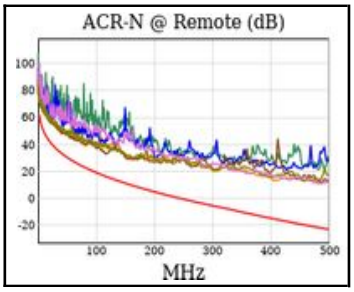


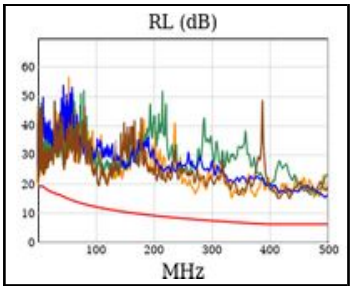


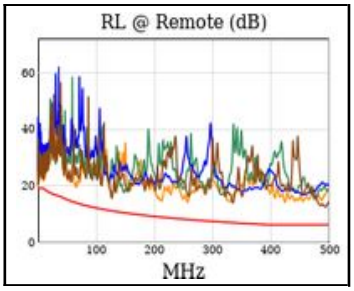












FLUKE networks

LinkWare Live

Cable ID: 113-B

Test Summary: PASS

Date / Time: 12/10/2022 04:02:45 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	295
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.4	4.4	7.4	4.9
Freq. (MHz)	500.0	117.5	500.0	409.0
Limit (dB)	26.1	38.7	26.1	28.5
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	8.6	5.1	9.0	6.9
Freq. (MHz)	156.5	299.0	500.0	458.0
Limit (dB)	33.7	28.8	23.2	24.2

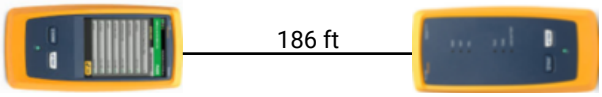
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	9.6	11.4	11.3
Freq. (MHz)	320.0	316.0	497.0	496.0
Limit (dB)	13.2	13.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.3	10.9	10.3
Freq. (MHz)	466.0	478.0	466.0	478.0
Limit (dB)	6.9	6.7	6.9	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	8.8	31.8	34.4
Freq. (MHz)	3.5	3.3	500.0	500.0
Limit (dB)	60.1	60.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.9	9.1	33.4	30.6
Freq. (MHz)	3.5	3.4	500.0	458.0
Limit (dB)	57.6	57.9	-26.1	-22.8

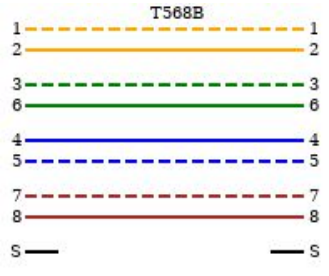
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.3	4.3	7.6	7.0
Freq. (MHz)	13.5	83.5	359.0	497.0
Limit (dB)	18.3	12.8	6.4	6.0

Compliant Network Standards:

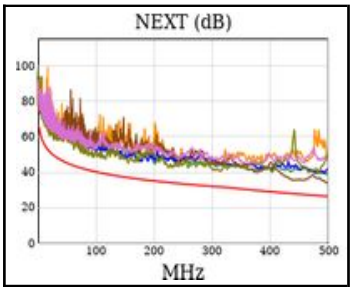
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

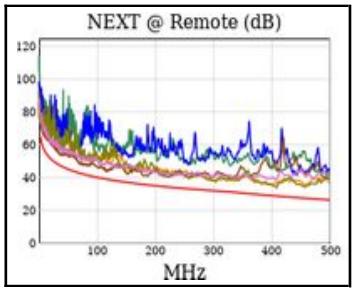


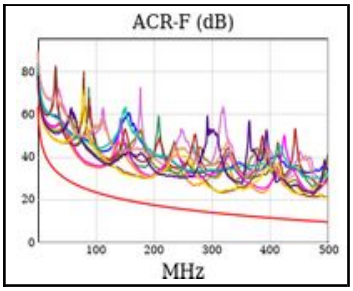
PASS

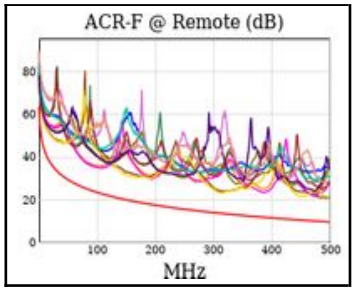


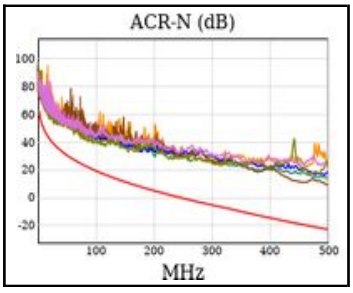


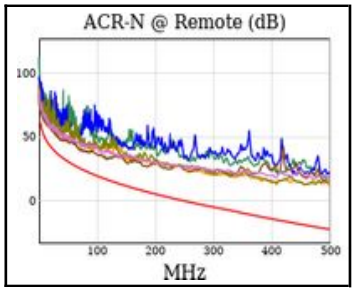


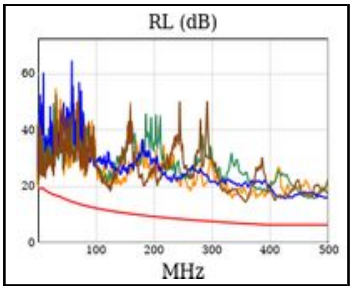


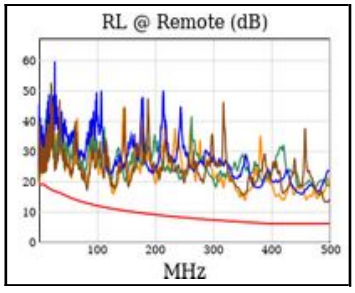












FLUKE networks

LinkWare Live

Cable ID: 113-A

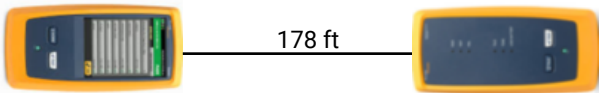
Test Summary: PASS

Date / Time: 11/22/2022 12:15:03 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

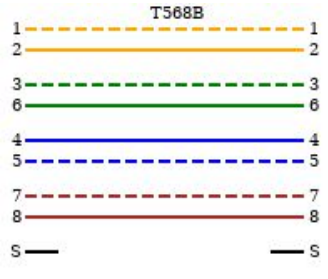
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

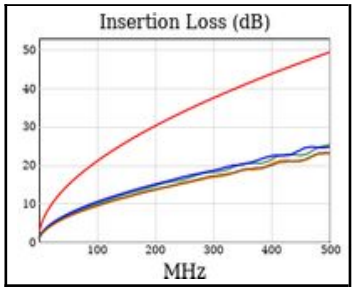
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

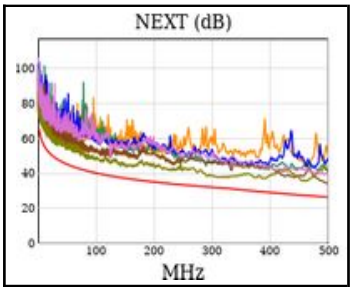
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	275
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

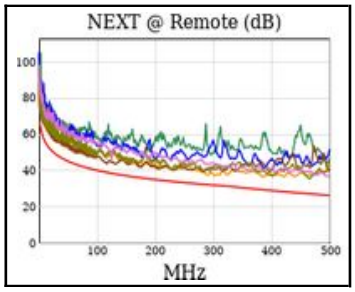


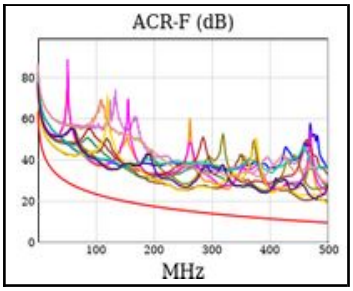
PASS

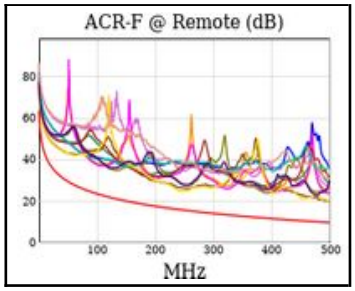


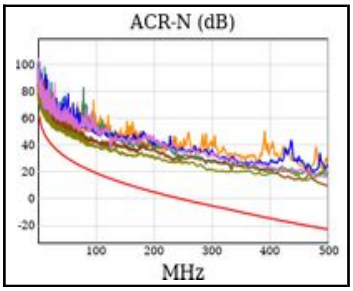


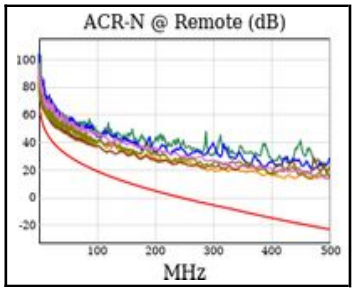


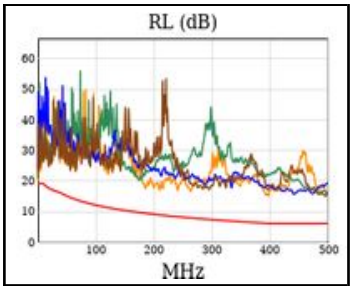


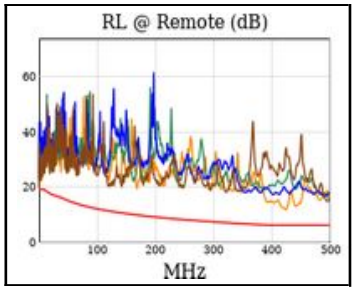












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.6	4.7	8.0	8.5
Freq. (MHz)	309.0	117.0	500.0	467.0
Limit (dB)	31.5	38.8	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.7	4.5	9.1	8.6
Freq. (MHz)	3.8	230.0	498.0	465.0
Limit (dB)	61.0	30.8	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.0	9.3	9.8
Freq. (MHz)	499.0	245.5	499.0	500.0
Limit (dB)	9.3	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.8	10.4	10.8
Freq. (MHz)	245.5	495.0	498.0	495.0
Limit (dB)	12.5	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	9.3	8.2	32.6	36.3
Freq. (MHz)	3.8	3.6	500.0	500.0
Limit (dB)	59.5	59.8	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.9	7.6	33.9	33.0
Freq. (MHz)	3.8	3.6	500.0	468.0
Limit (dB)	57.0	57.3	-26.1	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.0	5.5	8.9	5.5
Freq. (MHz)	19.9	425.0	399.0	425.0
Limit (dB)	17.5	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 113-B

Test Summary: PASS

Date / Time: 11/22/2022 12:15:39 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	274
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 7,8]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	23.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	5.4	4.6	8.4	6.0
Freq. (MHz)	313.0	115.5	495.0	496.0
Limit (dB)	31.4	38.9	26.2	26.2
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	7.2	5.6	9.5	7.4
Freq. (MHz)	3.8	167.0	459.0	471.0
Limit (dB)	61.0	33.2	24.2	23.9

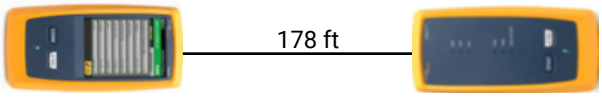
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.8	10.4	10.6
Freq. (MHz)	258.0	258.0	467.0	500.0
Limit (dB)	15.0	15.0	9.9	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.3	10.5	12.0
Freq. (MHz)	500.0	6.0	500.0	500.0
Limit (dB)	6.3	44.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	10.0	8.5	32.1	31.1
Freq. (MHz)	3.6	3.6	495.0	496.0
Limit (dB)	59.8	59.8	-22.8	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.4	8.0	33.7	32.2
Freq. (MHz)	3.8	3.6	494.0	496.0
Limit (dB)	57.0	57.3	-25.6	-25.8

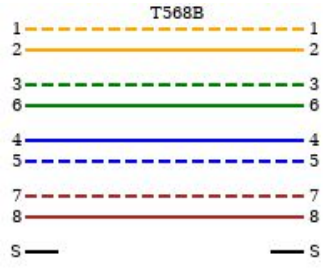
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.7	5.2	7.6	5.3
Freq. (MHz)	20.0	10.5	498.0	435.0
Limit (dB)	17.5	18.9	6.0	6.0

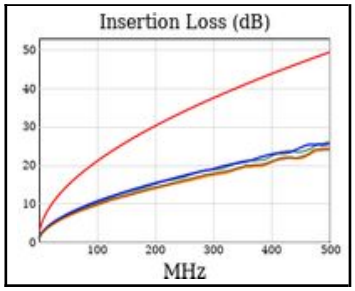
Compliant Network Standards:

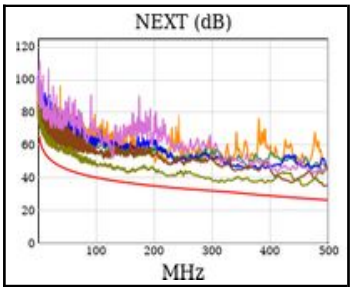
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

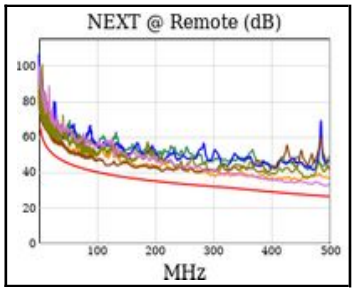


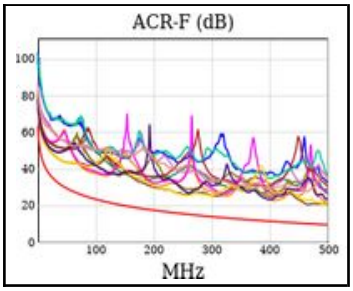
PASS

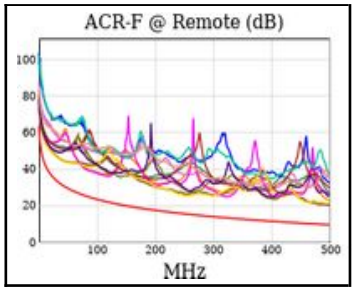


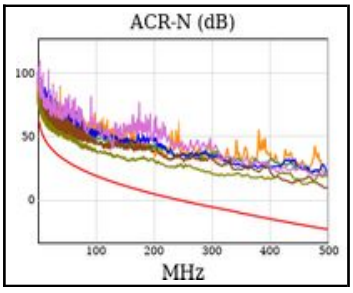


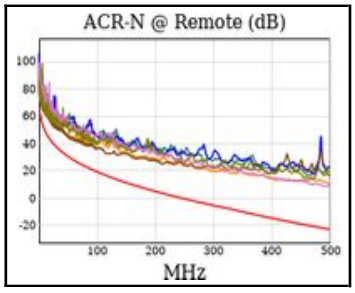


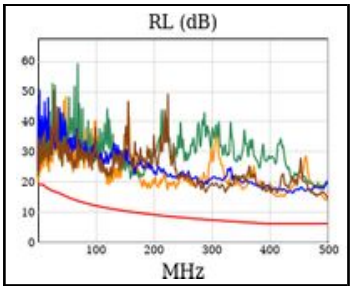


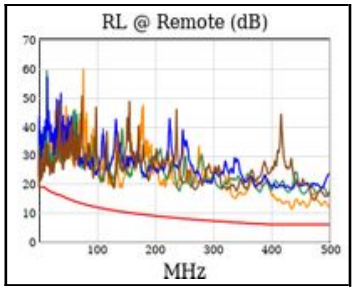












FLUKE networks

LinkWare Live

Cable ID: 113-B

Test Summary: PASS

Date / Time: 12/19/2022 01:58:09 PM
Headroom: 6.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	255
Prop. Delay (ns), Limit 555	[Pair 4,5]	403
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	13.4
Insertion Loss Margin (dB)	[Pair 3,6]	10.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	3,6-4,5
NEXT (dB)	6.6	8.1	9.0	8.2
Freq. (MHz)	55.0	3.6	466.0	495.0
Limit (dB)	44.3	63.7	26.9	26.2
Worst Pair	3,6	4,5	7,8	4,5
PS NEXT (dB)	5.4	7.7	8.8	7.8
Freq. (MHz)	157.0	494.0	462.0	495.0
Limit (dB)	33.7	23.4	24.1	23.3

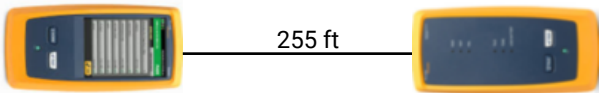
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	4,5-3,6
ACR-F (dB)	10.0	9.6	10.0	10.4
Freq. (MHz)	479.0	242.5	479.0	440.0
Limit (dB)	9.7	15.6	9.7	10.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.5	10.0	11.0	12.2
Freq. (MHz)	249.0	251.0	484.0	443.0
Limit (dB)	12.3	12.3	6.6	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	3,6-4,5
ACR-N (dB)	8.0	9.4	22.5	19.2
Freq. (MHz)	3.6	3.6	500.0	495.0
Limit (dB)	59.8	59.8	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.9	10.2	20.1	18.8
Freq. (MHz)	3.6	3.8	462.0	495.0
Limit (dB)	57.3	57.0	-23.1	-25.7

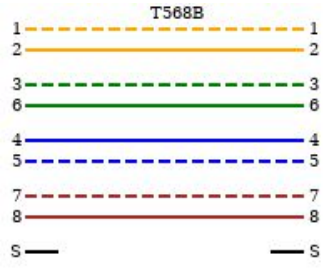
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	4.7	4.1	8.8	7.2
Freq. (MHz)	6.0	134.5	498.0	493.0
Limit (dB)	19.0	10.7	6.0	6.0

Compliant Network Standards:

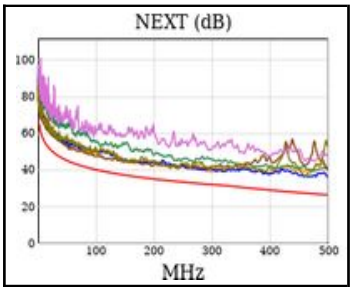
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

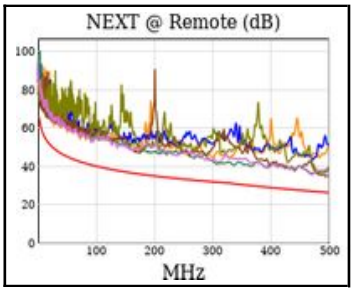


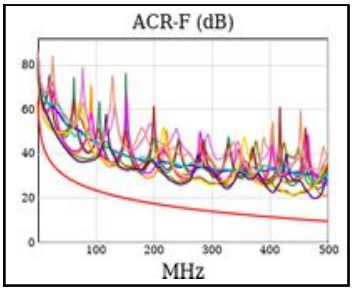
PASS

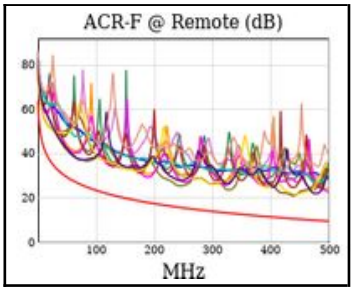


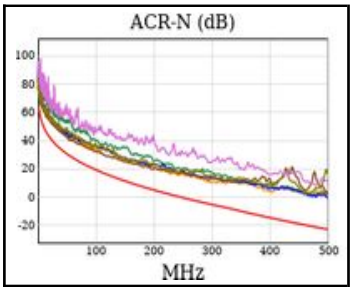


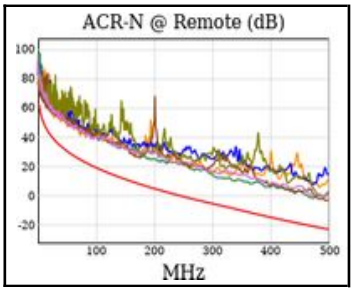


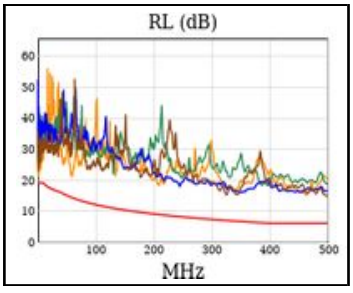


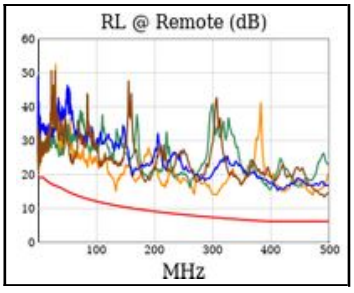












FLUKE networks

LinkWare Live

Cable ID: 114-A

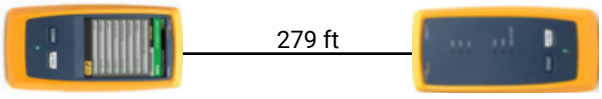
Test Summary: PASS

Date / Time: 12/19/2022 02:01:11 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

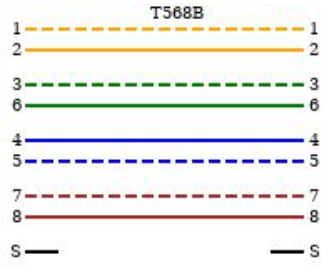
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	444
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	20.4
Insertion Loss Margin (dB)	[Pair 3,6]	6.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

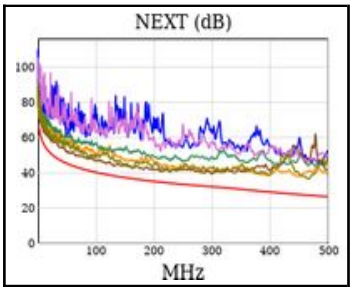


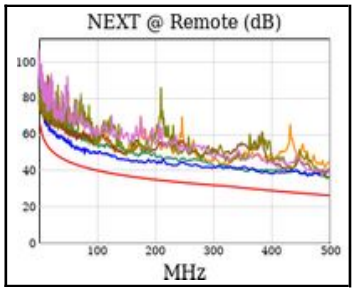
PASS



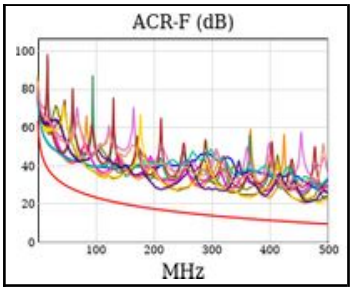


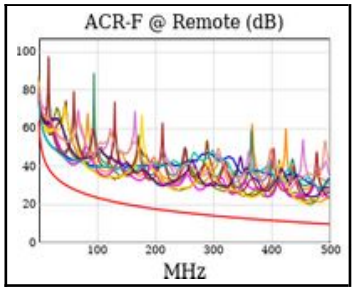
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-7,8	1,2-4,5
NEXT (dB)	5.5	7.1	9.1	9.3
Freq. (MHz)	131.0	79.0	468.0	496.0
Limit (dB)	37.9	41.7	26.9	26.2
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.3	8.8	8.5	8.8
Freq. (MHz)	164.0	498.0	401.0	498.0
Limit (dB)	33.4	23.3	25.8	23.3



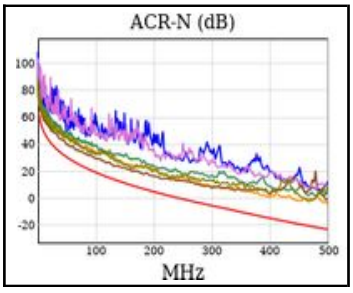


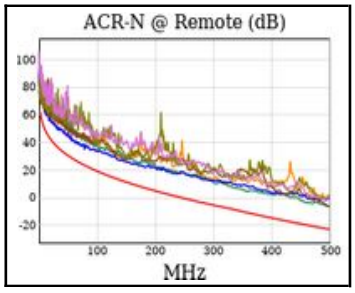
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	10.5	9.8	10.7	9.8
Freq. (MHz)	462.0	468.0	486.0	468.0
Limit (dB)	10.0	9.9	9.5	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	9.9	10.9	9.9
Freq. (MHz)	226.5	463.0	463.0	463.0
Limit (dB)	13.2	6.9	6.9	6.9



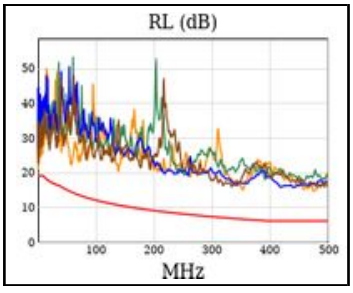


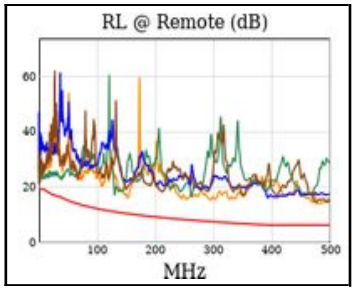
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	6.7	8.9	18.7	16.2
Freq. (MHz)	3.4	3.3	500.0	496.0
Limit (dB)	60.4	60.7	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.2	9.7	17.0	15.6
Freq. (MHz)	3.4	3.5	469.0	498.0
Limit (dB)	57.9	57.6	-23.6	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.7	3.6	8.6	7.6
Freq. (MHz)	6.6	8.4	476.0	483.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-B

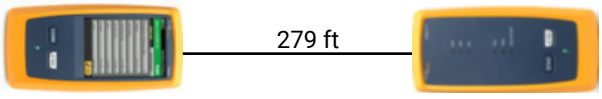
Test Summary: PASS

Date / Time: 12/19/2022 02:01:32 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

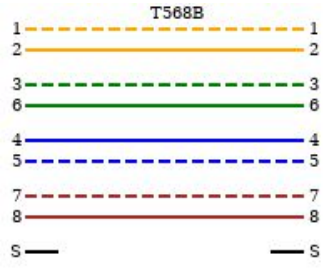
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	443
Delay Skew (ns), Limit 50	[Pair 4,5]	27
Resistance (ohms)	[Pair 3,6]	20.4
Insertion Loss Margin (dB)	[Pair 3,6]	6.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



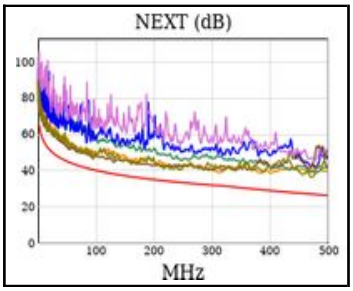
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	7.8	9.3	9.3
Freq. (MHz)	95.8	3.5	472.0	500.0
Limit (dB)	40.2	64.0	26.8	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.3	8.9	9.8	9.2
Freq. (MHz)	96.0	84.3	471.0	500.0
Limit (dB)	37.4	38.4	23.9	23.2

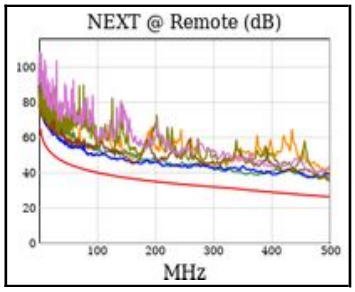
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	8.4	8.3	9.8	10.0
Freq. (MHz)	371.0	375.0	464.0	459.0
Limit (dB)	11.9	11.8	9.9	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	9.4	9.9	10.1
Freq. (MHz)	464.0	398.0	464.0	464.0
Limit (dB)	6.9	8.3	6.9	6.9

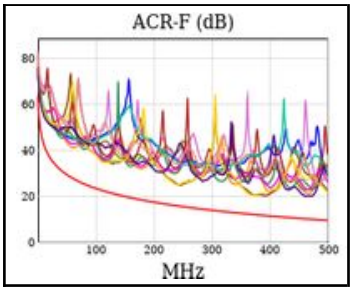
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.1	8.9	19.6	16.7
Freq. (MHz)	3.4	3.5	500.0	500.0
Limit (dB)	60.4	60.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.5	10.4	17.0	16.6
Freq. (MHz)	3.4	3.5	472.0	500.0
Limit (dB)	57.9	57.6	-23.9	-26.1

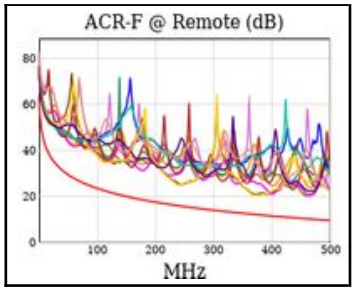
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	4.0	3.6	8.1	7.1
Freq. (MHz)	58.5	6.1	472.0	494.0
Limit (dB)	14.3	19.0	6.0	6.0

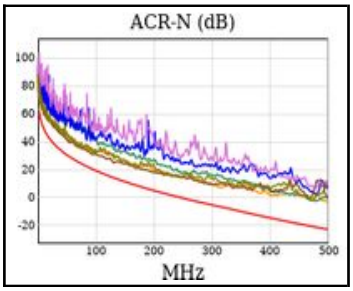


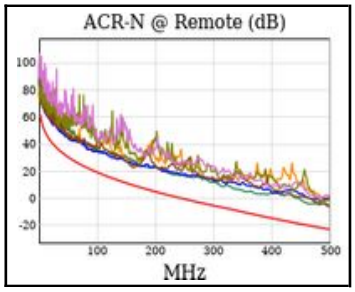


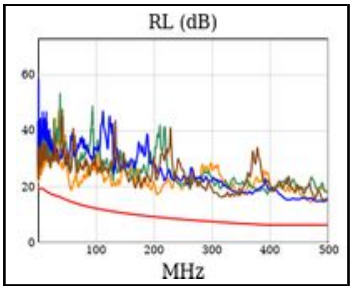


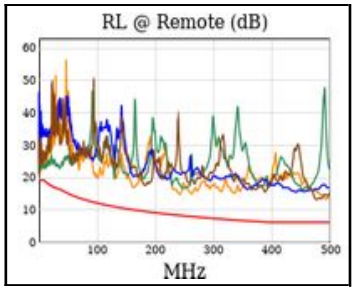












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-A

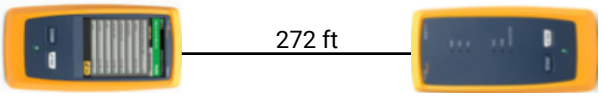
Test Summary: PASS

Date / Time: 11/26/2022 03:29:09 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

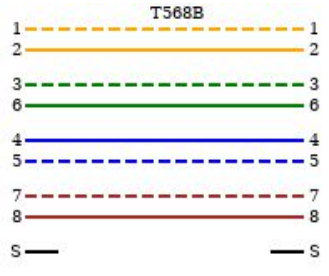
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

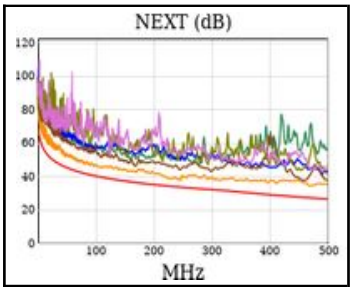
Length (ft), Limit 328	[Pair 1,2]	272
Prop. Delay (ns), Limit 555	[Pair 3,6]	421
Delay Skew (ns), Limit 50	[Pair 3,6]	16
Resistance (ohms)	[Pair 3,6]	16.1
Insertion Loss Margin (dB)	[Pair 4,5]	12.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

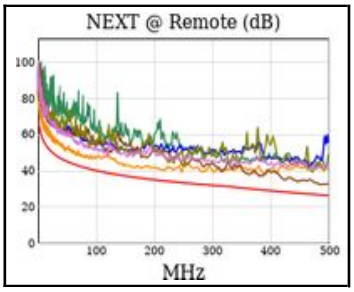


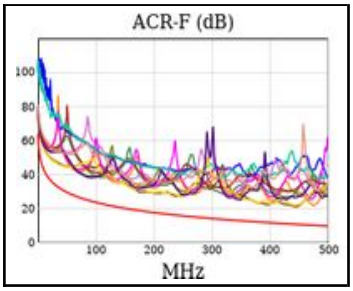
PASS

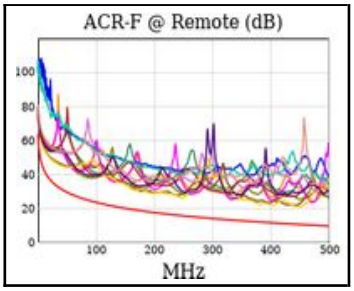


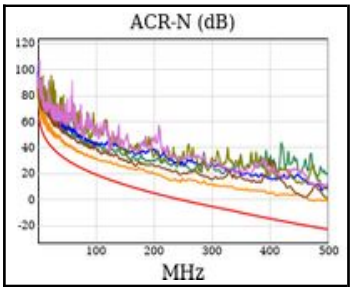


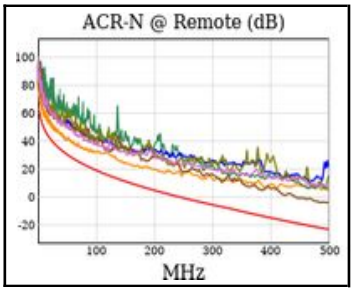


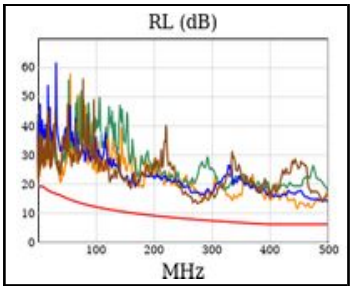


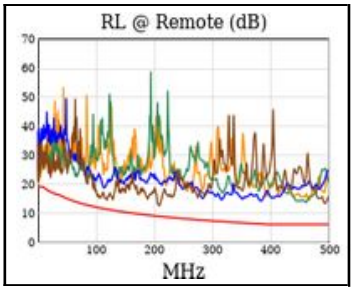












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	5.1	7.0	5.6
Freq. (MHz)	247.5	165.5	468.0	487.0
Limit (dB)	33.2	36.2	26.9	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	6.9	8.9	7.8
Freq. (MHz)	247.5	165.5	500.0	491.0
Limit (dB)	30.2	33.3	23.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.3	10.3	10.4
Freq. (MHz)	446.0	248.5	446.0	449.0
Limit (dB)	10.3	15.4	10.3	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.3	11.5	12.4	12.3
Freq. (MHz)	2.8	5.3	442.0	445.0
Limit (dB)	51.5	45.9	7.3	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.5	7.9	21.4	19.0
Freq. (MHz)	6.3	6.3	500.0	500.0
Limit (dB)	54.8	54.8	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.6	21.8	20.2
Freq. (MHz)	3.6	3.8	500.0	491.0
Limit (dB)	57.3	57.0	-26.1	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.2	3.2	5.4	3.7
Freq. (MHz)	38.8	119.5	448.0	209.5
Limit (dB)	16.1	11.2	6.0	8.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-A

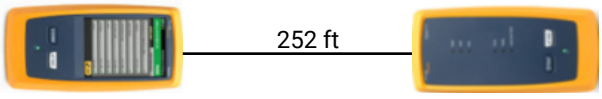
Test Summary: PASS

Date / Time: 11/27/2022 12:18:38 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

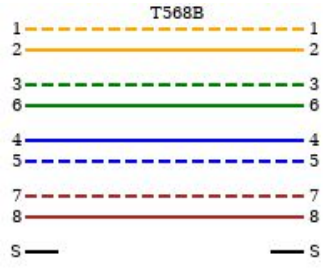
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

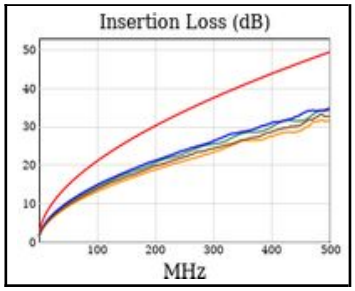
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

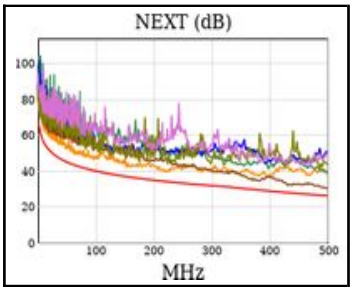
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	400
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	12.9
Insertion Loss Margin (dB)	[Pair 4,5]	14.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

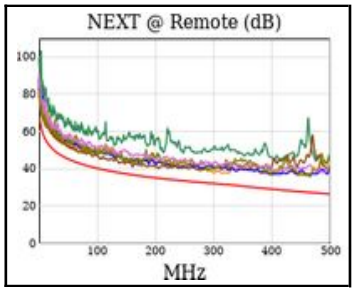


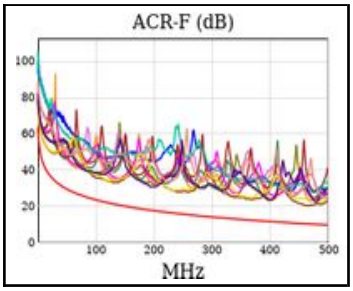
PASS

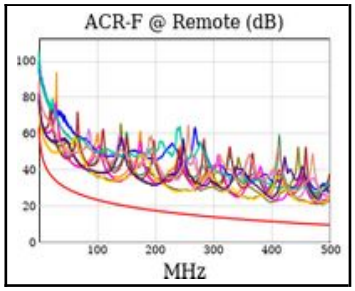


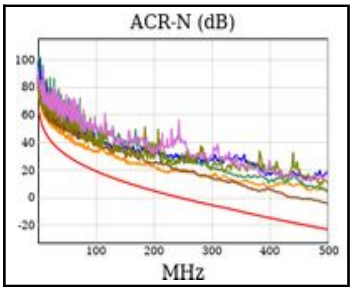


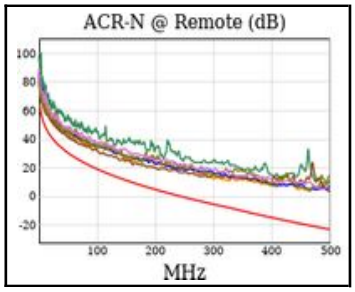


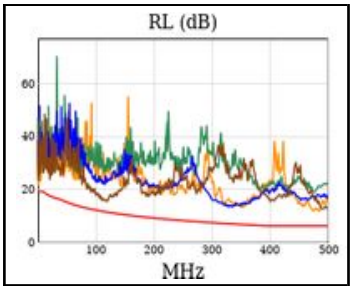


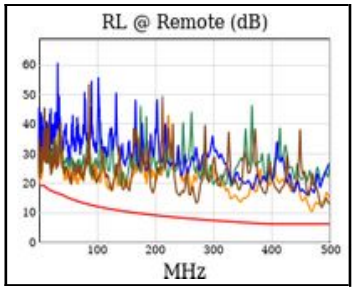












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.9	4.1	3.9	8.4
Freq. (MHz)	500.0	162.0	500.0	466.0
Limit (dB)	26.1	36.4	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	4.3	6.2	8.3
Freq. (MHz)	500.0	162.5	500.0	466.0
Limit (dB)	23.2	33.4	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	10.5	10.0	11.3
Freq. (MHz)	468.0	400.0	468.0	489.0
Limit (dB)	9.9	11.2	9.9	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	9.8	11.3	9.9
Freq. (MHz)	479.0	479.0	480.0	480.0
Limit (dB)	6.7	6.7	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	8.6	7.9	18.4	25.9
Freq. (MHz)	4.0	5.0	500.0	500.0
Limit (dB)	58.9	56.9	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.9	7.3	20.8	25.9
Freq. (MHz)	2.8	5.1	500.0	500.0
Limit (dB)	58.5	54.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.1	3.2	5.5	4.2
Freq. (MHz)	121.0	6.0	486.0	470.0
Limit (dB)	11.2	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-B

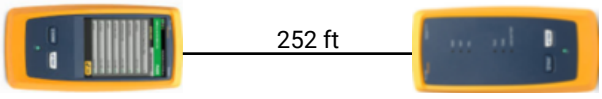
Test Summary: PASS

Date / Time: 11/27/2022 12:24:30 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

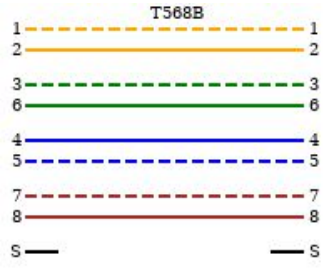
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

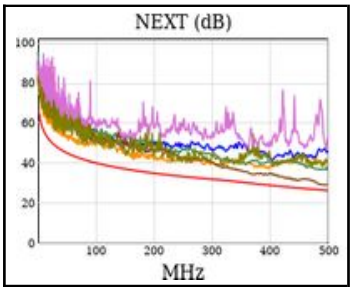
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	400
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	12.9
Insertion Loss Margin (dB)	[Pair 4,5]	14.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

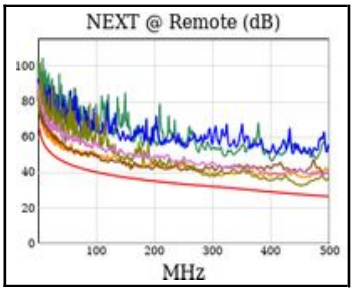


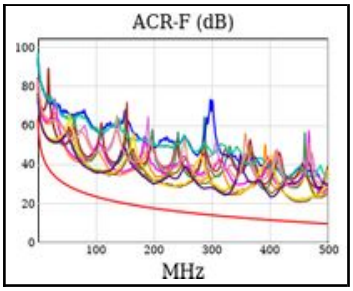
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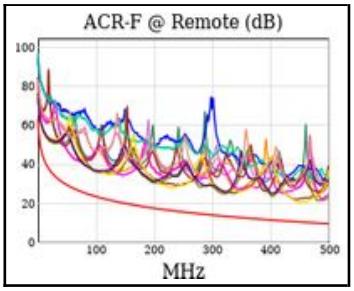


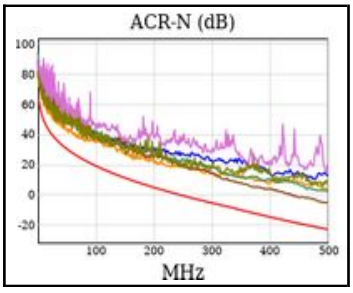


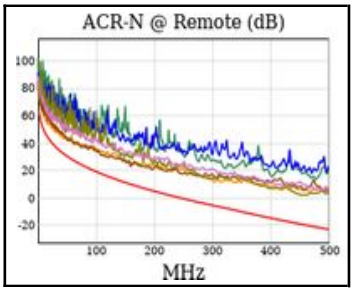


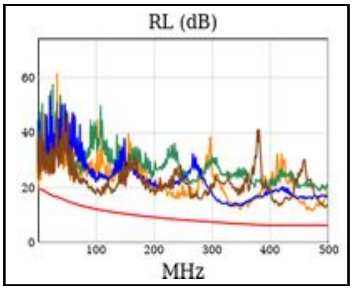


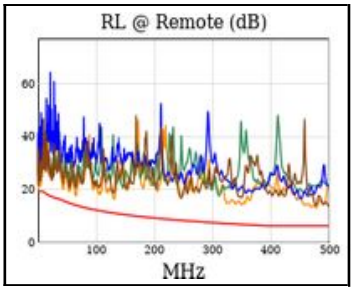












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	2.5	4.8	2.5	4.8
Freq. (MHz)	497.0	453.0	497.0	453.0
Limit (dB)	26.2	27.3	26.2	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.7	5.1	4.7	6.1
Freq. (MHz)	500.0	305.0	500.0	453.0
Limit (dB)	23.2	28.6	23.2	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.1	10.5	10.1
Freq. (MHz)	452.0	451.0	453.0	451.0
Limit (dB)	10.2	10.2	10.1	10.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.7	11.4	12.1	11.5
Freq. (MHz)	323.0	484.0	447.0	489.0
Limit (dB)	10.1	6.6	7.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	8.8	8.4	17.5	21.8
Freq. (MHz)	6.6	6.8	500.0	462.0
Limit (dB)	54.2	54.0	-23.2	-20.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	9.5	19.6	21.7
Freq. (MHz)	6.8	6.8	500.0	462.0
Limit (dB)	51.5	51.5	-26.1	-23.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.5	2.4	5.3	6.7
Freq. (MHz)	6.0	6.0	473.0	479.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-1-A

Test Summary: PASS

Date / Time: 11/21/2022 04:35:02 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	189
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	5.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.9
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	3.3	4.1	4.7
Freq. (MHz)	499.0	230.5	499.0	473.0
Limit (dB)	26.1	33.7	26.1	26.8
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	5.0	5.2	5.6	6.4
Freq. (MHz)	218.5	228.0	500.0	474.0
Limit (dB)	31.2	30.9	23.2	23.8

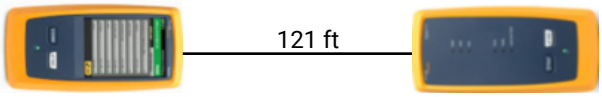
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.7	11.2	11.1
Freq. (MHz)	380.0	434.0	444.0	463.0
Limit (dB)	11.7	10.5	10.3	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.8	12.9	11.8
Freq. (MHz)	15.1	1.1	464.0	397.0
Limit (dB)	36.7	59.2	6.9	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.6	8.9	37.3	36.3
Freq. (MHz)	8.8	8.8	499.0	474.0
Limit (dB)	51.5	51.5	-23.1	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.8	38.6	37.9
Freq. (MHz)	8.8	3.1	499.0	477.0
Limit (dB)	48.9	58.3	-26.0	-24.3

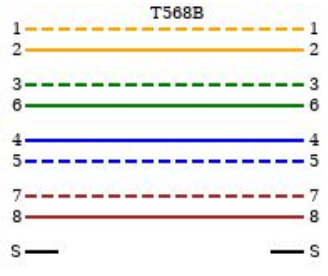
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	4,5
RL (dB)	3.8	4.4	6.6	6.9
Freq. (MHz)	24.0	24.0	500.0	443.0
Limit (dB)	17.1	17.1	6.0	6.0

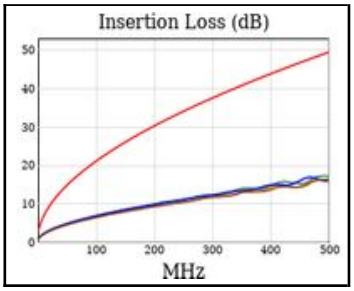
Compliant Network Standards:

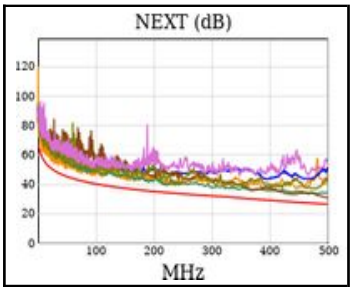
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

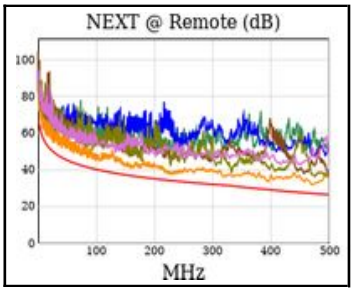


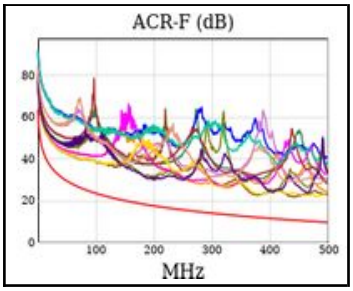
PASS

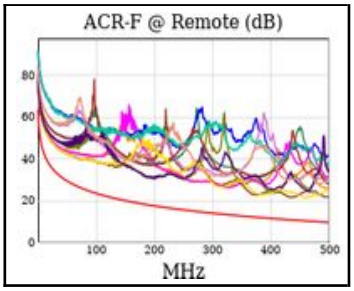


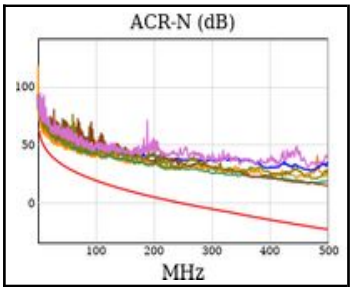


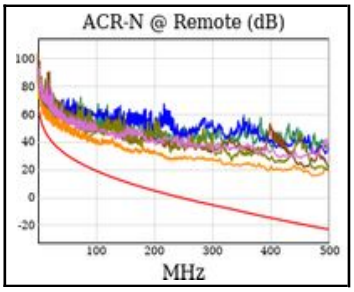


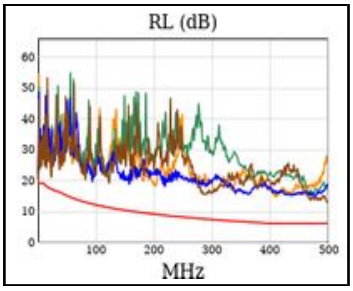


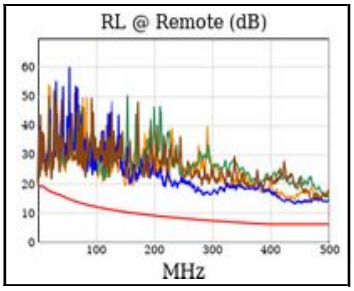












FLUKE networks

LinkWare Live

Cable ID: 114-1-B

Test Summary: PASS

Date / Time: 11/21/2022 04:36:27 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	122
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	5.6
Insertion Loss Margin (dB)	[Pair 3,6]	31.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.3	3.0	3.3	3.3
Freq. (MHz)	498.0	236.0	498.0	466.0
Limit (dB)	26.1	33.5	26.1	26.9
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	4.8	5.4	4.8	5.4
Freq. (MHz)	495.0	466.0	495.0	466.0
Limit (dB)	23.3	24.0	23.3	24.0

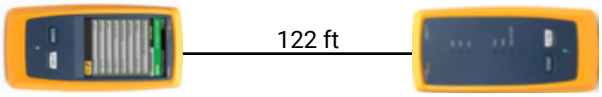
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.2	10.8	10.2
Freq. (MHz)	387.0	434.0	448.0	434.0
Limit (dB)	11.5	10.5	10.2	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.2	12.8	13.7
Freq. (MHz)	15.1	1.1	469.0	492.0
Limit (dB)	36.7	59.2	6.8	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	10.6	36.5	36.9
Freq. (MHz)	5.8	5.6	500.0	497.0
Limit (dB)	55.6	55.8	-23.2	-23.0
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.9	11.5	36.9	38.3
Freq. (MHz)	5.8	5.8	496.0	498.0
Limit (dB)	53.0	53.0	-25.8	-25.9

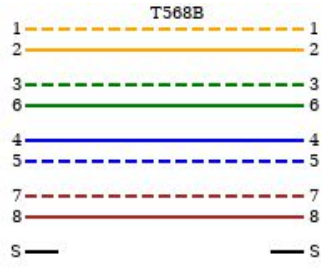
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	6.8	6.9	6.8	6.9
Freq. (MHz)	474.0	491.0	474.0	491.0
Limit (dB)	6.0	6.0	6.0	6.0

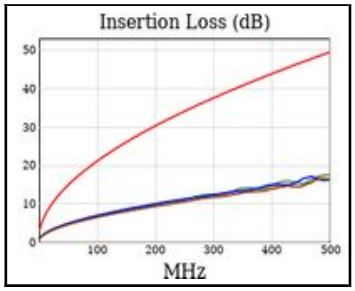
Compliant Network Standards:

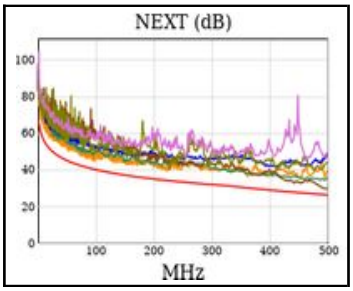
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

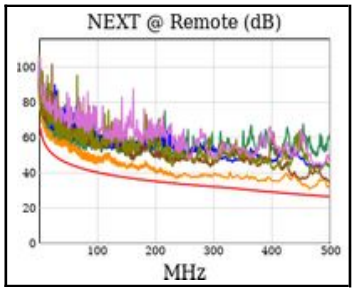


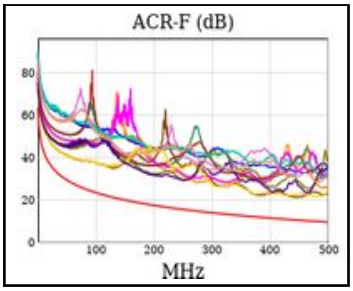
PASS

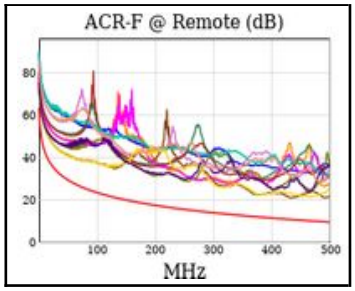


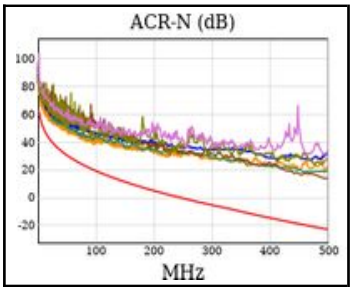


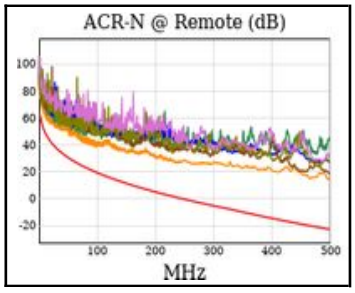


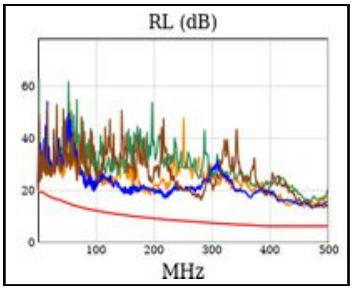


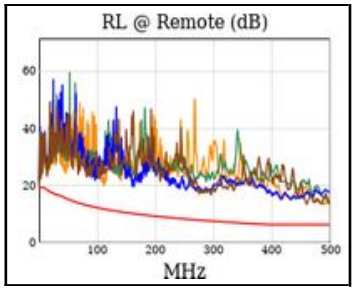












FLUKE networks

LinkWare Live

Cable ID: 114-2-A

Test Summary: PASS

Date / Time: 11/21/2022 04:38:39 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	217
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.6	3.4	5.6	5.4
Freq. (MHz)	91.8	222.0	500.0	493.0
Limit (dB)	40.6	34.0	26.1	26.3
Worst Pair	1,2	3,6	3,6	1,2
PS NEXT (dB)	5.7	5.3	6.9	7.3
Freq. (MHz)	91.8	227.0	494.0	493.0
Limit (dB)	37.7	30.9	23.4	23.4

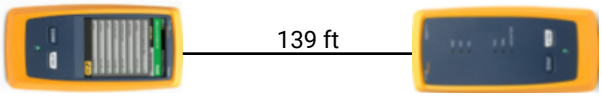
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	3,6-4,5
ACR-F (dB)	10.3	10.2	12.1	10.3
Freq. (MHz)	380.0	374.0	492.0	388.0
Limit (dB)	11.7	11.8	9.4	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.6	12.3	14.3
Freq. (MHz)	1.0	5.6	490.0	492.0
Limit (dB)	60.3	45.3	6.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	9.3	36.7	35.0
Freq. (MHz)	5.0	17.8	500.0	493.0
Limit (dB)	56.9	43.9	-23.2	-22.7
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.8	11.0	36.5	37.2
Freq. (MHz)	5.0	5.3	494.0	493.0
Limit (dB)	54.3	53.9	-25.6	-25.5

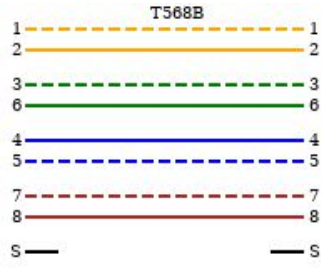
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	4,5
RL (dB)	6.0	6.4	7.7	6.5
Freq. (MHz)	21.4	18.4	438.0	446.0
Limit (dB)	17.4	17.7	6.0	6.0

Compliant Network Standards:

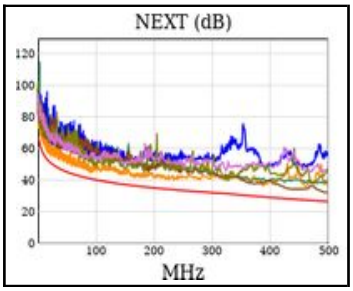
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

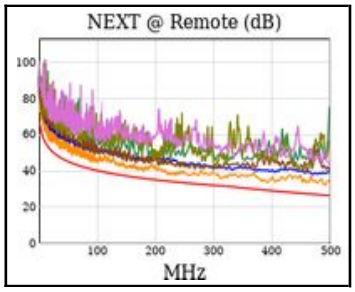


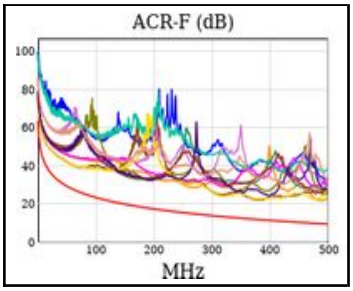
PASS

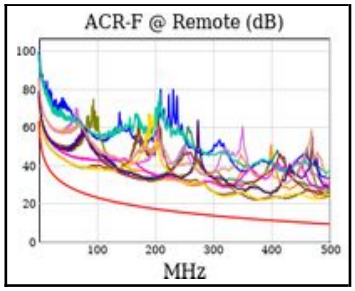


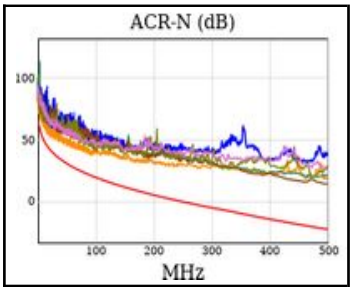


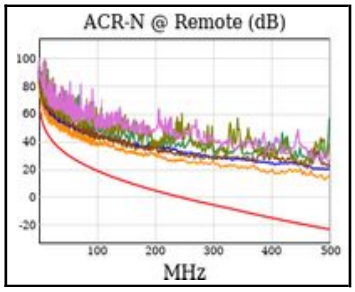


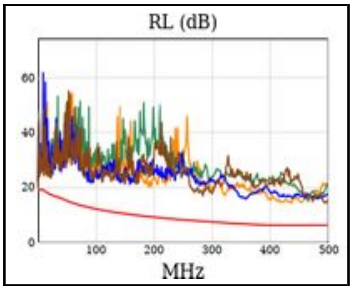


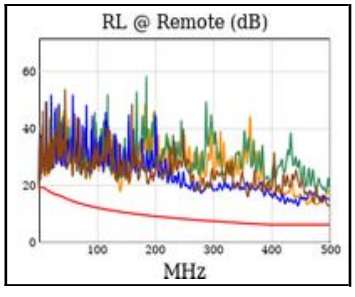












FLUKE networks

LinkWare Live

Cable ID: 114-2-B

Test Summary: PASS

Date / Time: 11/21/2022 04:39:22 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	217
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.6	2.3	4.5	4.4
Freq. (MHz)	68.8	56.0	494.0	465.0
Limit (dB)	42.7	44.2	26.2	27.0
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.7	4.7	6.6	6.6
Freq. (MHz)	30.4	56.0	496.0	465.0
Limit (dB)	45.9	41.4	23.3	24.1

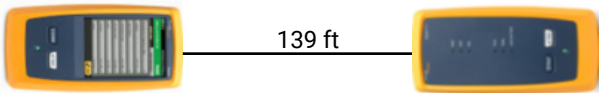
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	4,5-3,6
ACR-F (dB)	10.4	10.2	12.1	10.5
Freq. (MHz)	320.0	320.0	490.0	375.0
Limit (dB)	13.2	13.2	9.5	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.0	12.3	13.4
Freq. (MHz)	5.8	5.8	494.0	497.0
Limit (dB)	45.1	45.1	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.7	8.0	35.2	35.2
Freq. (MHz)	7.4	7.5	494.0	488.0
Limit (dB)	53.2	53.0	-22.7	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.1	36.1	37.9
Freq. (MHz)	4.9	4.9	496.0	497.0
Limit (dB)	54.6	54.6	-25.8	-25.8

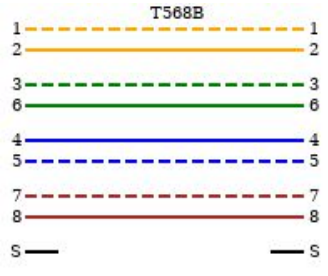
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	5.8	5.7	5.8	5.7
Freq. (MHz)	422.0	483.0	422.0	483.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

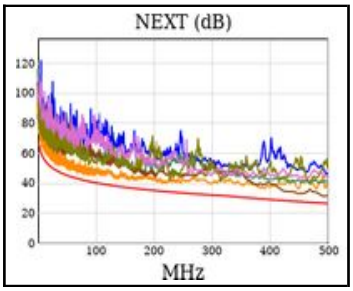
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

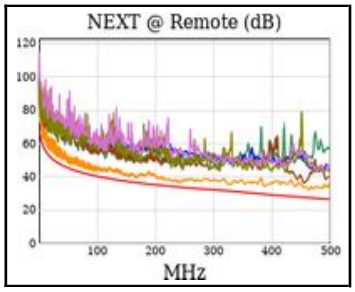


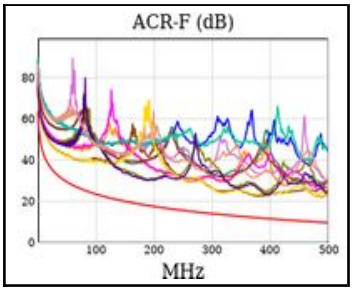
PASS

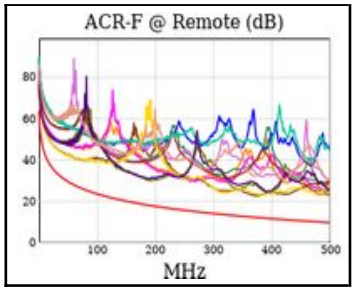


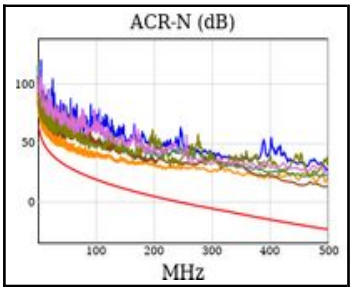


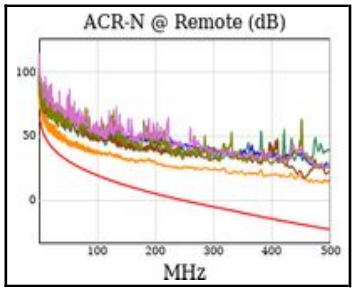


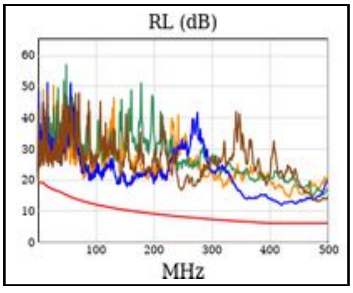


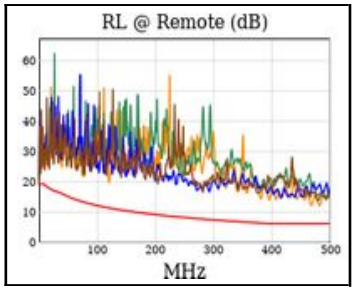












FLUKE networks

LinkWare Live

Cable ID: 113-B

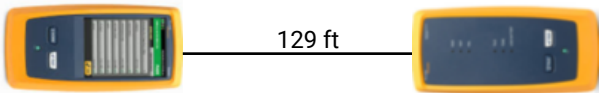
Test Summary: PASS

Date / Time: 11/22/2022 04:59:42 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

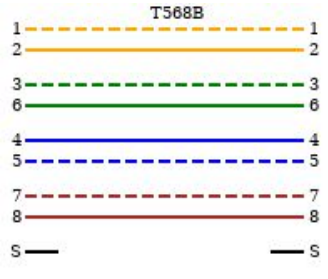
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

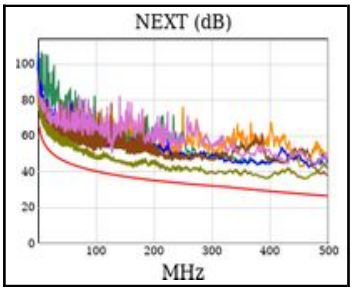
Length (ft), Limit 328	[Pair 1,2]	129
Prop. Delay (ns), Limit 555	[Pair 3,6]	200
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

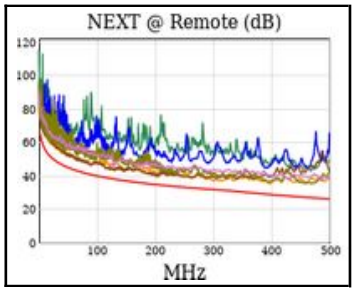


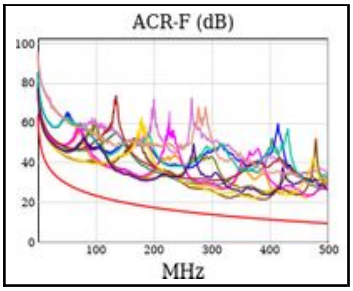
PASS

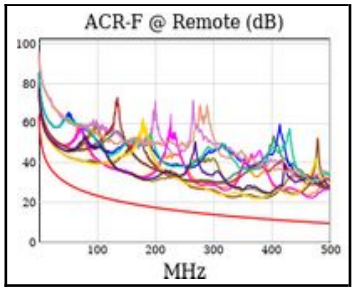


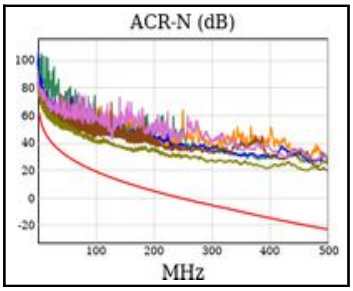


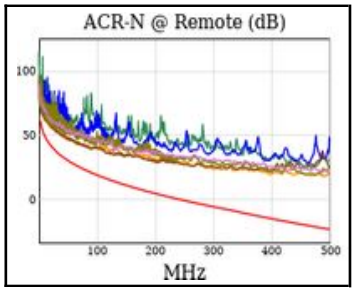


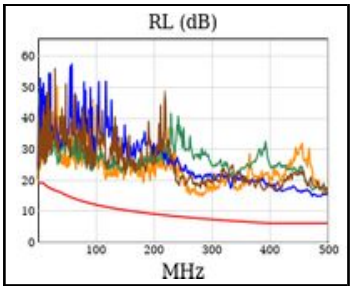


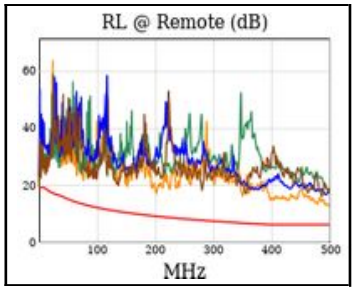












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.7	4.8	8.4	6.3
Freq. (MHz)	165.5	302.0	460.0	397.0
Limit (dB)	36.2	31.7	27.1	28.8
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	7.1	4.7	10.8	6.0
Freq. (MHz)	5.1	263.0	468.0	396.0
Limit (dB)	58.8	29.8	24.0	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.3	9.6	9.9	10.0
Freq. (MHz)	333.0	333.0	391.0	375.0
Limit (dB)	12.8	12.8	11.4	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.5	11.5	11.8
Freq. (MHz)	327.0	329.0	375.0	404.0
Limit (dB)	10.0	9.9	8.8	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	11.0	9.9	39.7	40.2
Freq. (MHz)	2.8	5.0	465.0	492.0
Limit (dB)	61.5	56.9	-20.4	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.5	43.1	39.1
Freq. (MHz)	5.1	5.1	500.0	475.0
Limit (dB)	54.1	54.1	-26.1	-24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.8	6.4	6.8	6.4
Freq. (MHz)	285.0	498.0	285.0	498.0
Limit (dB)	7.5	6.0	7.5	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-A

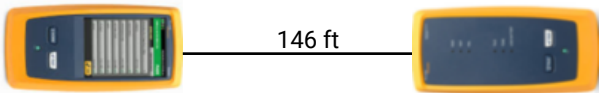
Test Summary: PASS

Date / Time: 11/22/2022 05:03:20 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

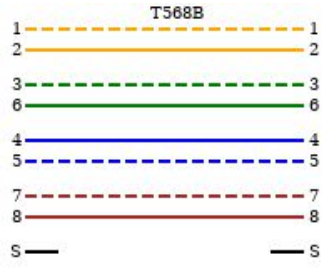
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 3,6]	225
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.6	3.4	7.9	7.6
Freq. (MHz)	313.0	122.5	498.0	464.0
Limit (dB)	31.4	38.4	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.4	4.2	8.6	7.4
Freq. (MHz)	24.0	77.3	491.0	462.0
Limit (dB)	47.6	39.0	23.4	24.1

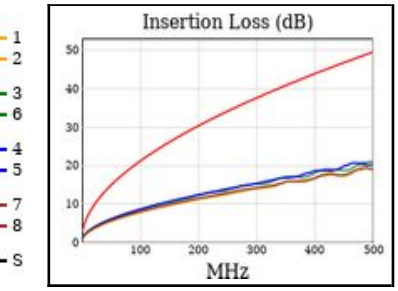
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.7	11.2	11.1
Freq. (MHz)	393.0	397.0	454.0	450.0
Limit (dB)	11.4	11.3	10.1	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.5	12.9	13.4
Freq. (MHz)	5.1	5.1	498.0	496.0
Limit (dB)	46.1	46.1	6.3	6.3

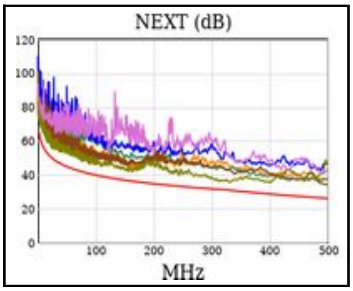
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	8.9	37.1	37.5
Freq. (MHz)	4.5	4.5	498.0	480.0
Limit (dB)	57.8	57.8	-23.1	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	7.9	37.1	35.9
Freq. (MHz)	4.5	4.6	498.0	465.0
Limit (dB)	55.3	55.1	-25.9	-23.3

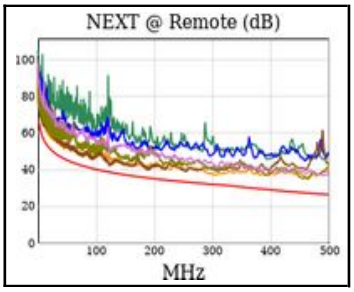
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.3	6.0	5.3	6.0
Freq. (MHz)	434.0	485.0	434.0	485.0
Limit (dB)	6.0	6.0	6.0	6.0

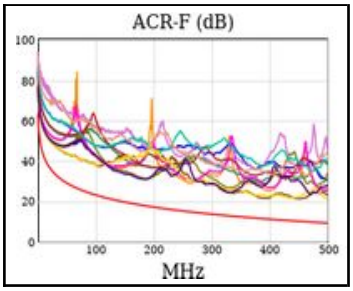
Compliant Network Standards:

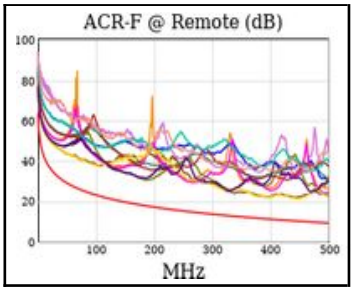
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

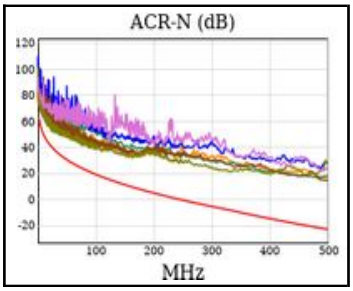


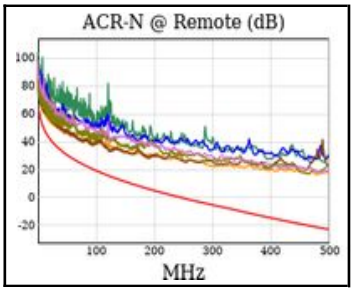


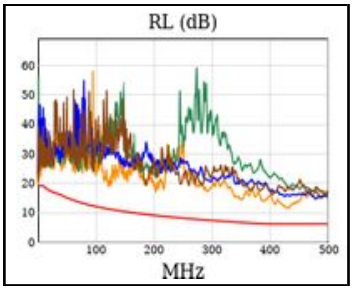


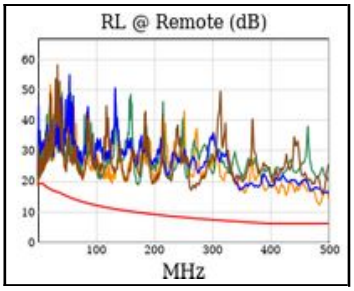












FLUKE networks

LinkWare Live

Cable ID: 113-B

Test Summary: PASS

Date / Time: 11/21/2022 01:31:20 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	118
Prop. Delay (ns), Limit 555	[Pair 3,6]	183
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 7,8]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	31.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.2	4.6	6.5	5.4
Freq. (MHz)	163.5	283.0	464.0	477.0
Limit (dB)	36.3	32.2	27.0	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.2	6.8	9.0	8.2
Freq. (MHz)	163.5	229.5	500.0	500.0
Limit (dB)	33.4	30.8	23.2	23.2

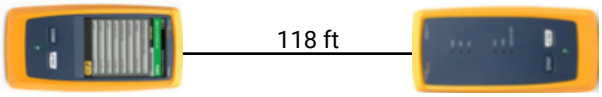
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	10.2	9.9	10.2
Freq. (MHz)	382.0	382.0	382.0	382.0
Limit (dB)	11.6	11.6	11.6	11.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.2	11.0	12.2	12.3
Freq. (MHz)	9.1	9.1	382.0	396.0
Limit (dB)	41.1	41.1	8.6	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.9	13.1	40.5	37.1
Freq. (MHz)	3.0	3.1	500.0	477.0
Limit (dB)	61.4	61.1	-23.2	-21.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.3	13.1	41.1	40.3
Freq. (MHz)	5.4	3.3	500.0	500.0
Limit (dB)	53.7	58.2	-26.1	-26.1

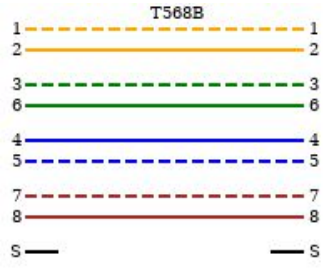
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.8	7.0	7.4	7.0
Freq. (MHz)	59.5	484.0	497.0	484.0
Limit (dB)	14.3	6.0	6.0	6.0

Compliant Network Standards:

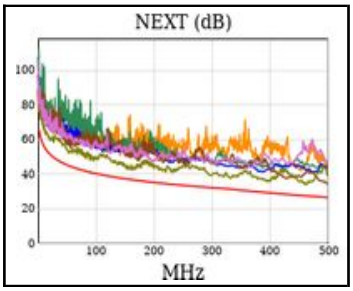
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

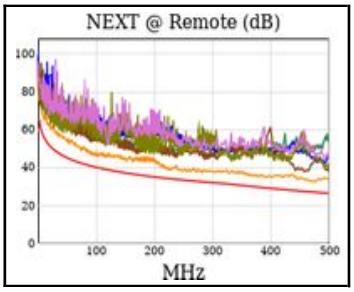


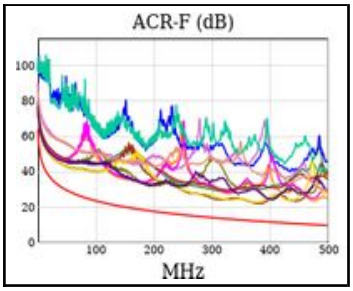
PASS

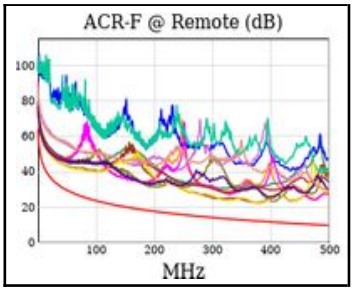


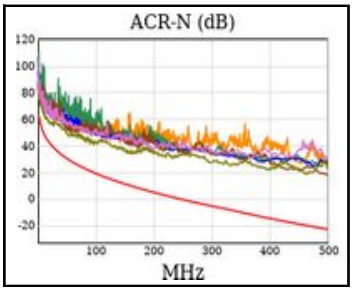


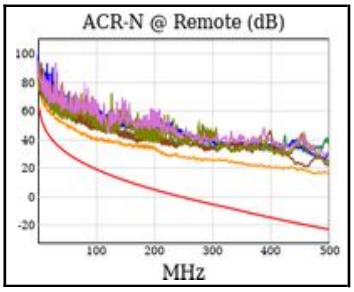


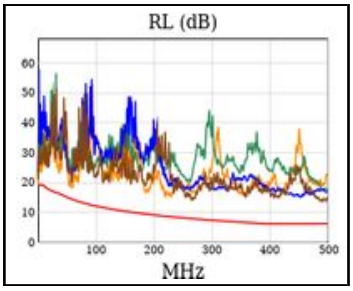


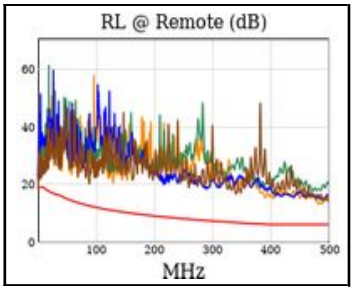












FLUKE networks

LinkWare Live

Cable ID: 114-A

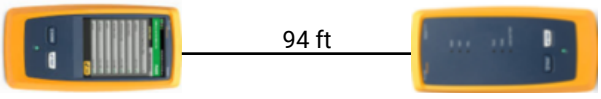
Test Summary: PASS

Date / Time: 12/22/2022 12:18:27 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

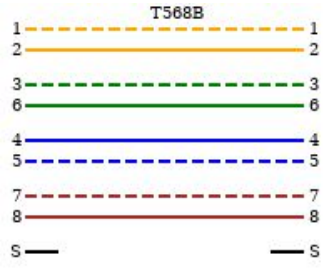
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	94
Prop. Delay (ns), Limit 555	[Pair 4,5]	147
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	35.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

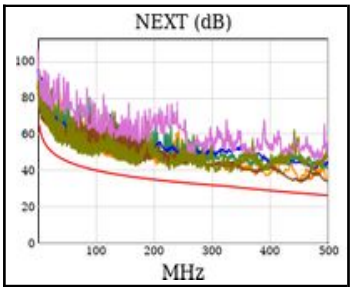


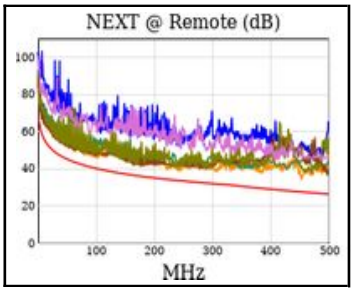
PASS



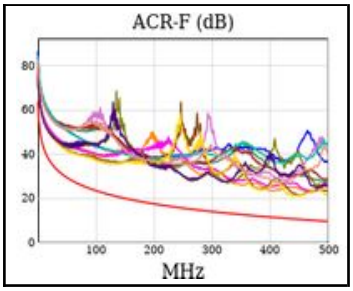


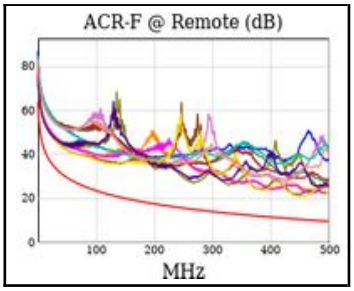
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	5.5	5.1	5.5	6.6
Freq. (MHz)	453.0	222.0	453.0	454.0
Limit (dB)	27.3	34.0	27.3	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	5.0	5.9	8.9
Freq. (MHz)	453.0	243.0	453.0	454.0
Limit (dB)	24.4	30.4	24.4	24.3



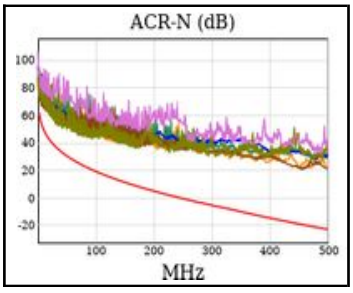


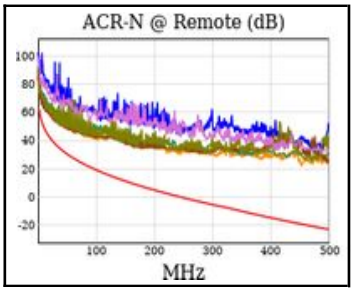
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.1	10.3	10.2
Freq. (MHz)	439.0	451.0	439.0	455.0
Limit (dB)	10.4	10.2	10.4	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.0	12.1	12.0
Freq. (MHz)	1.4	1.4	499.0	480.0
Limit (dB)	57.5	57.5	6.3	6.6



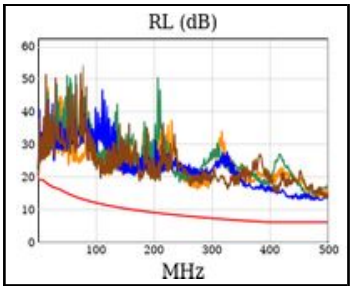


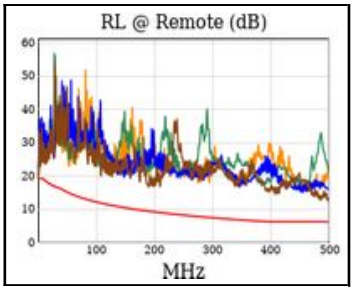
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.4	9.6	39.7	41.1
Freq. (MHz)	3.4	3.5	456.0	454.0
Limit (dB)	60.4	60.1	-19.7	-19.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	10.2	43.8	46.0
Freq. (MHz)	3.4	3.4	500.0	498.0
Limit (dB)	57.9	57.9	-26.1	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	7,8
RL (dB)	6.6	6.1	6.6	6.1
Freq. (MHz)	478.0	487.0	478.0	487.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-B

Test Summary: PASS

Date / Time: 12/22/2022 12:18:46 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL IDF111

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	94
Prop. Delay (ns), Limit 555	[Pair 4,5]	147
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	35.3
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.7	5.8	8.6	6.7
Freq. (MHz)	306.0	176.0	497.0	393.0
Limit (dB)	31.6	35.7	26.2	28.9
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	7.0	6.2	10.1	9.0
Freq. (MHz)	168.0	242.0	481.0	455.0
Limit (dB)	33.2	30.4	23.7	24.3

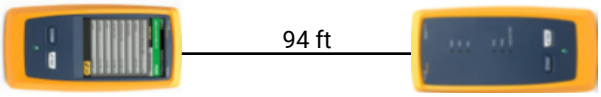
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.3	10.6	10.3
Freq. (MHz)	441.0	454.0	457.0	454.0
Limit (dB)	10.4	10.1	10.1	10.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.2	10.5	12.3	12.3
Freq. (MHz)	1.4	11.8	461.0	500.0
Limit (dB)	57.5	38.9	7.0	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	13.0	12.0	45.2	46.4
Freq. (MHz)	3.5	3.4	497.0	498.0
Limit (dB)	60.1	60.4	-23.0	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	11.6	45.3	46.6
Freq. (MHz)	3.6	3.6	486.0	498.0
Limit (dB)	57.3	57.3	-25.0	-25.9

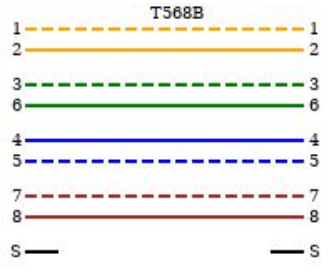
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.6	5.6	5.6	6.5
Freq. (MHz)	485.0	187.5	485.0	493.0
Limit (dB)	6.0	9.3	6.0	6.0

Compliant Network Standards:

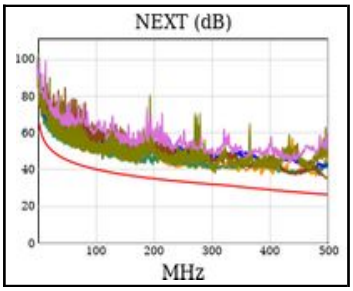
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

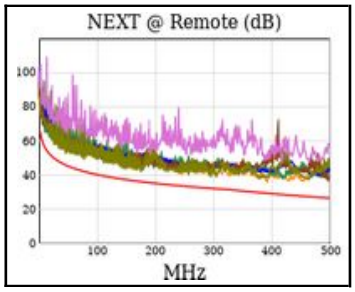


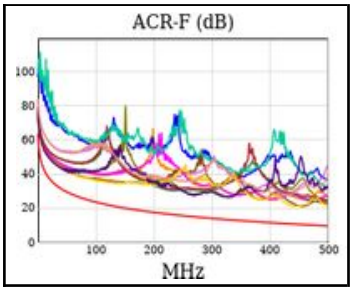
PASS

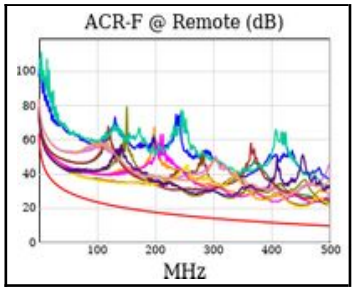


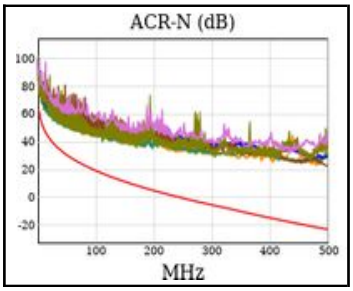


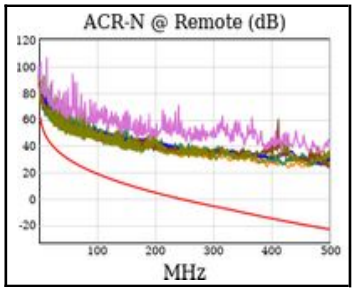


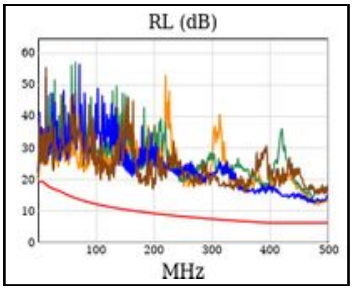


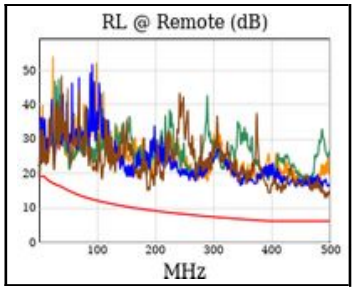












FLUKE networks

LinkWare Live

Cable ID: 113-B

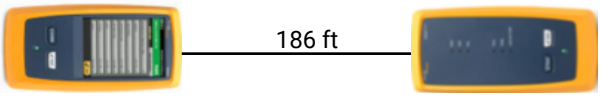
Test Summary: PASS

Date / Time: 12/10/2022 04:02:45 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

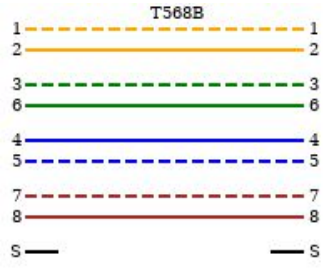
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

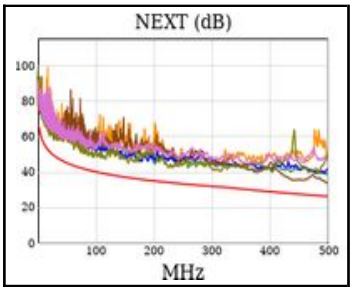
Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	295
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

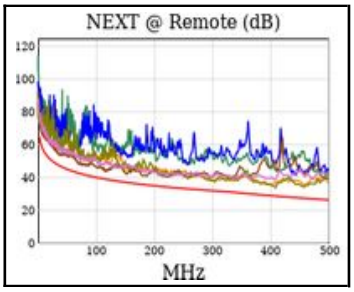


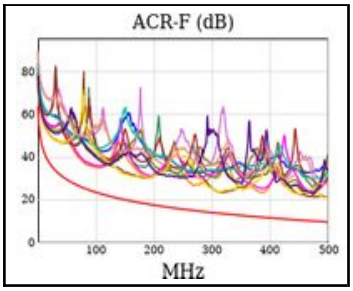
PASS

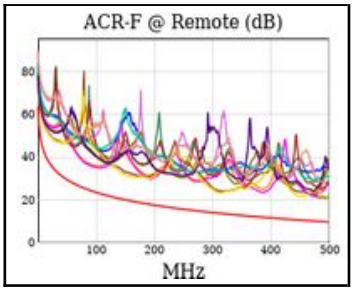


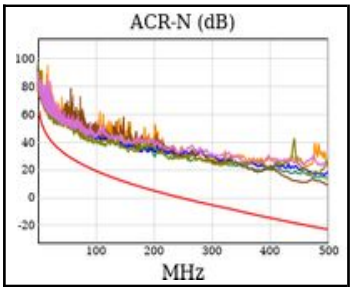


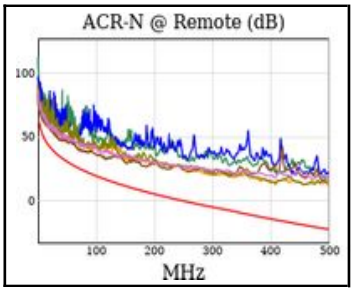


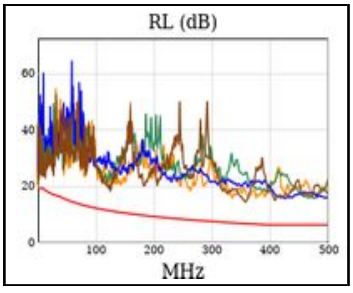


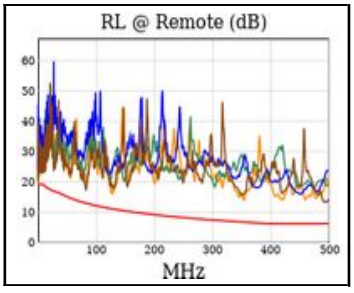












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.4	4.4	7.4	4.9
Freq. (MHz)	500.0	117.5	500.0	409.0
Limit (dB)	26.1	38.7	26.1	28.5
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	8.6	5.1	9.0	6.9
Freq. (MHz)	156.5	299.0	500.0	458.0
Limit (dB)	33.7	28.8	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	9.6	11.4	11.3
Freq. (MHz)	320.0	316.0	497.0	496.0
Limit (dB)	13.2	13.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.3	10.9	10.3
Freq. (MHz)	466.0	478.0	466.0	478.0
Limit (dB)	6.9	6.7	6.9	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	8.8	31.8	34.4
Freq. (MHz)	3.5	3.3	500.0	500.0
Limit (dB)	60.1	60.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.9	9.1	33.4	30.6
Freq. (MHz)	3.5	3.4	500.0	458.0
Limit (dB)	57.6	57.9	-26.1	-22.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.3	4.3	7.6	7.0
Freq. (MHz)	13.5	83.5	359.0	497.0
Limit (dB)	18.3	12.8	6.4	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-A

Test Summary: PASS

Date / Time: 12/10/2022 03:40:49 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	5.7
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	6.1	4.4	6.1	8.8
Freq. (MHz)	439.0	167.0	439.0	463.0
Limit (dB)	27.6	36.1	27.6	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	8.5	4.8	8.5	7.1
Freq. (MHz)	439.0	205.5	439.0	397.0
Limit (dB)	24.7	31.6	24.7	25.9

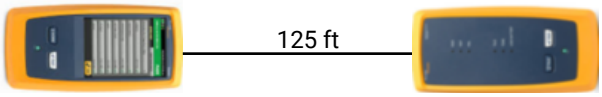
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.0	8.9	9.0	8.9
Freq. (MHz)	498.0	494.0	498.0	494.0
Limit (dB)	9.3	9.4	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	11.4	11.0
Freq. (MHz)	1.0	1.0	498.0	500.0
Limit (dB)	60.3	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	13.1	10.8	40.0	41.7
Freq. (MHz)	2.8	5.0	498.0	488.0
Limit (dB)	61.5	56.9	-23.1	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	11.4	42.0	42.8
Freq. (MHz)	2.8	5.1	498.0	500.0
Limit (dB)	58.5	54.1	-25.9	-26.1

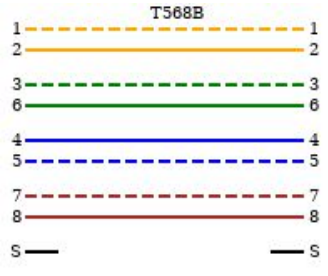
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.0	4.7	7.7	4.7
Freq. (MHz)	123.0	500.0	459.0	500.0
Limit (dB)	11.1	6.0	6.0	6.0

Compliant Network Standards:

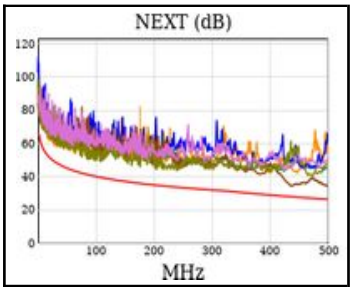
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

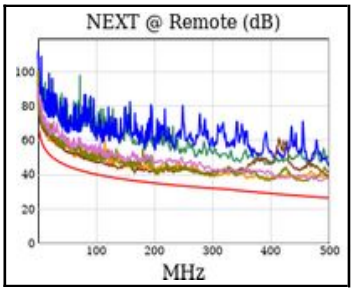


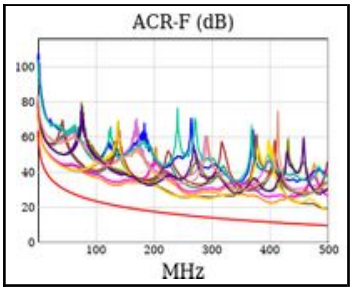
PASS

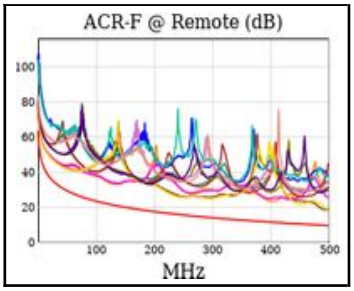


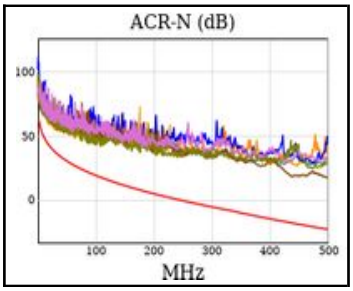


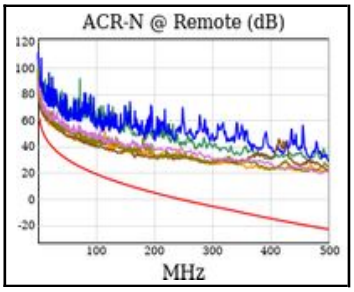


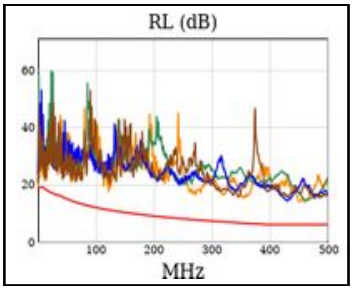


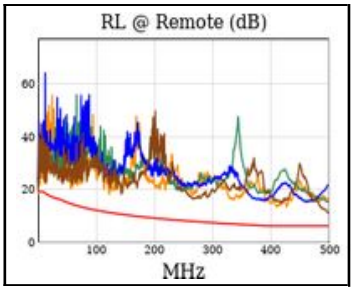












FLUKE networks

LinkWare Live

Cable ID: 114-B

Test Summary: PASS

Date / Time: 12/10/2022 03:45:08 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 4,5]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.9	5.0	5.9	7.8
Freq. (MHz)	499.0	91.0	499.0	466.0
Limit (dB)	26.1	40.6	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.4	5.7	8.4	7.8
Freq. (MHz)	499.0	91.0	499.0	463.0
Limit (dB)	23.3	37.8	23.3	24.1

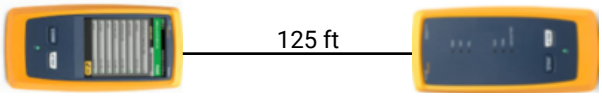
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	11.4	11.3	11.7	11.4
Freq. (MHz)	257.0	240.0	500.0	496.0
Limit (dB)	15.1	15.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.6	12.7
Freq. (MHz)	1.0	1.1	500.0	480.0
Limit (dB)	60.3	59.2	6.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.6	11.3	37.9	39.6
Freq. (MHz)	3.0	5.0	499.0	468.0
Limit (dB)	61.4	56.9	-23.1	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	11.3	40.1	38.8
Freq. (MHz)	3.1	5.0	499.0	463.0
Limit (dB)	58.3	54.3	-26.0	-23.2

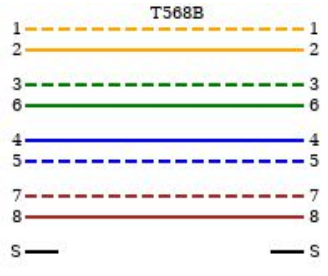
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	7.0	6.3	7.0	6.3
Freq. (MHz)	474.0	498.0	474.0	498.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

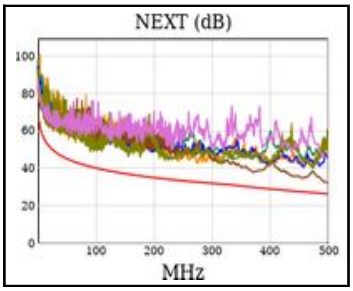
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

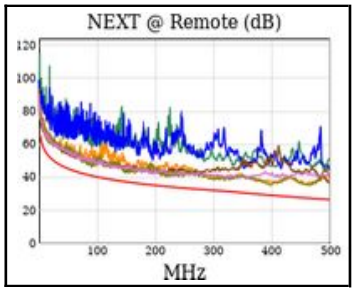


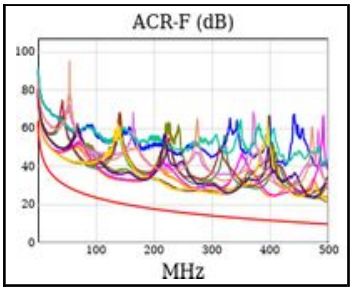
PASS

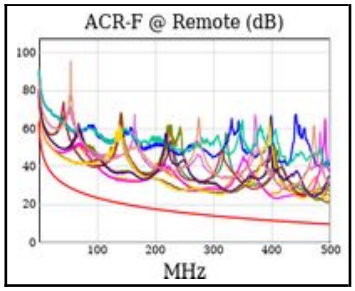


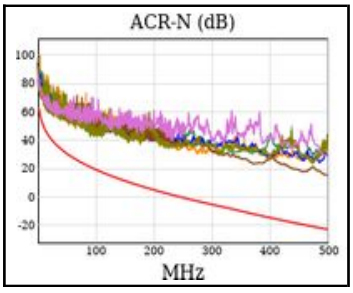


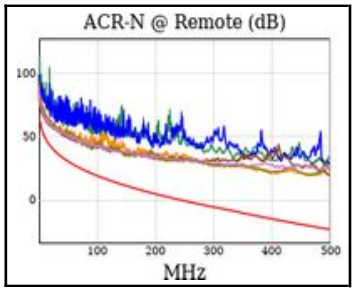


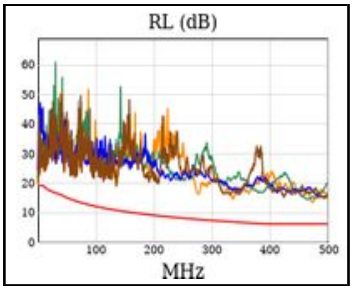


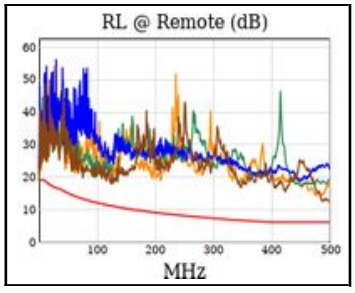












FLUKE networks

LinkWare Live

Cable ID: 114-A

Test Summary: PASS

Date / Time: 11/22/2022 12:20:14 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	128
Prop. Delay (ns), Limit 555	[Pair 3,6]	198
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	4.2	5.1	7.6	6.5
Freq. (MHz)	159.0	111.0	491.0	495.0
Limit (dB)	36.5	39.2	26.3	26.2
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	6.2	4.7	9.0	7.7
Freq. (MHz)	5.1	77.8	500.0	467.0
Limit (dB)	58.8	39.0	23.2	24.0

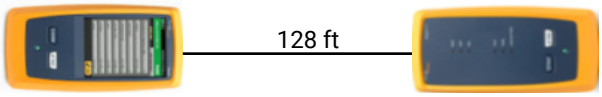
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.5	10.9	10.5
Freq. (MHz)	374.0	379.0	374.0	379.0
Limit (dB)	11.8	11.7	11.8	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.8	12.4	12.6
Freq. (MHz)	328.0	9.1	395.0	396.0
Limit (dB)	9.9	41.1	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	10.0	9.7	39.4	38.8
Freq. (MHz)	2.9	5.0	500.0	495.0
Limit (dB)	61.4	56.9	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.4	8.8	40.0	37.8
Freq. (MHz)	5.4	5.3	500.0	469.0
Limit (dB)	53.7	53.9	-26.1	-23.6

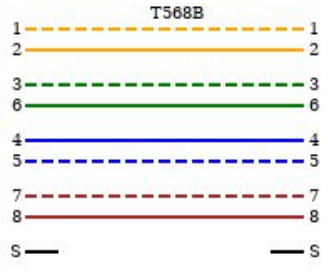
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	7.4	6.4	7.4
Freq. (MHz)	192.5	404.0	498.0	404.0
Limit (dB)	9.2	6.0	6.0	6.0

Compliant Network Standards:

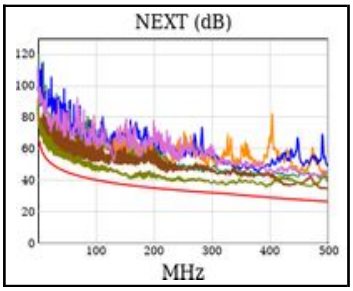
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

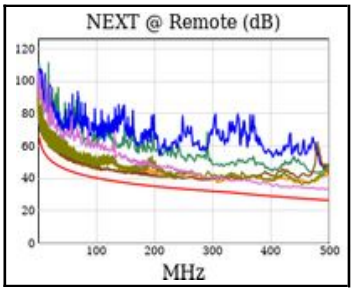


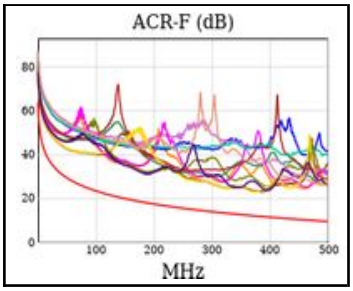
PASS

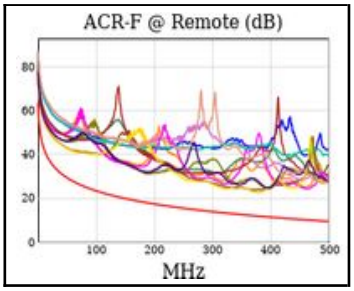


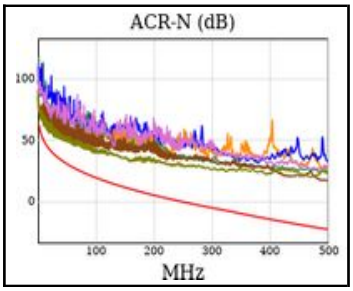


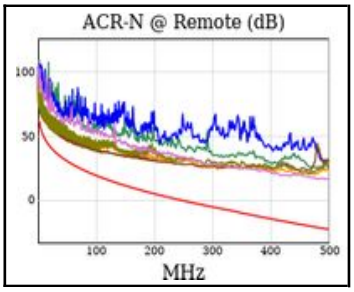


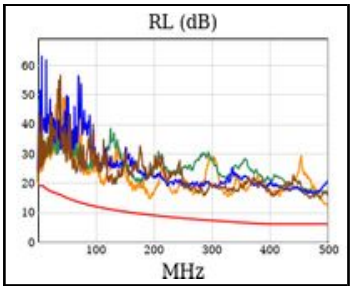


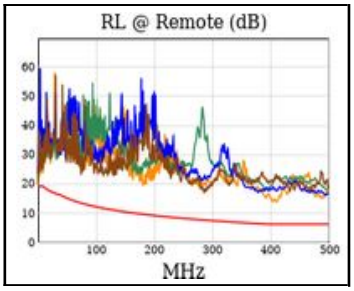












FLUKE networks

LinkWare Live

Cable ID: 114-A

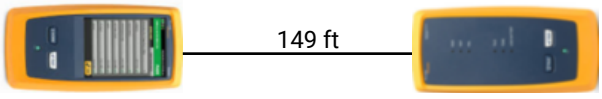
Test Summary: PASS

Date / Time: 11/19/2022 05:17:17 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

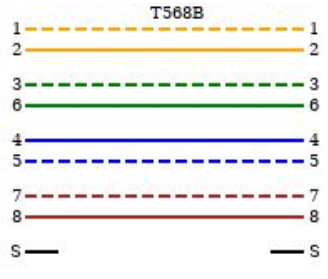
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

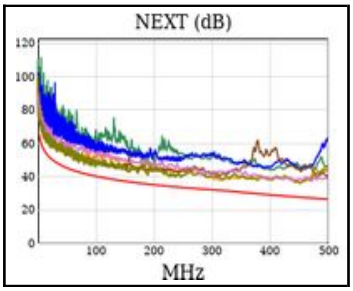
Length (ft), Limit 328	[Pair 1,2]	149
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 4,5]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

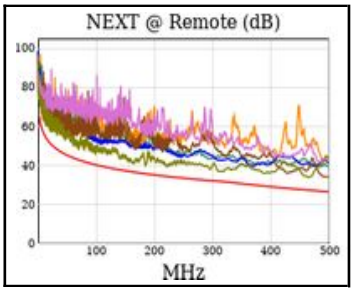


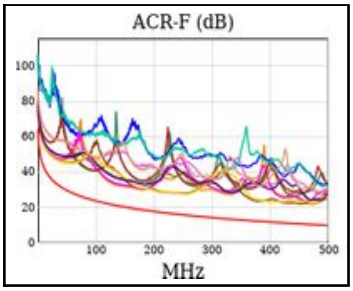
PASS

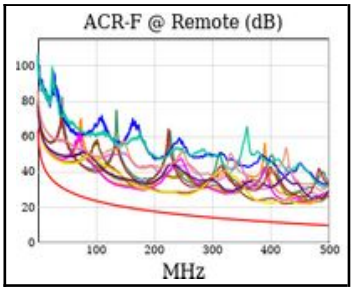


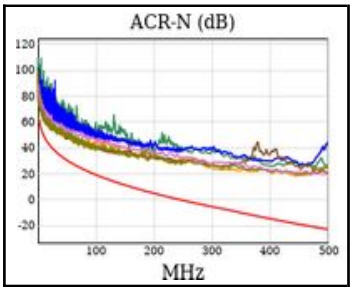


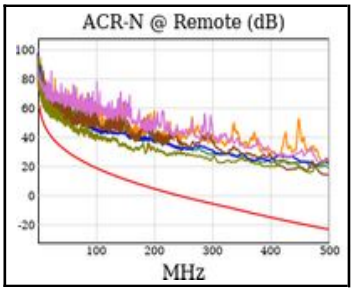


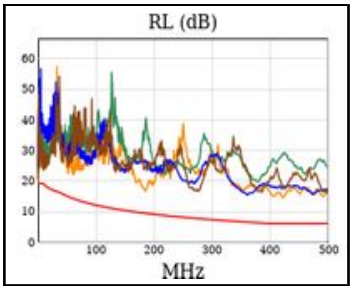


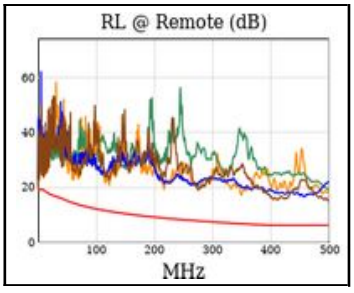












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.1	3.9	8.1	6.4
Freq. (MHz)	80.8	185.5	453.0	465.0
Limit (dB)	41.5	35.3	27.3	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	6.2	8.5	7.8
Freq. (MHz)	80.8	9.3	446.0	465.0
Limit (dB)	38.7	54.6	24.5	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	1,2-3,6	3,6-4,5
ACR-F (dB)	11.2	10.8	11.5	11.3
Freq. (MHz)	135.0	426.0	475.0	456.0
Limit (dB)	20.7	10.7	9.7	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.4	10.8	11.0
Freq. (MHz)	180.0	177.5	473.0	470.0
Limit (dB)	15.2	15.3	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.4	10.1	36.4	37.1
Freq. (MHz)	4.4	9.4	444.0	498.0
Limit (dB)	58.1	50.8	-18.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	10.0	36.6	38.2
Freq. (MHz)	4.4	9.1	446.0	498.0
Limit (dB)	55.6	48.5	-21.8	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	7.2	7.3	8.3	8.7
Freq. (MHz)	17.4	17.3	422.0	499.0
Limit (dB)	17.8	17.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-B

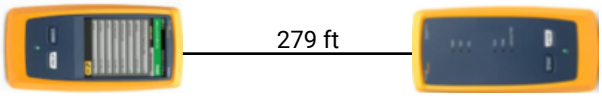
Test Summary: PASS

Date / Time: 12/19/2022 02:01:32 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

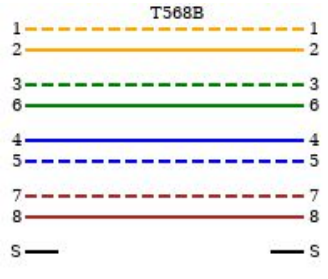
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	443
Delay Skew (ns), Limit 50	[Pair 4,5]	27
Resistance (ohms)	[Pair 3,6]	20.4
Insertion Loss Margin (dB)	[Pair 3,6]	6.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

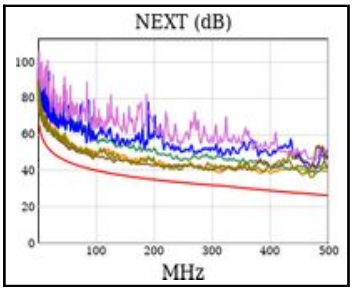


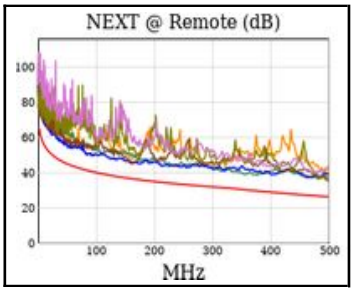
PASS



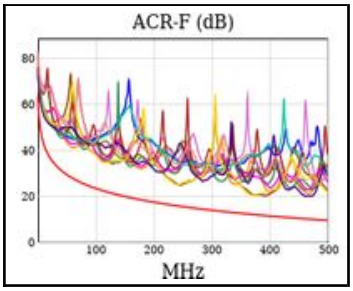


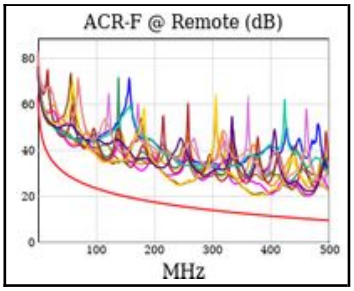
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	7.8	9.3	9.3
Freq. (MHz)	95.8	3.5	472.0	500.0
Limit (dB)	40.2	64.0	26.8	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.3	8.9	9.8	9.2
Freq. (MHz)	96.0	84.3	471.0	500.0
Limit (dB)	37.4	38.4	23.9	23.2



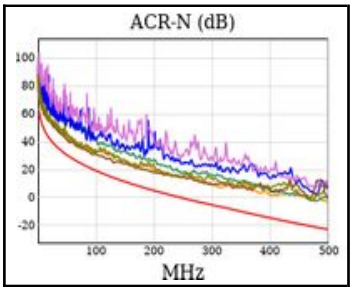


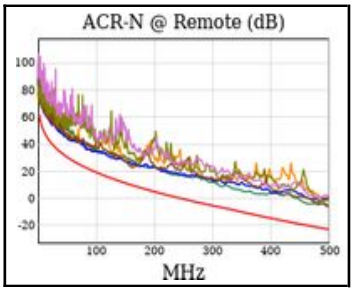
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	8.4	8.3	9.8	10.0
Freq. (MHz)	371.0	375.0	464.0	459.0
Limit (dB)	11.9	11.8	9.9	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	9.4	9.9	10.1
Freq. (MHz)	464.0	398.0	464.0	464.0
Limit (dB)	6.9	8.3	6.9	6.9



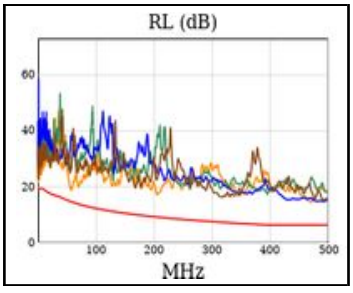


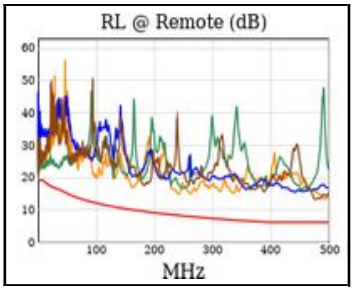
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.1	8.9	19.6	16.7
Freq. (MHz)	3.4	3.5	500.0	500.0
Limit (dB)	60.4	60.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.5	10.4	17.0	16.6
Freq. (MHz)	3.4	3.5	472.0	500.0
Limit (dB)	57.9	57.6	-23.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	4.0	3.6	8.1	7.1
Freq. (MHz)	58.5	6.1	472.0	494.0
Limit (dB)	14.3	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-B

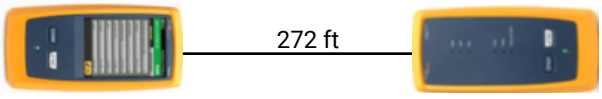
Test Summary: PASS

Date / Time: 11/26/2022 03:31:51 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

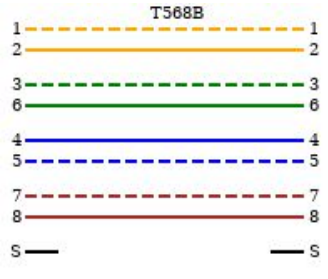
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

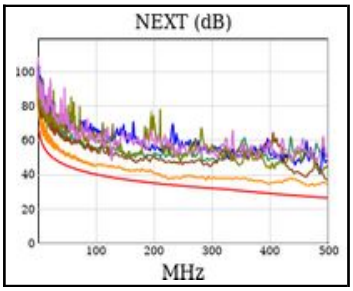
Length (ft), Limit 328	[Pair 1,2]	272
Prop. Delay (ns), Limit 555	[Pair 3,6]	421
Delay Skew (ns), Limit 50	[Pair 3,6]	16
Resistance (ohms)	[Pair 3,6]	16.4
Insertion Loss Margin (dB)	[Pair 4,5]	11.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

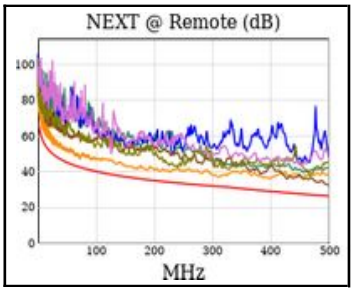


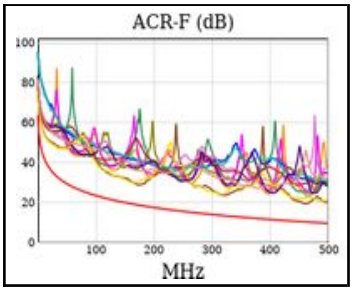
PASS

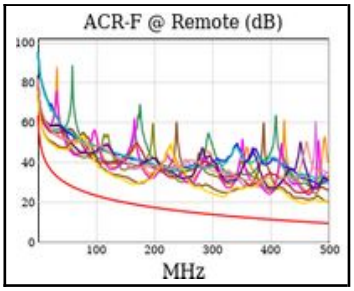


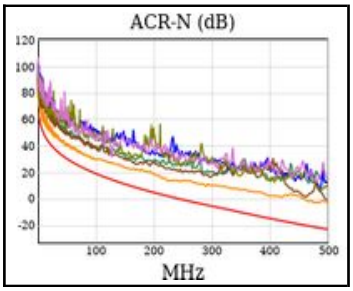


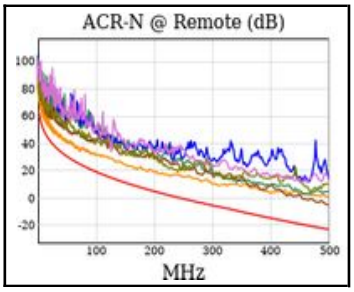


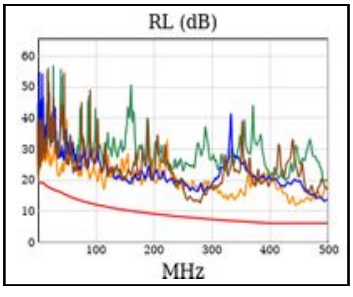


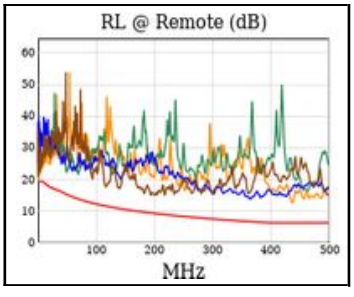












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.0	4.5	6.5	6.2
Freq. (MHz)	226.0	73.0	477.0	500.0
Limit (dB)	33.9	42.2	26.7	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	6.8	8.9	7.8
Freq. (MHz)	226.0	227.0	499.0	500.0
Limit (dB)	30.9	30.9	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.0	9.3	9.0	9.4
Freq. (MHz)	461.0	457.0	461.0	458.0
Limit (dB)	10.0	10.1	10.0	10.0
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	11.1	11.0	11.1	11.0
Freq. (MHz)	464.0	456.0	464.0	456.0
Limit (dB)	6.9	7.1	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	7.6	18.3	17.8
Freq. (MHz)	7.4	7.4	478.0	500.0
Limit (dB)	53.2	53.2	-21.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	9.3	21.0	19.9
Freq. (MHz)	3.6	3.6	499.0	500.0
Limit (dB)	57.3	57.3	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.8	2.5	5.7	6.3
Freq. (MHz)	5.5	5.5	446.0	438.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-A

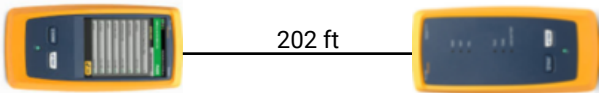
Test Summary: PASS

Date / Time: 11/26/2022 04:44:30 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

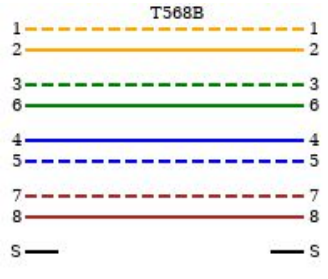
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

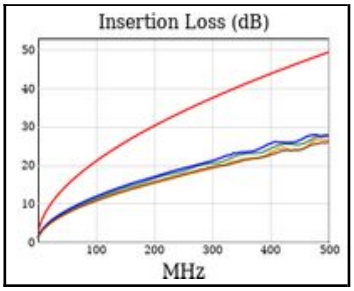
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

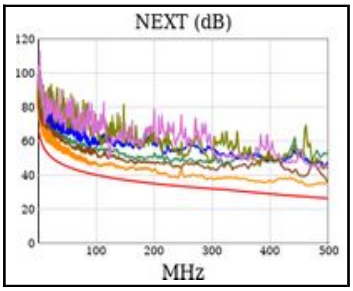
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	313
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 7,8]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	21.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

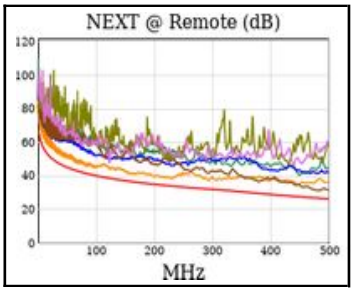


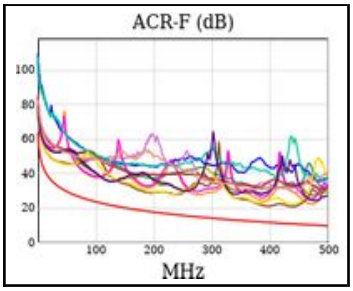
PASS

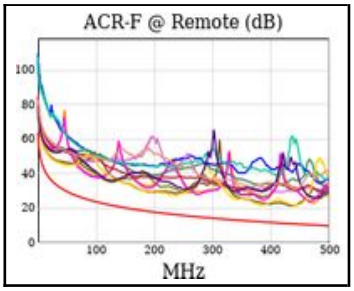


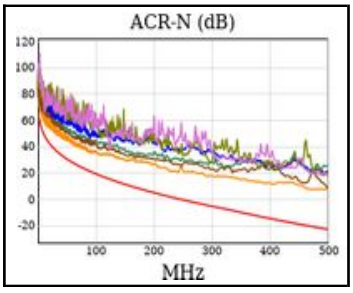


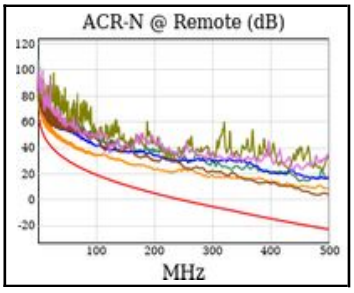


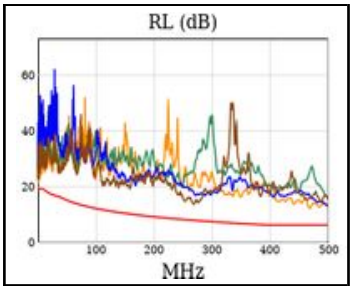


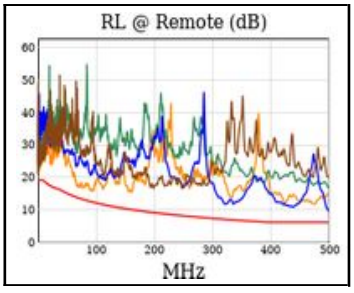












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	4.2	6.8	4.5
Freq. (MHz)	242.0	85.5	469.0	482.0
Limit (dB)	33.4	41.1	26.9	26.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	6.2	9.3	6.2
Freq. (MHz)	243.0	476.0	500.0	476.0
Limit (dB)	30.4	23.8	23.2	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.3	9.7	10.0	10.6
Freq. (MHz)	397.0	384.0	441.0	441.0
Limit (dB)	11.3	11.6	10.4	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.9	10.9	10.9
Freq. (MHz)	387.0	390.0	387.0	390.0
Limit (dB)	8.5	8.4	8.5	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.5	8.2	29.7	25.1
Freq. (MHz)	5.0	5.0	495.0	482.0
Limit (dB)	56.9	56.9	-22.8	-21.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.8	30.8	28.5
Freq. (MHz)	3.3	3.4	500.0	500.0
Limit (dB)	58.2	57.9	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	4,5
RL (dB)	5.7	3.3	6.0	3.5
Freq. (MHz)	270.0	93.3	470.0	500.0
Limit (dB)	7.7	12.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-B

Test Summary: PASS

Date / Time: 11/26/2022 03:11:44 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	313
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	21.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.2	4.8	8.2	7.2
Freq. (MHz)	96.0	18.8	482.0	500.0
Limit (dB)	40.2	52.1	26.5	26.1
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	4.6	6.9	9.5	8.5
Freq. (MHz)	70.3	70.3	500.0	500.0
Limit (dB)	39.7	39.7	23.2	23.2

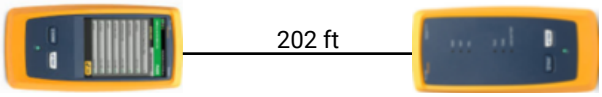
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	10.3	9.9	10.5
Freq. (MHz)	462.0	452.0	463.0	458.0
Limit (dB)	10.0	10.2	9.9	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	11.3	12.7	11.7
Freq. (MHz)	421.0	411.0	500.0	500.0
Limit (dB)	7.8	8.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	6.7	7.4	28.7	28.6
Freq. (MHz)	8.5	3.4	482.0	500.0
Limit (dB)	51.8	60.4	-21.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	9.2	30.7	29.7
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	57.9	57.9	-26.1	-26.1

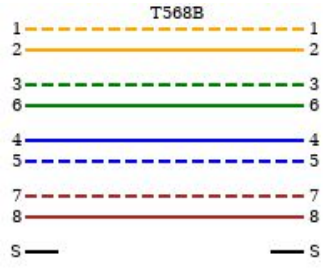
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.1	6.5	4.6	9.2
Freq. (MHz)	39.0	12.4	268.0	344.0
Limit (dB)	16.0	18.5	7.7	6.6

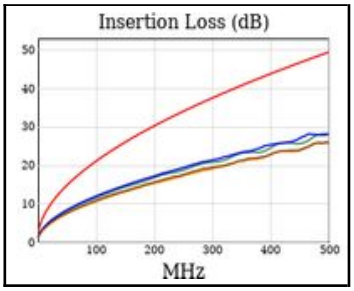
Compliant Network Standards:

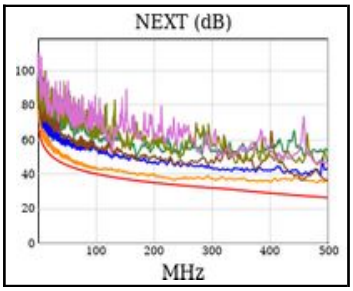
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

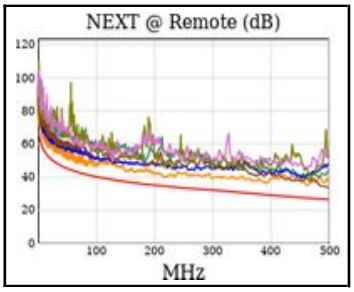


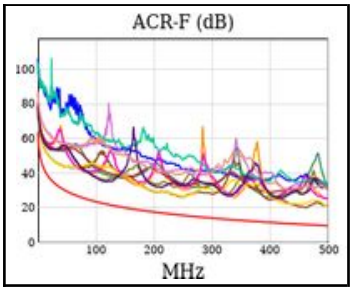
PASS

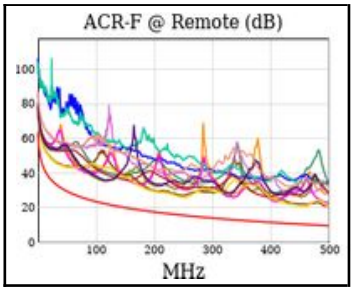


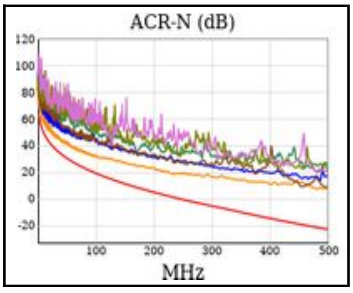


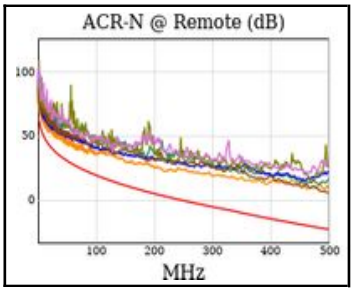


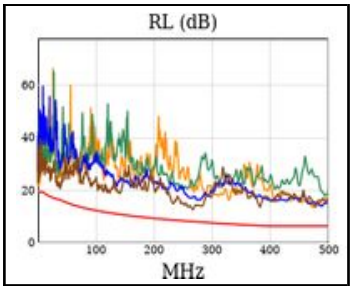


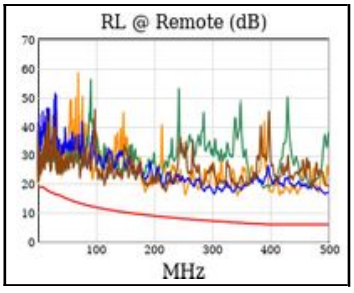












FLUKE networks

LinkWare Live

Cable ID: 116-1-A

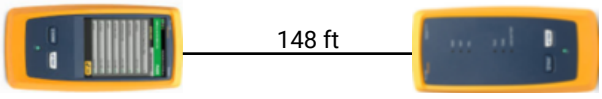
Test Summary: PASS

Date / Time: 12/03/2022 01:37:41 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

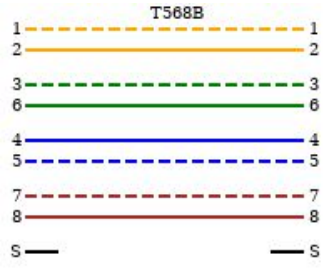
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

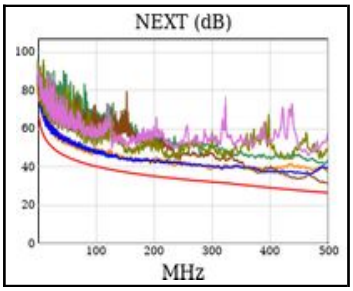
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 3,6]	228
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	28.4
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

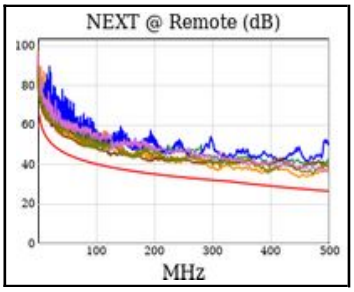


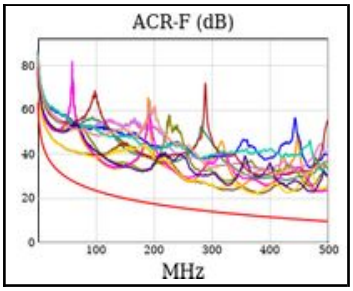
PASS

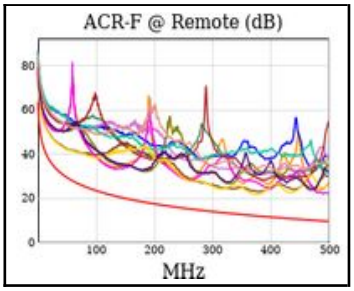


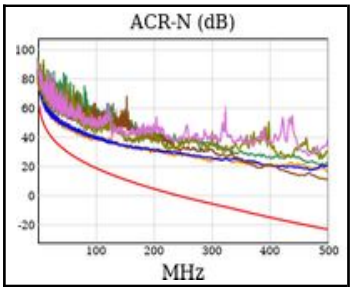


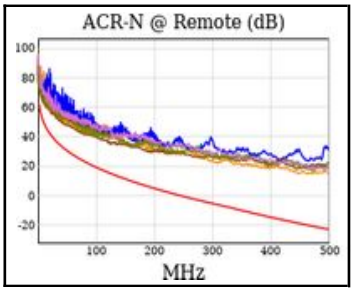


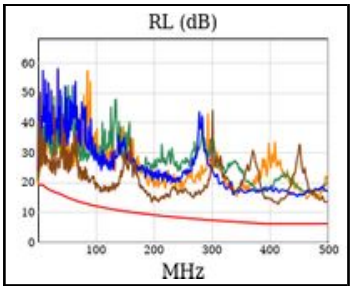


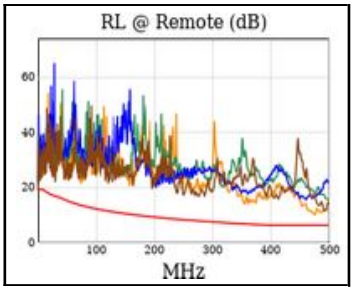












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	4.6	5.0	5.5
Freq. (MHz)	499.0	310.0	499.0	448.0
Limit (dB)	26.1	31.5	26.1	27.4
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.0	5.1	6.7	6.2
Freq. (MHz)	88.3	163.0	499.0	453.0
Limit (dB)	38.0	33.4	23.3	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.7	10.1	9.8
Freq. (MHz)	374.0	376.0	374.0	379.0
Limit (dB)	11.8	11.8	11.8	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.5	12.5	13.8
Freq. (MHz)	5.1	5.3	477.0	480.0
Limit (dB)	46.1	45.9	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	10.6	34.1	36.2
Freq. (MHz)	4.6	4.4	499.0	481.0
Limit (dB)	57.6	58.1	-23.1	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	9.6	35.4	35.6
Freq. (MHz)	4.6	4.4	499.0	475.0
Limit (dB)	55.1	55.6	-26.0	-24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.0	3.8	6.5	3.8
Freq. (MHz)	197.0	477.0	415.0	477.0
Limit (dB)	9.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-1-B

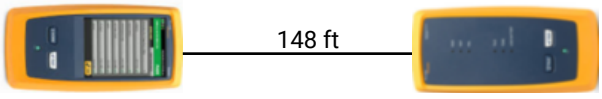
Test Summary: PASS

Date / Time: 12/03/2022 01:40:26 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

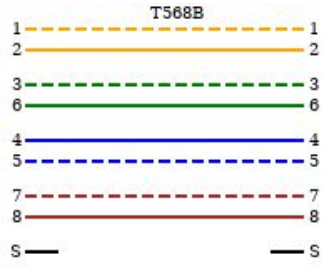
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

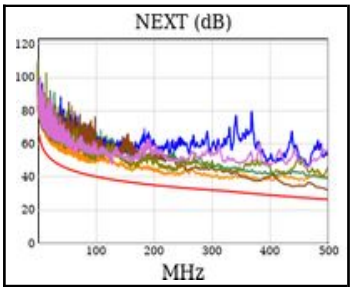
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 3,6]	228
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	27.8
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

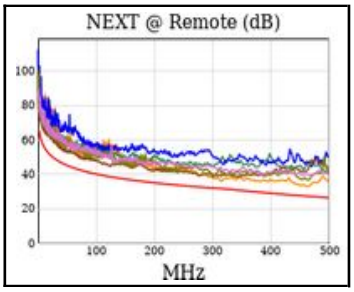


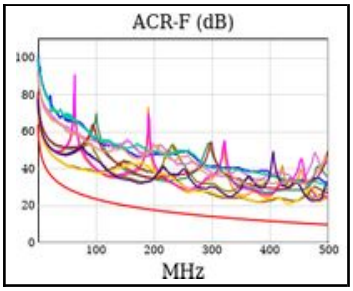
PASS

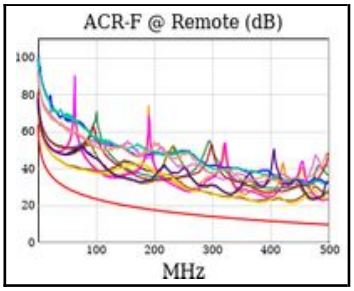


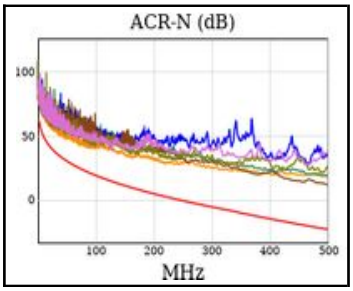


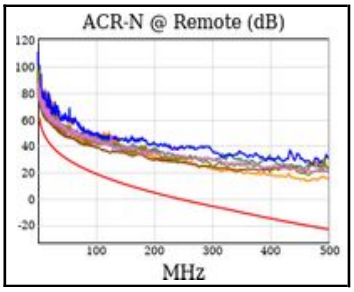


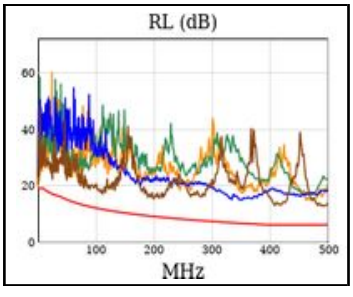


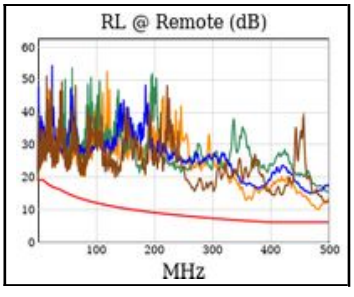












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.5	4.2	5.5	5.6
Freq. (MHz)	500.0	317.0	500.0	464.0
Limit (dB)	26.1	31.3	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.4	4.7	7.4	6.7
Freq. (MHz)	500.0	316.0	500.0	464.0
Limit (dB)	23.2	28.4	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.6	9.9	10.1
Freq. (MHz)	435.0	383.0	435.0	435.0
Limit (dB)	10.5	11.6	10.5	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	11.5	12.9
Freq. (MHz)	7.5	5.0	488.0	491.0
Limit (dB)	42.8	46.3	6.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.4	10.9	34.6	34.0
Freq. (MHz)	3.3	4.1	500.0	466.0
Limit (dB)	60.7	58.6	-23.2	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	10.4	35.9	35.1
Freq. (MHz)	4.6	4.4	500.0	466.0
Limit (dB)	55.1	55.6	-26.1	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.2	3.8	6.5	3.8
Freq. (MHz)	25.8	483.0	494.0	483.0
Limit (dB)	16.9	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-A

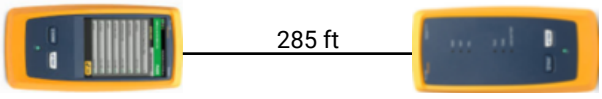
Test Summary: PASS

Date / Time: 11/27/2022 12:27:36 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

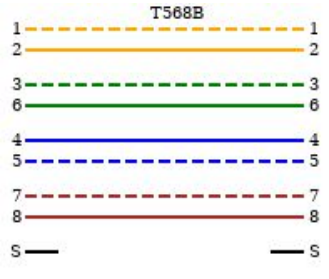
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

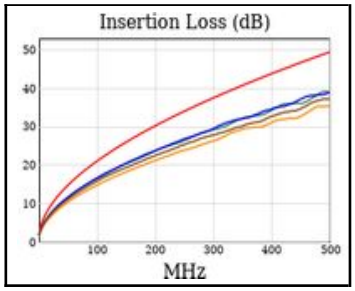
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

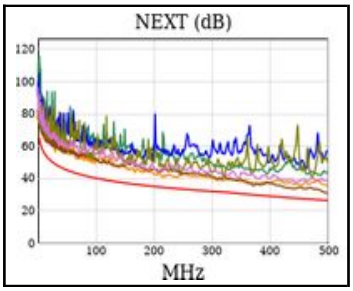
Length (ft), Limit 328	[Pair 1,2]	285
Prop. Delay (ns), Limit 555	[Pair 4,5]	454
Delay Skew (ns), Limit 50	[Pair 4,5]	29
Resistance (ohms)	[Pair 7,8]	20.4
Insertion Loss Margin (dB)	[Pair 3,6]	10.0
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

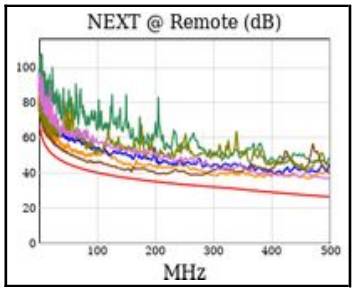


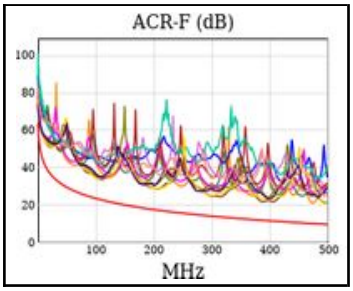
PASS

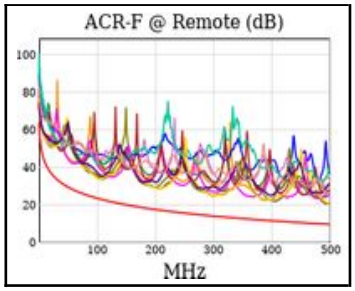


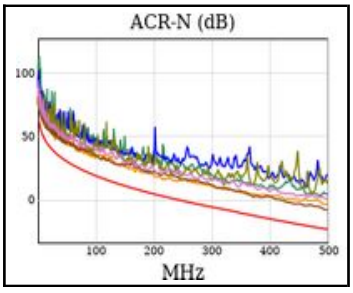


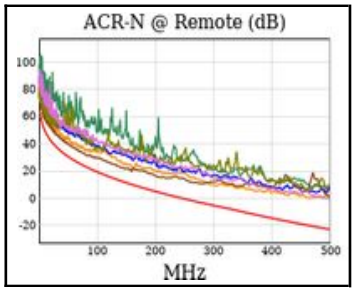


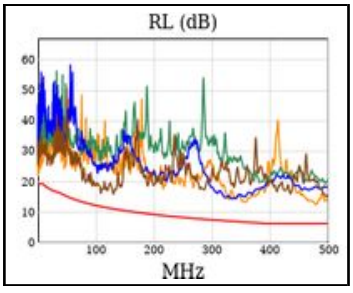


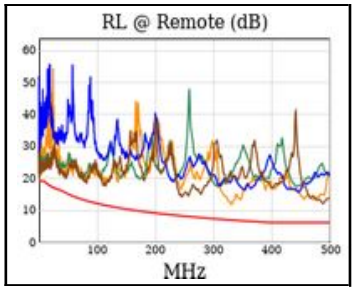












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	4.6	3.8	4.6	10.3
Freq. (MHz)	500.0	160.0	500.0	500.0
Limit (dB)	26.1	36.4	26.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.1	4.9	6.3	11.3
Freq. (MHz)	372.0	160.0	500.0	499.0
Limit (dB)	26.6	33.5	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.5	10.9	11.0
Freq. (MHz)	389.0	407.0	495.0	497.0
Limit (dB)	11.5	11.1	9.4	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	9.8	10.4	12.1	11.3
Freq. (MHz)	1.1	1.1	498.0	494.0
Limit (dB)	59.2	59.2	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	8.7	7.3	15.1	22.5
Freq. (MHz)	3.8	8.6	500.0	500.0
Limit (dB)	59.5	51.6	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	7.2	16.6	22.0
Freq. (MHz)	3.5	14.4	500.0	500.0
Limit (dB)	57.6	43.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.3	2.0	6.2	4.8
Freq. (MHz)	109.5	3.9	480.0	332.0
Limit (dB)	11.6	19.0	6.0	6.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-B

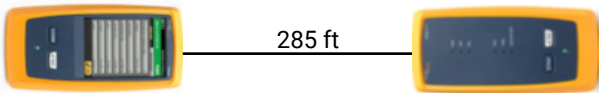
Test Summary: PASS

Date / Time: 11/27/2022 12:30:24 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

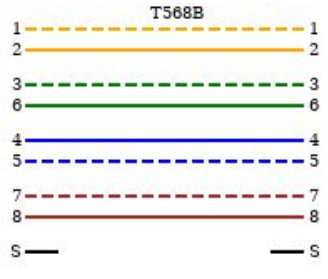
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

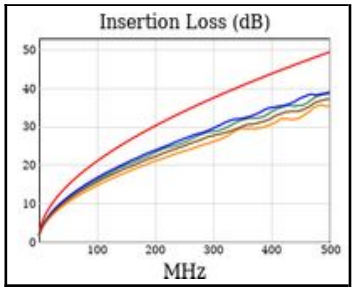
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

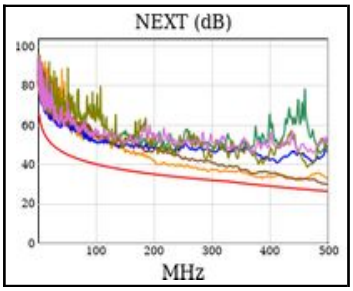
Length (ft), Limit 328	[Pair 1,2]	285
Prop. Delay (ns), Limit 555	[Pair 4,5]	454
Delay Skew (ns), Limit 50	[Pair 4,5]	29
Resistance (ohms)	[Pair 7,8]	18.1
Insertion Loss Margin (dB)	[Pair 4,5]	10.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

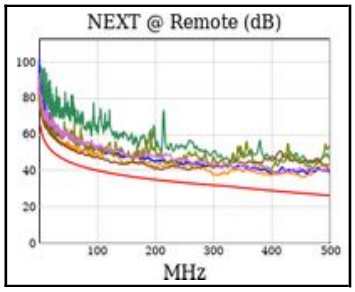


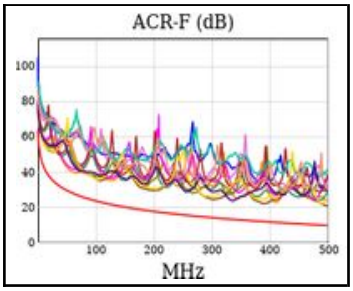
PASS

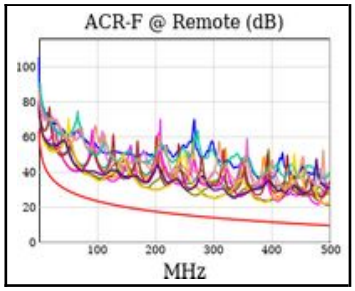


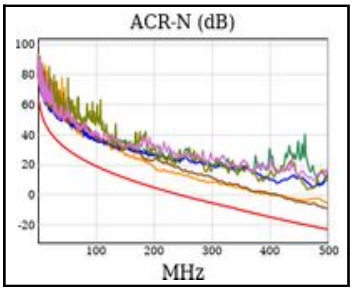


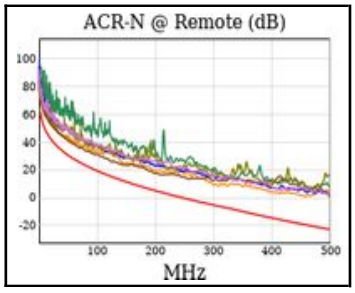


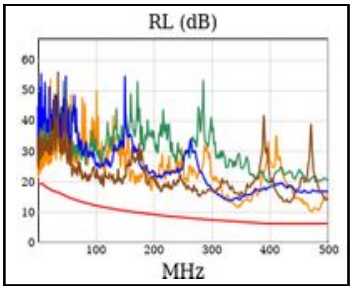


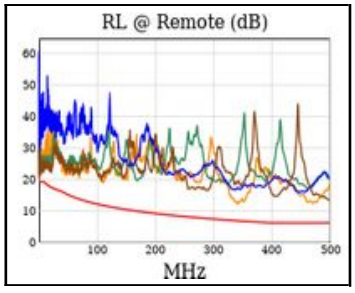












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.6	5.5	3.6	9.2
Freq. (MHz)	388.0	310.0	499.0	460.0
Limit (dB)	29.1	31.5	26.1	27.1
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	4.3	5.7	4.5	9.6
Freq. (MHz)	387.0	146.5	499.0	460.0
Limit (dB)	26.2	34.2	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	11.0	11.2	11.6
Freq. (MHz)	389.0	391.0	500.0	497.0
Limit (dB)	11.5	11.4	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.5	11.9	13.0	12.3
Freq. (MHz)	412.0	3.6	499.0	481.0
Limit (dB)	8.0	49.1	6.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.7	8.4	14.0	23.4
Freq. (MHz)	6.0	3.1	500.0	500.0
Limit (dB)	55.1	61.1	-23.2	-23.2
Worst Pair	4,5	3,6	3,6	4,5
PS ACR-N (dB)	11.4	8.1	15.4	22.6
Freq. (MHz)	5.1	5.4	499.0	500.0
Limit (dB)	54.1	53.7	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	3.9	2.4	3.9	5.3
Freq. (MHz)	473.0	3.9	473.0	342.0
Limit (dB)	6.0	19.0	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-1-A

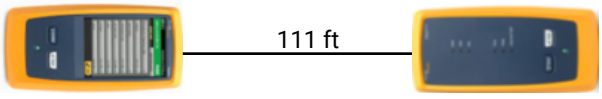
Test Summary: PASS

Date / Time: 12/03/2022 07:13:12 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

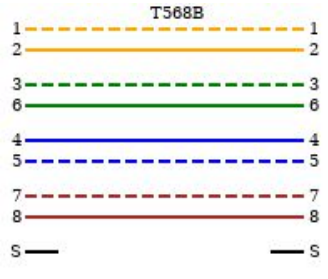
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

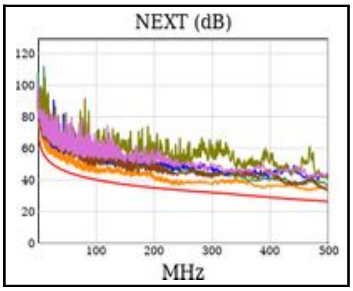
Length (ft), Limit 328	[Pair 1,2]	111
Prop. Delay (ns), Limit 555	[Pair 4,5]	176
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	33.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

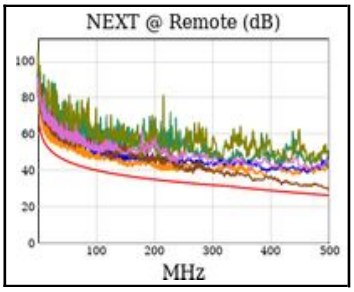


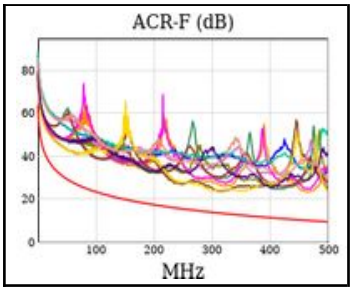
PASS

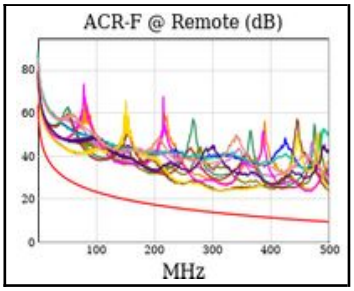


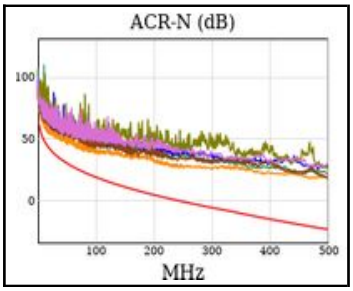


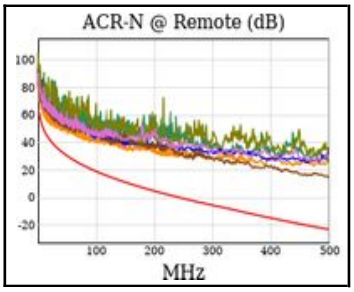


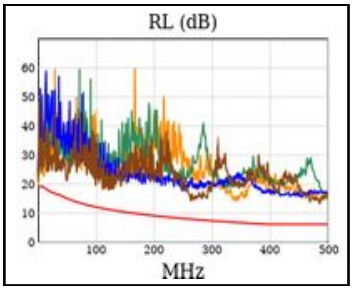


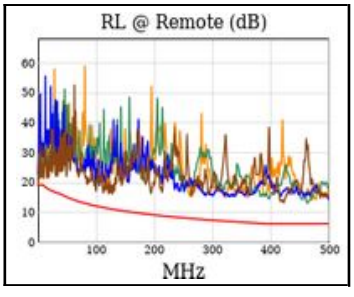












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.1	2.8	5.7	2.8
Freq. (MHz)	245.0	500.0	471.0	500.0
Limit (dB)	33.3	26.1	26.8	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.1	5.3	7.1	5.3
Freq. (MHz)	235.0	500.0	500.0	500.0
Limit (dB)	30.6	23.2	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.8	9.9	13.2	13.7
Freq. (MHz)	302.0	302.0	465.0	469.0
Limit (dB)	13.7	13.7	9.9	9.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.4	11.8	14.8
Freq. (MHz)	320.0	317.0	333.0	500.0
Limit (dB)	10.2	10.2	9.8	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	9.1	38.4	37.1
Freq. (MHz)	6.5	3.1	471.0	500.0
Limit (dB)	54.4	61.1	-20.9	-23.2
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.3	10.6	40.3	38.6
Freq. (MHz)	3.4	3.3	500.0	500.0
Limit (dB)	57.9	58.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.0	4.7	6.8	6.8
Freq. (MHz)	50.5	113.0	486.0	423.0
Limit (dB)	15.0	11.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-1-B

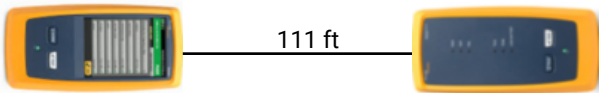
Test Summary: PASS

Date / Time: 12/03/2022 07:14:12 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

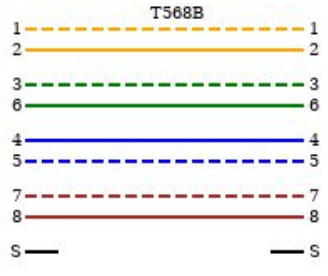
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

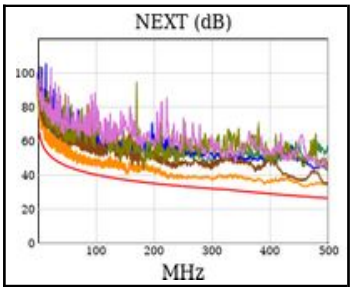
Length (ft), Limit 328	[Pair 1,2]	111
Prop. Delay (ns), Limit 555	[Pair 4,5]	175
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	32.9
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

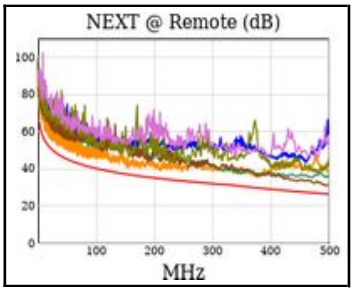


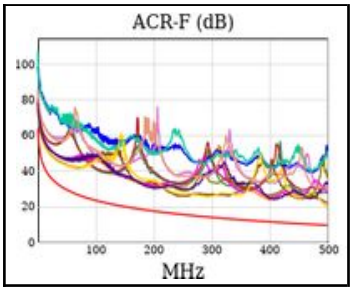
PASS

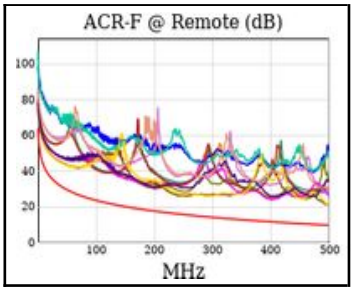


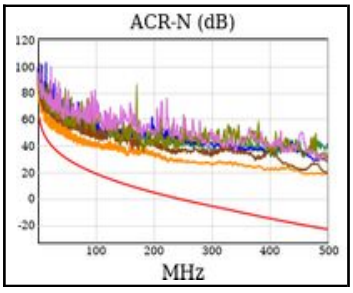


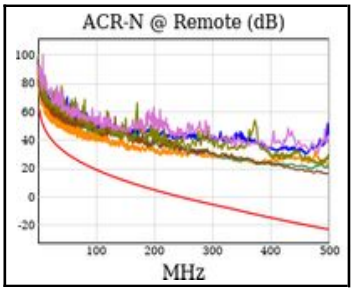


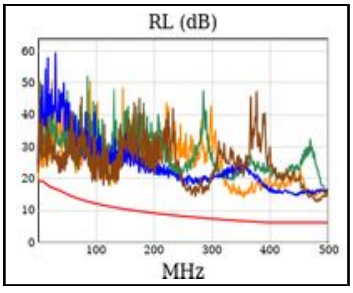


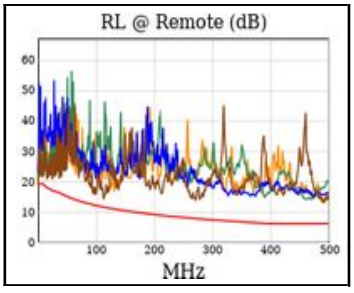












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.4	3.5	5.6	4.2
Freq. (MHz)	153.5	157.0	465.0	495.0
Limit (dB)	36.8	36.6	27.0	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.8	5.2	7.6	5.8
Freq. (MHz)	242.0	157.0	498.0	495.0
Limit (dB)	30.4	33.7	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	10.2	10.2	11.2
Freq. (MHz)	242.5	245.5	500.0	500.0
Limit (dB)	15.6	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	10.7	12.8	13.1
Freq. (MHz)	245.5	245.5	500.0	500.0
Limit (dB)	12.5	12.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	10.2	40.6	38.5
Freq. (MHz)	6.3	6.3	492.0	495.0
Limit (dB)	54.8	54.8	-22.6	-22.8
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	12.1	11.8	40.8	39.0
Freq. (MHz)	6.3	6.5	498.0	495.0
Limit (dB)	52.2	51.8	-25.9	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.4	2.5	6.3	6.6
Freq. (MHz)	37.5	114.0	482.0	492.0
Limit (dB)	16.1	11.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-2-A

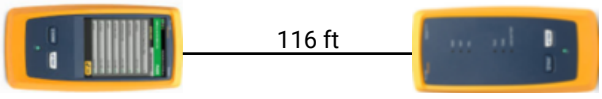
Test Summary: PASS

Date / Time: 12/03/2022 07:23:33 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

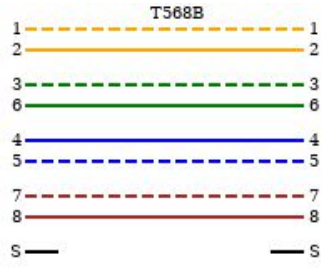
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

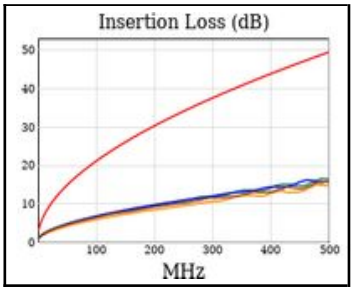
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

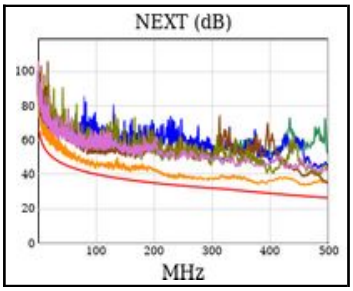
Length (ft), Limit 328	[Pair 1,2]	116
Prop. Delay (ns), Limit 555	[Pair 4,5]	184
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	11.7
Insertion Loss Margin (dB)	[Pair 3,6]	32.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

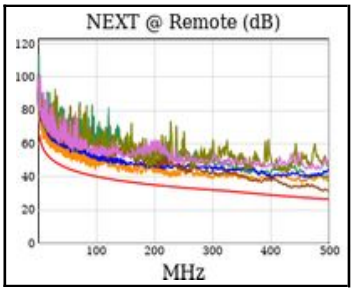


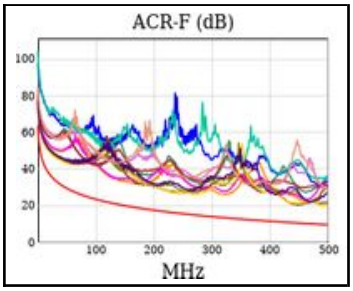
PASS

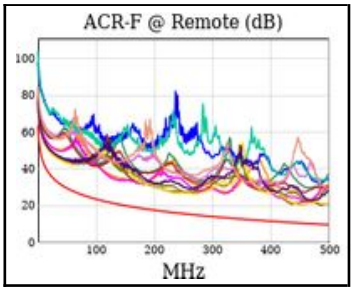


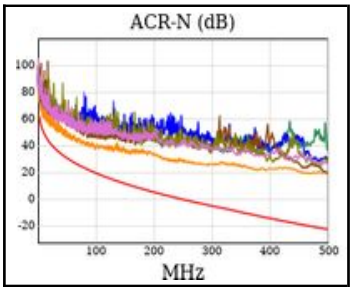


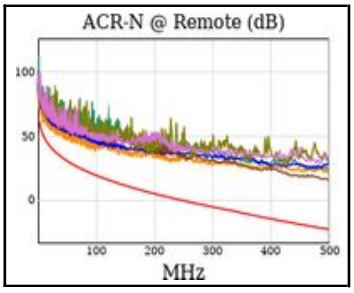


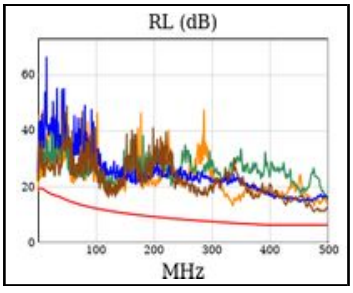


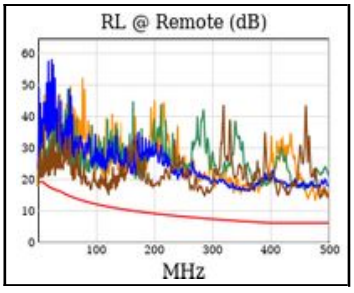












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	4.2	6.0	4.8
Freq. (MHz)	99.5	99.3	461.0	500.0
Limit (dB)	40.0	40.0	27.1	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.9	6.5	8.0	6.8
Freq. (MHz)	99.8	99.5	498.0	498.0
Limit (dB)	37.1	37.1	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	9.8	9.9	10.4
Freq. (MHz)	494.0	453.0	494.0	487.0
Limit (dB)	9.4	10.1	9.4	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.1	10.2	10.2
Freq. (MHz)	472.0	464.0	472.0	470.0
Limit (dB)	6.8	6.9	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	9.5	38.8	38.3
Freq. (MHz)	9.1	9.3	467.0	500.0
Limit (dB)	51.0	50.9	-20.6	-23.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	11.9	11.2	40.8	39.8
Freq. (MHz)	9.1	3.1	498.0	500.0
Limit (dB)	48.5	58.3	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.7	3.7	4.7	6.9
Freq. (MHz)	477.0	122.0	477.0	477.0
Limit (dB)	6.0	11.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-2-B

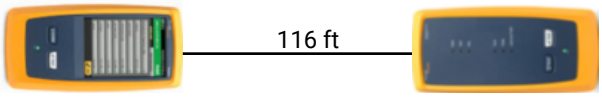
Test Summary: PASS

Date / Time: 12/03/2022 07:25:05 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

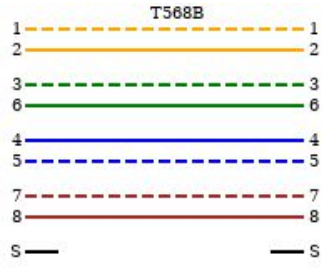
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

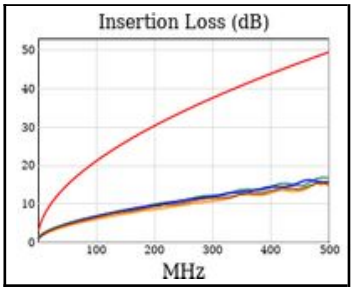
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

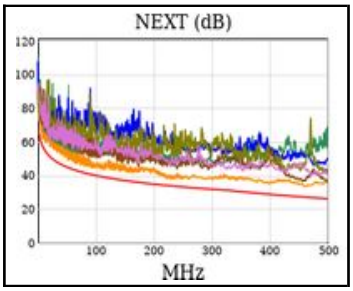
Length (ft), Limit 328	[Pair 1,2]	116
Prop. Delay (ns), Limit 555	[Pair 4,5]	184
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	12.1
Insertion Loss Margin (dB)	[Pair 3,6]	32.1
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

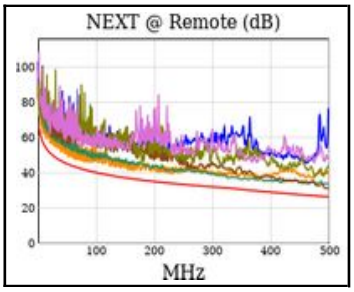


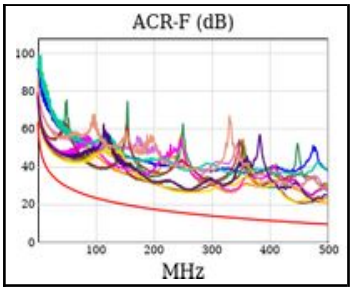
PASS

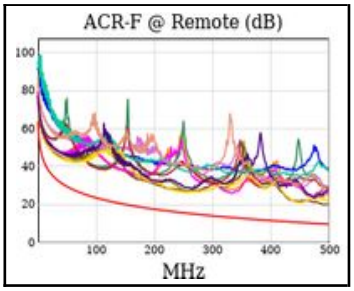


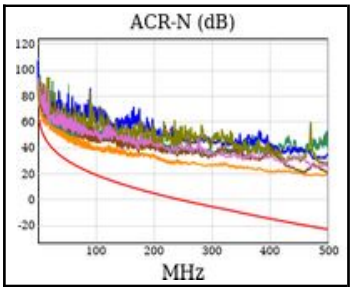


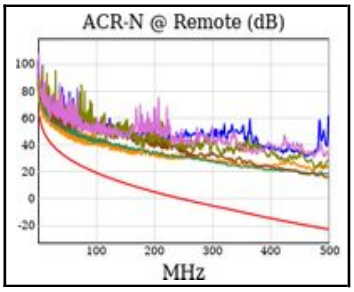


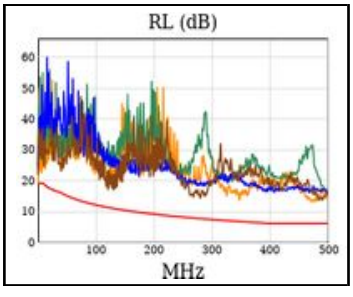


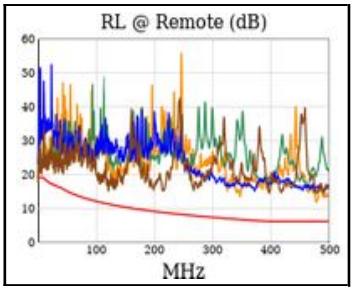












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	3.9	6.0	4.5
Freq. (MHz)	229.5	65.0	460.0	498.0
Limit (dB)	33.8	43.1	27.1	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.2	5.3	7.0	5.3
Freq. (MHz)	229.5	498.0	460.0	498.0
Limit (dB)	30.8	23.3	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.2	11.0	10.2
Freq. (MHz)	456.0	497.0	497.0	497.0
Limit (dB)	10.1	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.9	10.6	10.9
Freq. (MHz)	491.0	475.0	491.0	475.0
Limit (dB)	6.4	6.7	6.4	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	9.1	40.7	38.1
Freq. (MHz)	9.0	5.9	491.0	498.0
Limit (dB)	51.2	55.3	-22.5	-23.1
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.0	10.8	41.6	38.6
Freq. (MHz)	9.1	6.0	499.0	495.0
Limit (dB)	48.5	52.6	-26.0	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.6	3.7	6.8	5.4
Freq. (MHz)	122.0	122.0	479.0	479.0
Limit (dB)	11.1	11.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-3-A

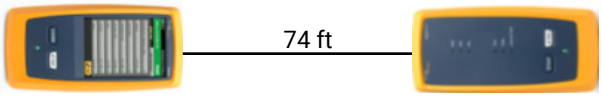
Test Summary: PASS

Date / Time: 12/03/2022 07:37:36 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

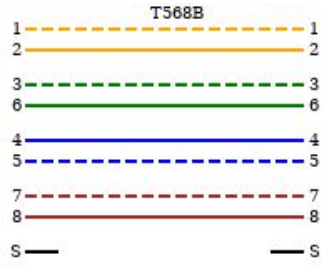
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

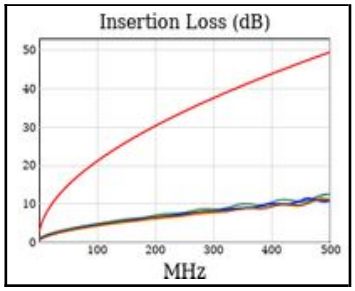
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	74
Prop. Delay (ns), Limit 555	[Pair 4,5]	116
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	10.8
Insertion Loss Margin (dB)	[Pair 3,6]	36.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

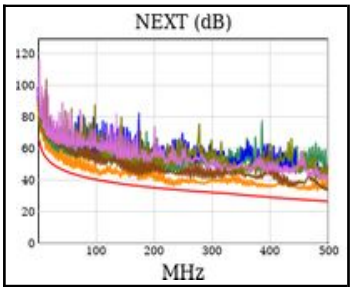


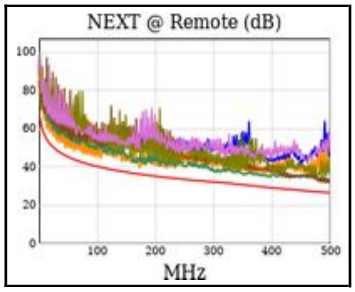
PASS



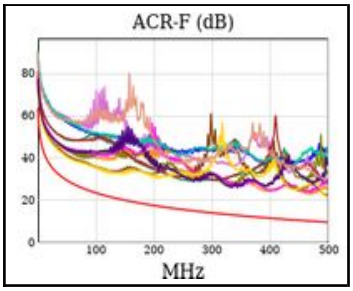


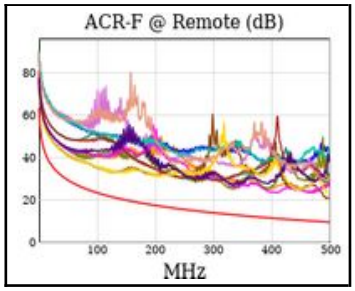
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.3	3.3	5.7	4.8
Freq. (MHz)	235.5	174.0	467.0	495.0
Limit (dB)	33.6	35.8	26.9	26.2
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	4.6	4.6	8.0	5.3
Freq. (MHz)	236.0	173.5	498.0	500.0
Limit (dB)	30.6	32.9	23.3	23.2



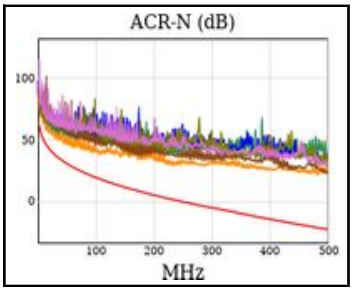


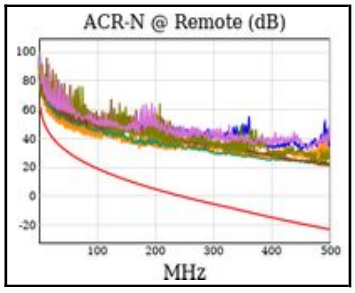
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.9	11.0	11.3	11.0
Freq. (MHz)	124.5	494.0	500.0	494.0
Limit (dB)	21.4	9.4	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	13.0	13.0
Freq. (MHz)	5.3	1.0	500.0	499.0
Limit (dB)	45.9	60.3	6.3	6.3



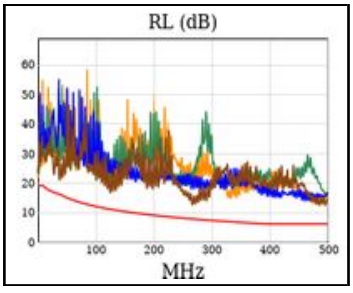


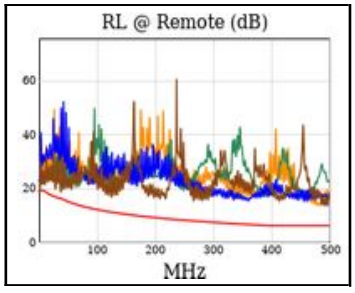
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.3	11.1	42.8	43.6
Freq. (MHz)	15.1	5.0	483.0	500.0
Limit (dB)	45.7	56.9	-21.9	-23.2
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	12.1	12.3	45.0	42.6
Freq. (MHz)	5.0	5.3	498.0	495.0
Limit (dB)	54.3	53.9	-25.9	-25.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.4	4.7	6.1	7.1
Freq. (MHz)	267.0	48.0	497.0	497.0
Limit (dB)	7.7	15.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-3-B

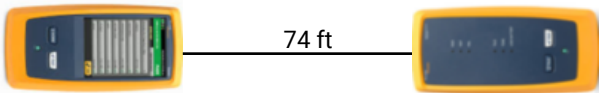
Test Summary: PASS

Date / Time: 12/03/2022 07:36:52 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

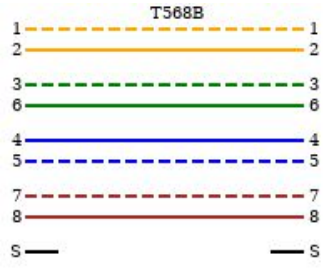
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

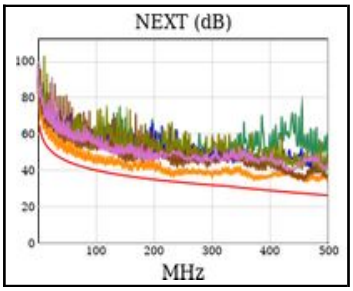
Length (ft), Limit 328	[Pair 1,2]	74
Prop. Delay (ns), Limit 555	[Pair 4,5]	118
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	36.8
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

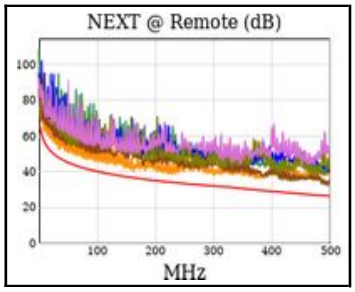


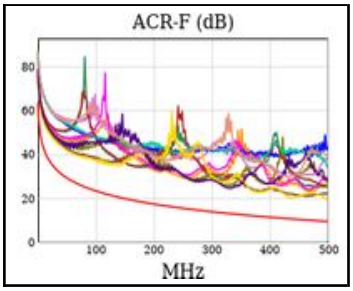
PASS

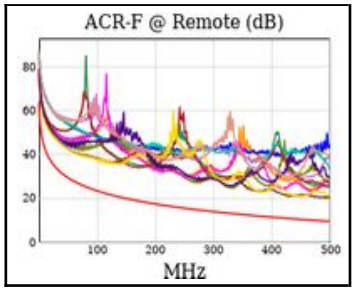


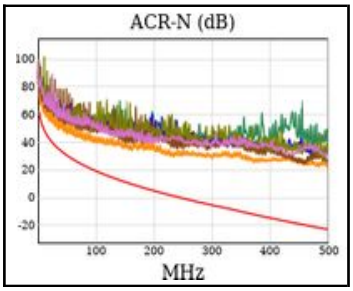


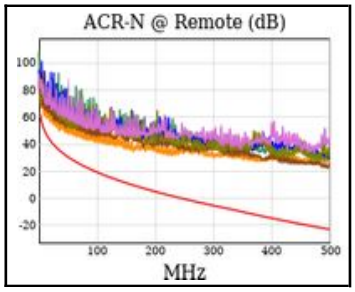


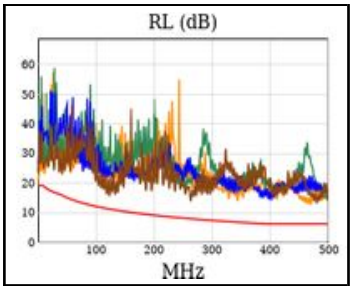


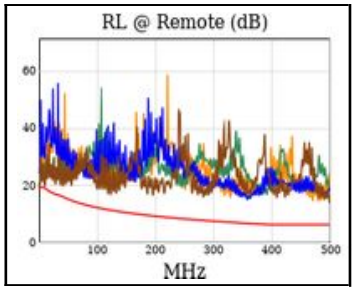












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.4	3.7	6.7	5.4
Freq. (MHz)	235.0	163.0	485.0	497.0
Limit (dB)	33.6	36.3	26.5	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.6	5.5	6.8	7.5
Freq. (MHz)	235.0	163.0	459.0	497.0
Limit (dB)	30.6	33.4	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.9	9.9	10.1
Freq. (MHz)	436.0	431.0	499.0	495.0
Limit (dB)	10.5	10.6	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.4	11.8	11.7
Freq. (MHz)	431.0	431.0	499.0	495.0
Limit (dB)	7.6	7.6	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	9.4	44.5	44.4
Freq. (MHz)	5.0	5.0	500.0	497.0
Limit (dB)	56.9	56.9	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	11.3	45.7	44.8
Freq. (MHz)	4.6	5.3	500.0	497.0
Limit (dB)	55.1	53.9	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.5	5.3	6.6	7.6
Freq. (MHz)	124.5	56.8	471.0	500.0
Limit (dB)	11.0	14.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 114-B

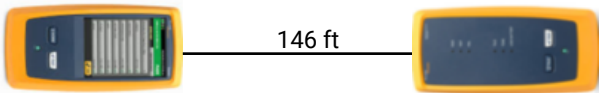
Test Summary: PASS

Date / Time: 11/22/2022 05:04:01 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

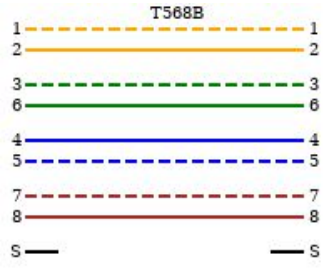
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

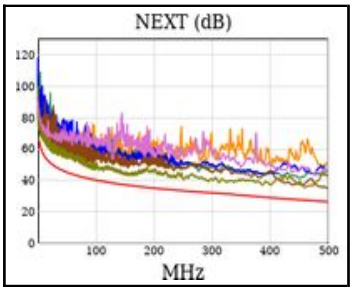
Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 3,6]	226
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 7,8]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	28.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

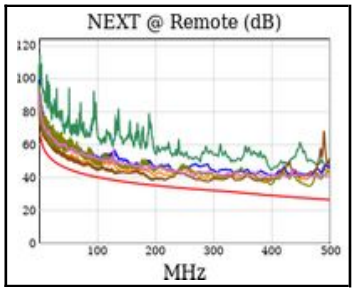


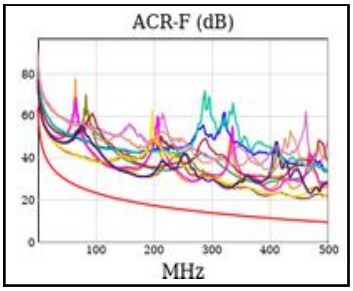
PASS

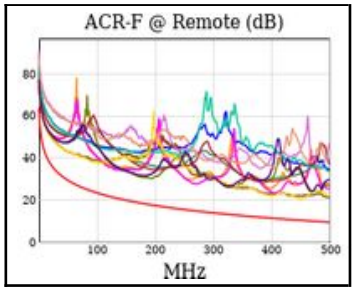


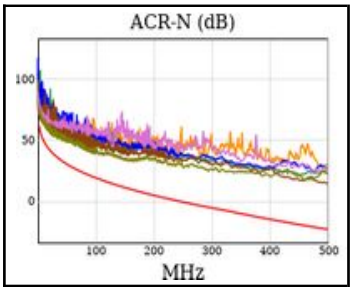


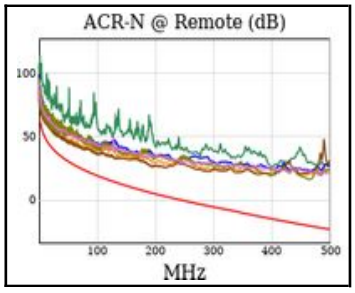


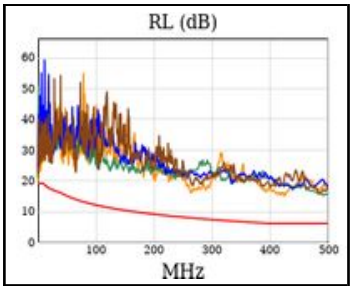


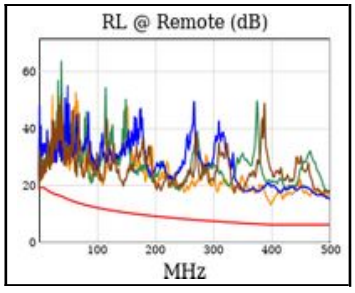












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.9	2.9	8.4	7.3
Freq. (MHz)	152.0	194.5	500.0	465.0
Limit (dB)	36.8	35.0	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	3.7	8.8	6.4
Freq. (MHz)	4.5	197.0	460.0	398.0
Limit (dB)	59.7	32.0	24.2	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.3	10.4	10.3
Freq. (MHz)	454.0	452.0	454.0	452.0
Limit (dB)	10.1	10.2	10.1	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	12.9	12.6
Freq. (MHz)	7.5	5.0	499.0	499.0
Limit (dB)	42.8	46.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.2	8.4	37.4	36.3
Freq. (MHz)	4.5	4.4	500.0	465.0
Limit (dB)	57.8	58.1	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	8.6	39.1	36.8
Freq. (MHz)	4.5	4.4	500.0	465.0
Limit (dB)	55.3	55.6	-26.1	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.9	6.8	8.8	6.8
Freq. (MHz)	265.0	399.0	426.0	399.0
Limit (dB)	7.8	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-A

Test Summary: PASS

Date / Time: 11/21/2022 01:55:10 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	181
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 4,5]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.8	3.3	6.4	4.7
Freq. (MHz)	319.0	232.0	500.0	450.0
Limit (dB)	31.3	33.7	26.1	27.3
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	7.0	5.2	7.9	7.8
Freq. (MHz)	319.0	234.0	499.0	494.0
Limit (dB)	28.3	30.7	23.3	23.4

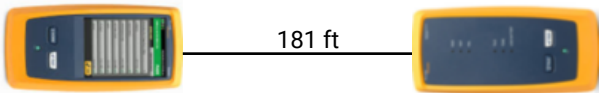
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	10.4	10.3	11.0
Freq. (MHz)	248.5	248.5	500.0	500.0
Limit (dB)	15.4	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	12.1	11.7
Freq. (MHz)	8.3	8.3	500.0	464.0
Limit (dB)	41.9	41.9	6.3	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.8	11.6	32.2	29.9
Freq. (MHz)	9.0	7.9	500.0	488.0
Limit (dB)	51.2	52.5	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	11.6	32.5	31.8
Freq. (MHz)	3.5	3.6	499.0	494.0
Limit (dB)	57.6	57.3	-26.0	-25.6

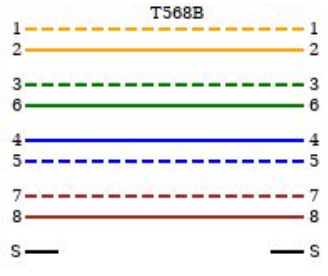
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	5.8	7.1	8.1	7.4
Freq. (MHz)	64.0	54.5	441.0	486.0
Limit (dB)	13.9	14.6	6.0	6.0

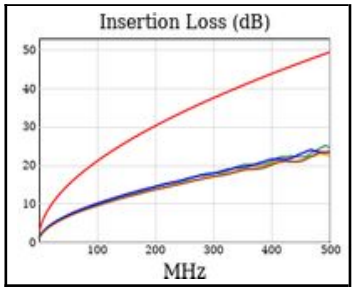
Compliant Network Standards:

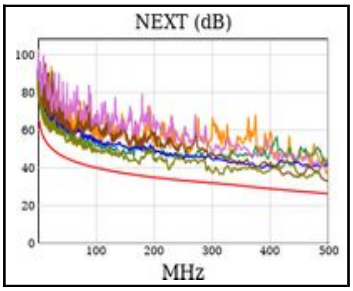
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

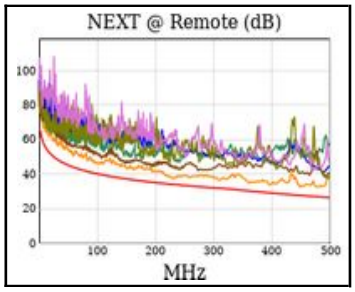


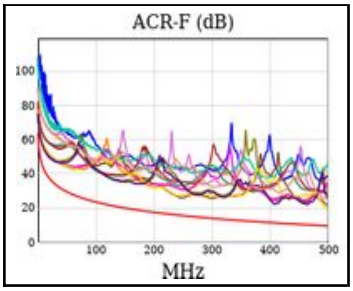
PASS

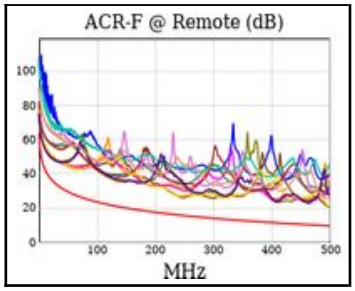


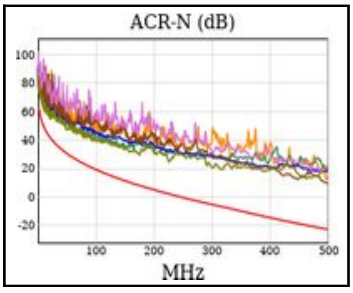


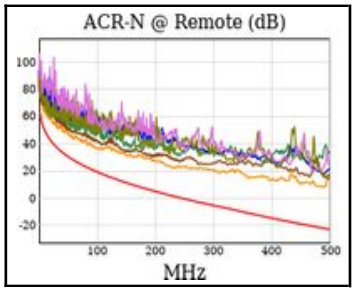


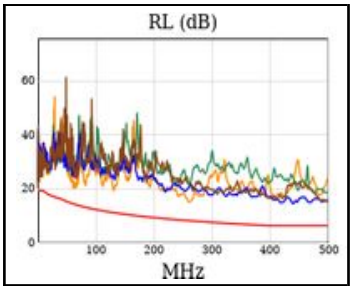


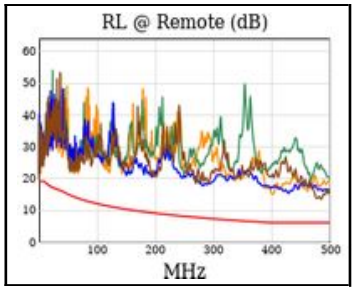












FLUKE networks

LinkWare Live

Cable ID: 115-B

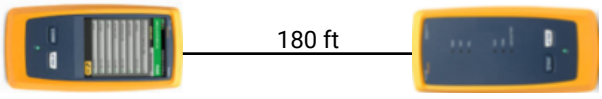
Test Summary: PASS

Date / Time: 11/21/2022 01:55:47 PM
Headroom: 1.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

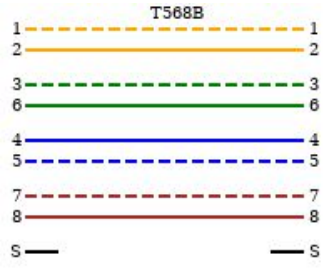
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

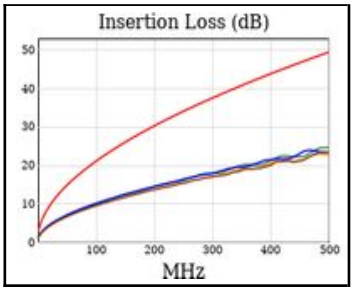
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	180
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 4,5]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

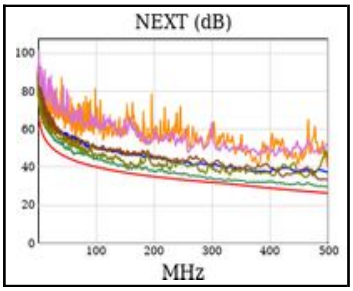


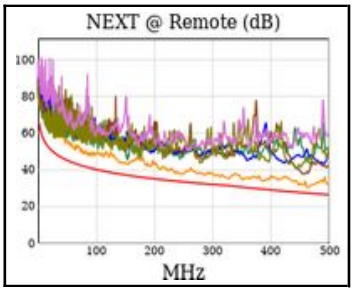
PASS



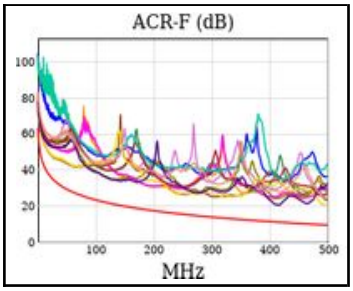


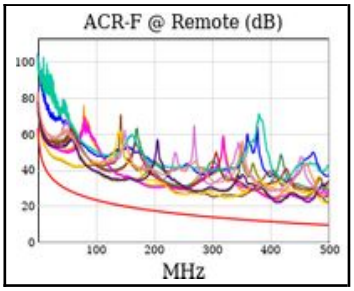
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	1.6	3.0	3.2	3.0
Freq. (MHz)	322.0	464.0	497.0	464.0
Limit (dB)	31.2	27.0	26.2	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	3.6	5.2	4.6	5.2
Freq. (MHz)	326.0	465.0	497.0	465.0
Limit (dB)	28.1	24.1	23.3	24.1



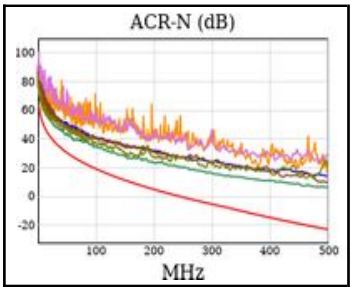


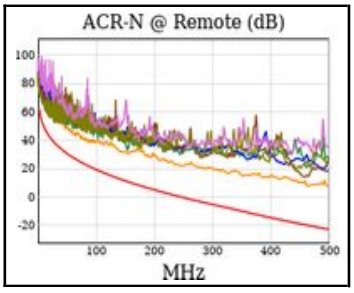
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	10.8	10.7	11.9
Freq. (MHz)	417.0	410.0	499.0	500.0
Limit (dB)	10.9	11.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.8	11.1	10.8	12.7
Freq. (MHz)	414.0	260.0	414.0	498.0
Limit (dB)	7.9	12.0	7.9	6.3



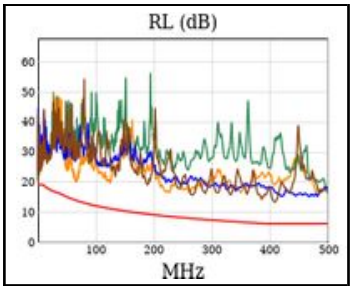


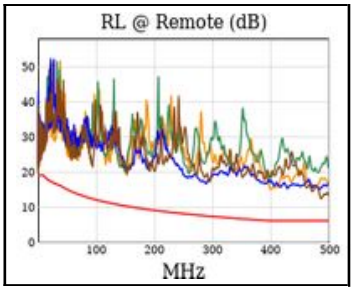
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	8.6	11.8	29.0	30.4
Freq. (MHz)	5.3	3.9	497.0	499.0
Limit (dB)	56.4	59.2	-23.0	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.5	11.1	30.3	29.8
Freq. (MHz)	5.3	3.6	497.0	465.0
Limit (dB)	53.9	57.3	-25.8	-23.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.1	6.2	7.2	6.2
Freq. (MHz)	66.0	487.0	410.0	487.0
Limit (dB)	13.8	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

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Cable ID: 115-A

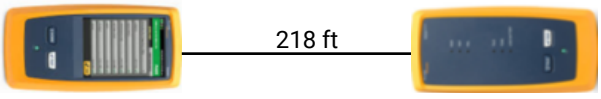
Test Summary: PASS

Date / Time: 12/10/2022 03:58:24 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

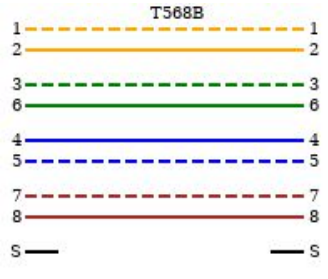
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	343
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS

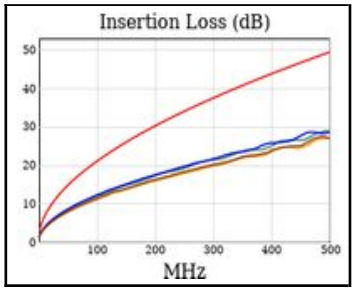


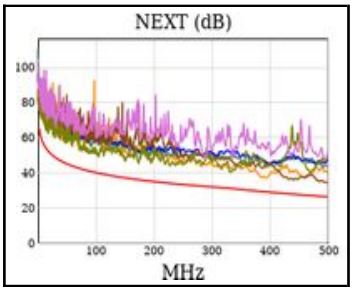
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	7.9	3.4	8.1	9.2
Freq. (MHz)	395.0	116.0	498.0	469.0
Limit (dB)	28.9	38.8	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.3	4.3	9.8	9.5
Freq. (MHz)	395.0	116.0	499.0	461.0
Limit (dB)	25.9	36.0	23.3	24.2

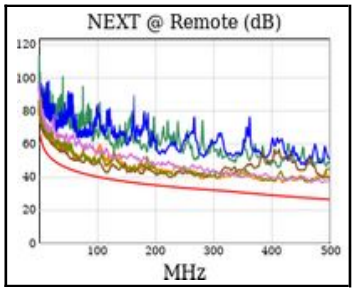
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.4	8.2	8.5	8.2
Freq. (MHz)	281.0	470.0	470.0	470.0
Limit (dB)	14.3	9.8	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	9.4	9.8	9.4
Freq. (MHz)	467.0	470.0	467.0	470.0
Limit (dB)	6.9	6.8	6.9	6.8

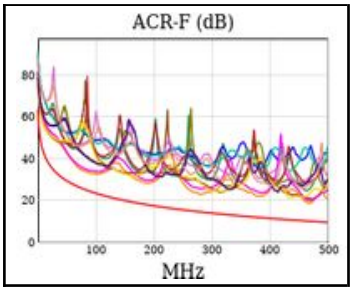
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	11.8	8.6	28.9	31.1
Freq. (MHz)	3.0	2.8	498.0	488.0
Limit (dB)	61.4	61.5	-23.1	-22.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.7	8.5	30.3	31.1
Freq. (MHz)	4.6	4.4	499.0	488.0
Limit (dB)	55.1	55.6	-26.0	-25.1

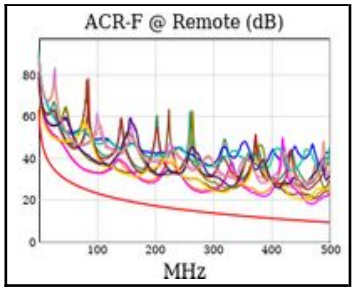
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	5.3	3.0	7.9	6.3
Freq. (MHz)	11.6	126.0	494.0	488.0
Limit (dB)	18.7	11.0	6.0	6.0

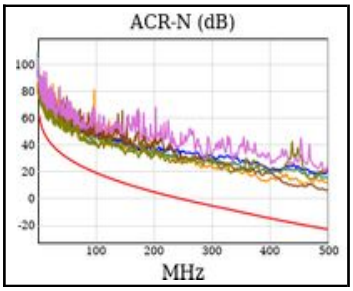


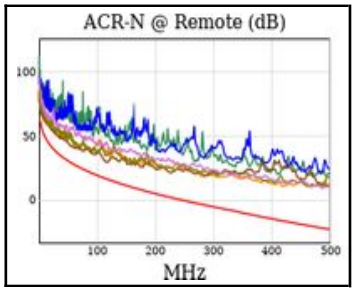


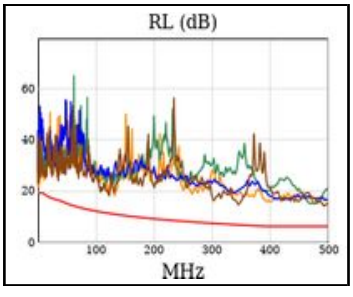


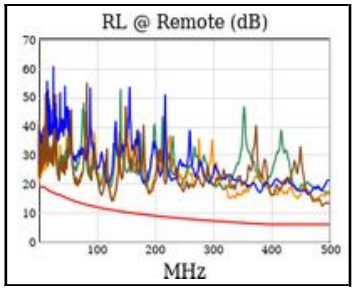












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 115-B

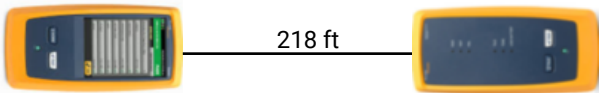
Test Summary: PASS

Date / Time: 12/10/2022 03:59:31 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

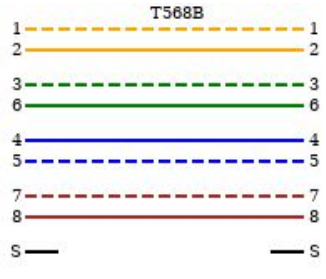
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

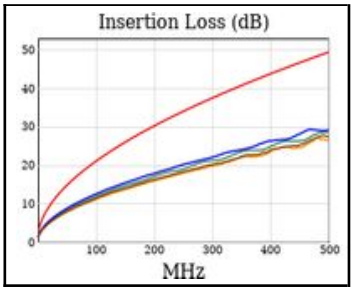
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

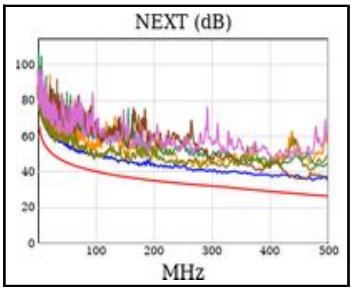
Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	344
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 4,5]	9.8
Insertion Loss Margin (dB)	[Pair 4,5]	18.6
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

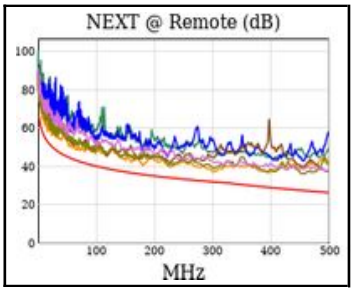


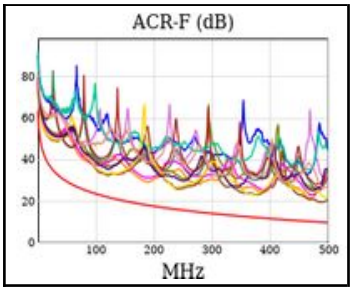
PASS

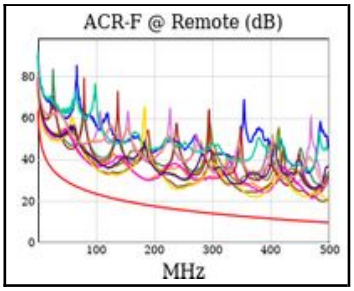


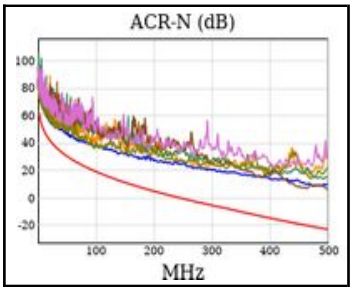


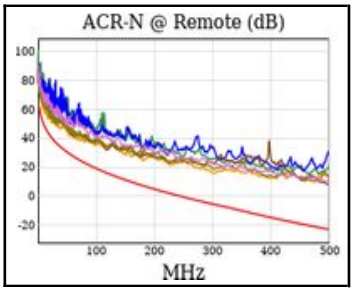


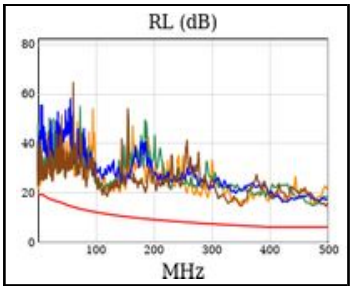


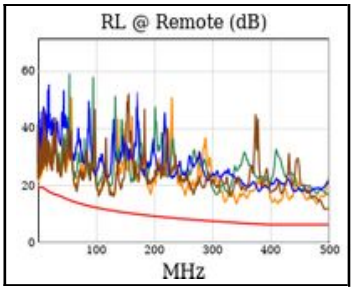












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-7,8	3,6-7,8
NEXT (dB)	6.5	4.7	8.3	8.7
Freq. (MHz)	98.3	181.5	475.0	459.0
Limit (dB)	40.1	35.5	26.7	27.1
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	7.0	5.1	10.2	8.8
Freq. (MHz)	98.3	229.0	475.0	459.0
Limit (dB)	37.2	30.8	23.8	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.6	9.6	9.6	10.0
Freq. (MHz)	490.0	239.5	490.0	490.0
Limit (dB)	9.5	15.7	9.5	9.5
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	11.3	10.8	11.3	10.9
Freq. (MHz)	490.0	484.0	490.0	487.0
Limit (dB)	6.5	6.6	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.7	8.9	29.0	31.2
Freq. (MHz)	3.0	7.8	499.0	500.0
Limit (dB)	61.4	52.7	-23.1	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.4	9.1	31.4	31.1
Freq. (MHz)	3.0	3.0	499.0	499.0
Limit (dB)	58.4	58.4	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.7	3.9	8.3	5.3
Freq. (MHz)	9.9	67.5	497.0	494.0
Limit (dB)	19.0	13.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 114-B

Test Summary: PASS

Date / Time: 11/22/2022 12:20:50 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	197
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.4	4.6	7.3	5.9
Freq. (MHz)	303.0	124.5	498.0	460.0
Limit (dB)	31.7	38.3	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.1	4.8	8.8	7.3
Freq. (MHz)	303.0	283.0	500.0	457.0
Limit (dB)	28.7	29.2	23.2	24.3

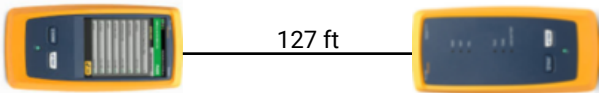
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.6	9.9	9.6
Freq. (MHz)	372.0	380.0	372.0	380.0
Limit (dB)	11.8	11.7	11.8	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.3	12.0	12.4
Freq. (MHz)	331.0	333.0	380.0	407.0
Limit (dB)	9.9	9.8	8.7	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.2	9.8	38.8	37.5
Freq. (MHz)	2.9	5.0	498.0	460.0
Limit (dB)	61.4	56.9	-23.1	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.6	39.8	38.4
Freq. (MHz)	5.3	5.1	500.0	468.0
Limit (dB)	53.9	54.1	-26.1	-23.6

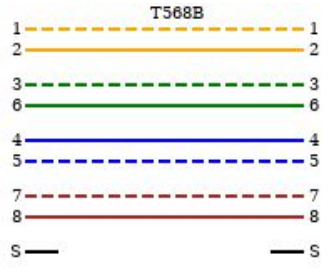
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.3	6.7	5.3	6.7
Freq. (MHz)	500.0	422.0	500.0	422.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

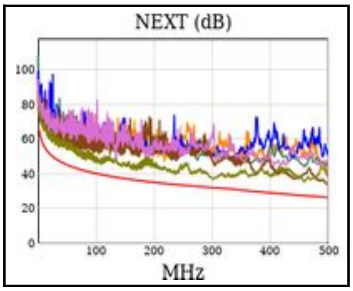
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

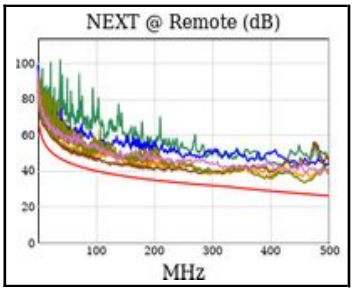


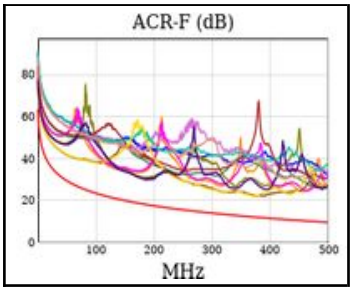
PASS

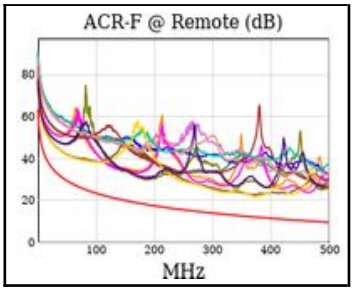


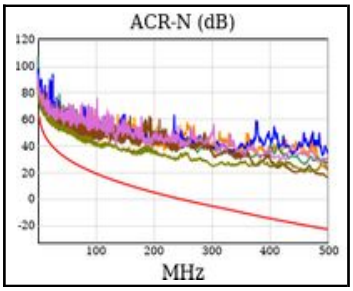


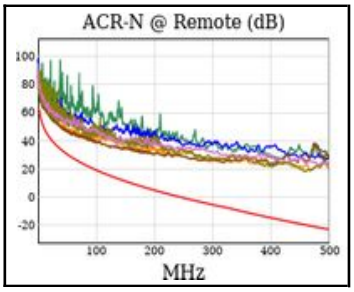


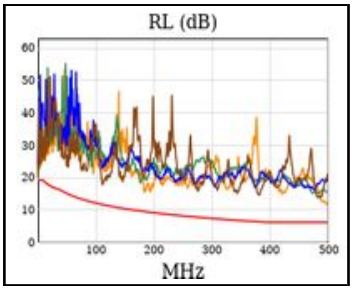


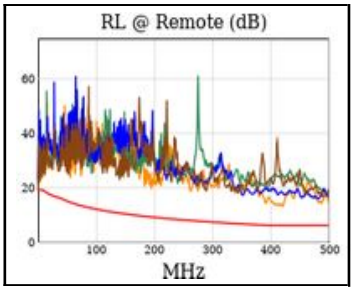












FLUKE networks

LinkWare Live

Cable ID: 116-A

Test Summary: PASS

Date / Time: 11/26/2022 06:13:43 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	95
Prop. Delay (ns), Limit 555	[Pair 4,5]	151
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	35.1
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.2	2.6	5.8	7.0
Freq. (MHz)	54.0	96.5	500.0	484.0
Limit (dB)	44.4	40.2	26.1	26.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.7	7.1	7.3
Freq. (MHz)	54.0	239.5	500.0	500.0
Limit (dB)	41.7	30.5	23.2	23.2

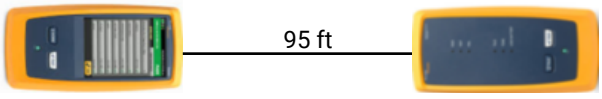
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.2	8.7	9.3	8.8
Freq. (MHz)	303.0	327.0	334.0	330.0
Limit (dB)	13.6	13.0	12.8	12.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.8	10.7	12.9
Freq. (MHz)	334.0	7.6	334.0	404.0
Limit (dB)	9.8	42.6	9.8	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.8	10.4	42.1	41.9
Freq. (MHz)	3.6	15.1	500.0	484.0
Limit (dB)	59.8	45.7	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	11.7	42.8	42.6
Freq. (MHz)	3.4	3.5	500.0	497.0
Limit (dB)	57.9	57.6	-26.1	-25.8

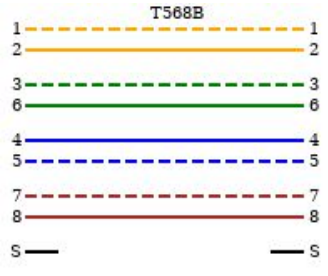
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.4	2.7	7.5	3.5
Freq. (MHz)	194.0	44.3	459.0	280.0
Limit (dB)	9.1	15.5	6.0	7.5

Compliant Network Standards:

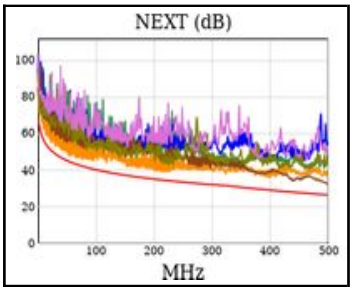
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

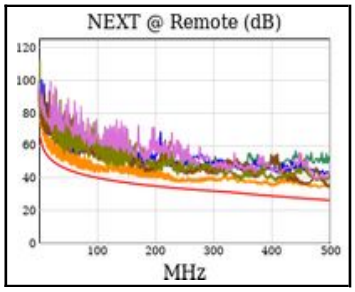


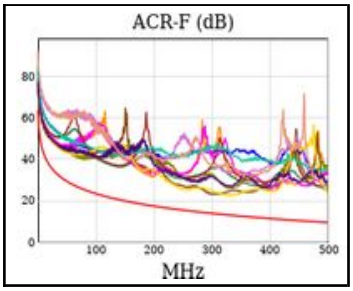
PASS

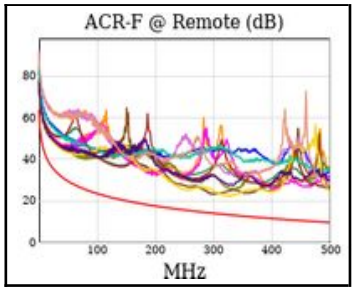


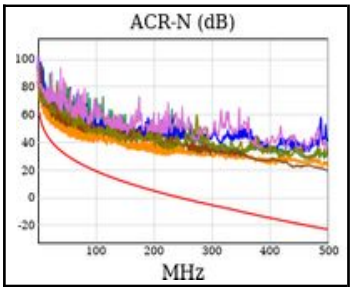


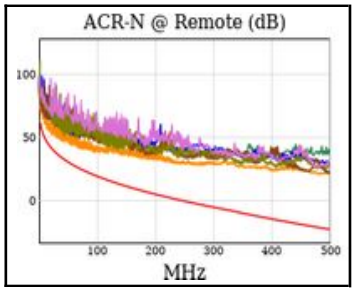


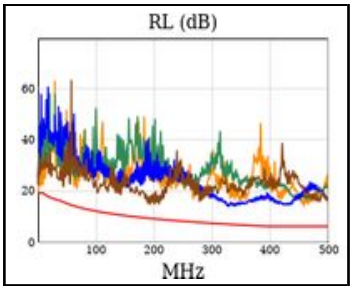


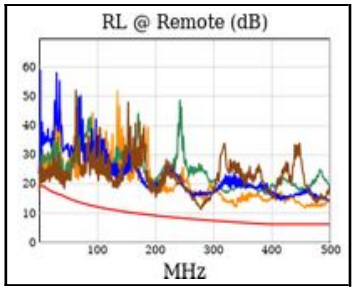












FLUKE networks

LinkWare Live

Cable ID: 116-B

Test Summary: PASS

Date / Time: 11/26/2022 06:14:25 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	95
Prop. Delay (ns), Limit 555	[Pair 4,5]	151
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	18.6
Insertion Loss Margin (dB)	[Pair 3,6]	34.3
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.3	3.8	4.1	6.2
Freq. (MHz)	69.8	248.0	491.0	469.0
Limit (dB)	42.6	33.2	26.3	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	6.0	6.7	7.9
Freq. (MHz)	54.0	252.0	499.0	469.0
Limit (dB)	41.7	30.1	23.3	24.0

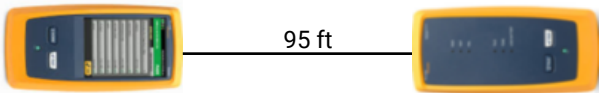
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	11.0	10.8	12.0	10.8
Freq. (MHz)	24.0	303.0	498.0	481.0
Limit (dB)	35.7	13.6	9.3	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.1	12.8	12.9
Freq. (MHz)	1.0	1.0	498.0	481.0
Limit (dB)	60.3	60.3	6.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.7	9.5	40.6	40.7
Freq. (MHz)	3.6	4.1	499.0	481.0
Limit (dB)	59.8	58.6	-23.1	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.9	40.8	44.2
Freq. (MHz)	3.4	3.6	490.0	500.0
Limit (dB)	57.9	57.3	-25.3	-26.1

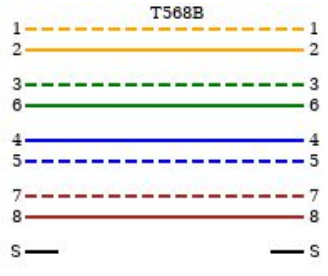
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.5	2.2	7.3	5.2
Freq. (MHz)	45.0	44.5	482.0	463.0
Limit (dB)	15.5	15.5	6.0	6.0

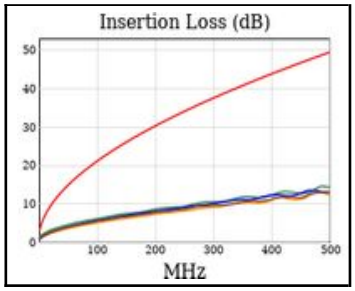
Compliant Network Standards:

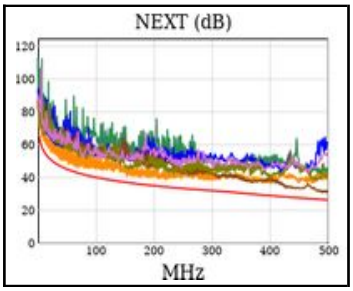
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

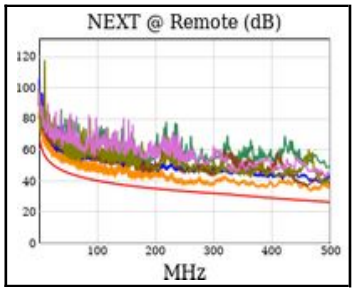


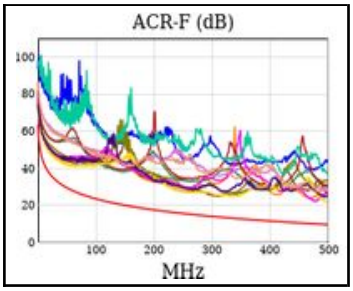
PASS

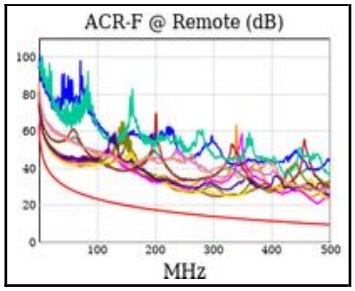


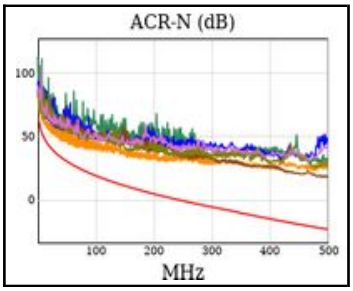


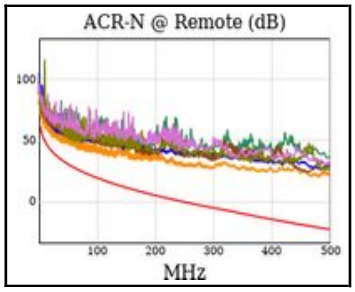


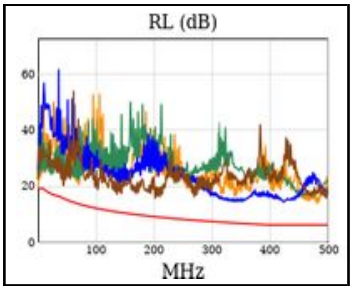


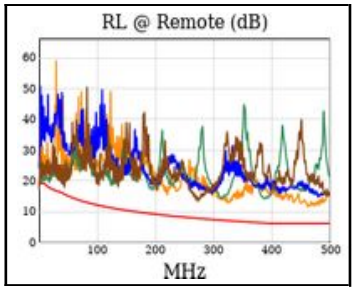












FLUKE networks

LinkWare Live

Cable ID: 116-A

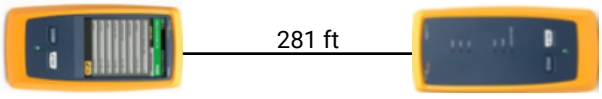
Test Summary: PASS

Date / Time: 11/26/2022 03:04:06 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

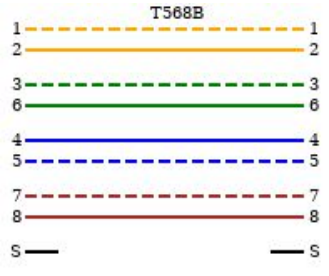
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

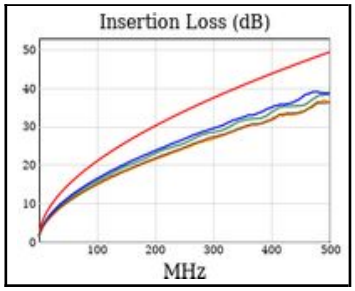
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	281
Prop. Delay (ns), Limit 555	[Pair 3,6]	434
Delay Skew (ns), Limit 50	[Pair 3,6]	16
Resistance (ohms)	[Pair 7,8]	12.9
Insertion Loss Margin (dB)	[Pair 4,5]	9.3
Frequency (MHz)	[Pair 4,5]	481.0
Limit (dB)	[Pair 4,5]	48.3

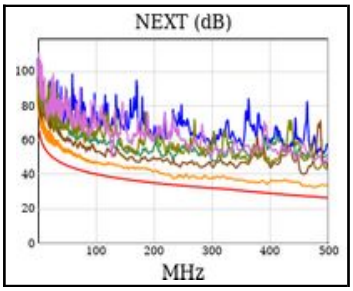


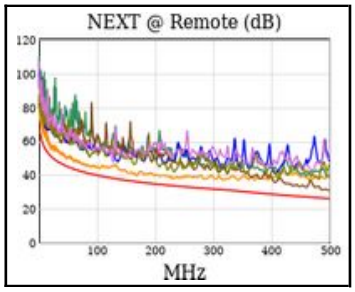
PASS



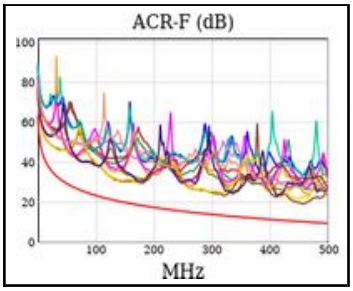


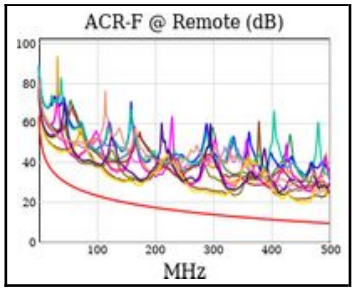
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	3.5	5.5	4.7
Freq. (MHz)	234.5	168.5	477.0	500.0
Limit (dB)	33.6	36.1	26.7	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	5.5	8.2	7.0
Freq. (MHz)	240.0	232.5	478.0	500.0
Limit (dB)	30.5	30.7	23.7	23.2



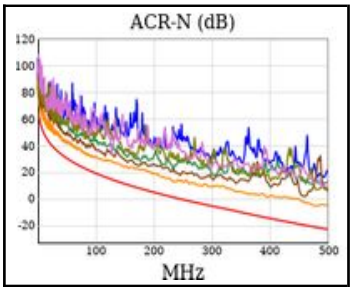


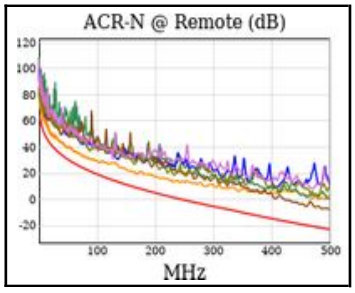
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.9	9.5	9.0	9.7
Freq. (MHz)	457.0	451.0	459.0	459.0
Limit (dB)	10.1	10.2	10.0	10.0
Worst Pair	4,5	3,6	4,5	4,5
PS ACR-F (dB)	10.8	11.2	10.9	11.3
Freq. (MHz)	457.0	5.0	460.0	459.0
Limit (dB)	7.1	46.3	7.0	7.0



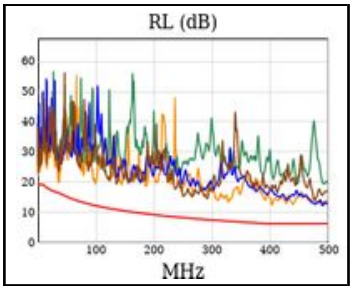


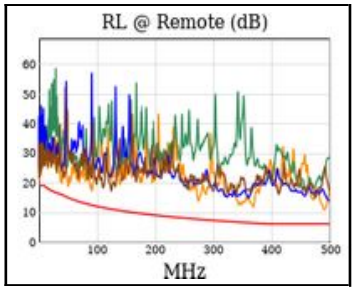
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.9	6.9	16.3	15.2
Freq. (MHz)	6.0	23.1	482.0	500.0
Limit (dB)	55.1	40.7	-21.8	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	9.0	18.8	17.5
Freq. (MHz)	4.8	23.1	482.0	500.0
Limit (dB)	54.8	38.1	-24.7	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	3.3	3.7	6.0	4.8
Freq. (MHz)	36.5	51.0	492.0	491.0
Limit (dB)	16.2	14.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-B

Test Summary: PASS

Date / Time: 11/26/2022 03:04:41 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 3,6]	431
Delay Skew (ns), Limit 50	[Pair 3,6]	16
Resistance (ohms)	[Pair 3,6]	17.7
Insertion Loss Margin (dB)	[Pair 3,6]	11.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	4.4	6.9	4.4
Freq. (MHz)	238.0	500.0	480.0	500.0
Limit (dB)	33.5	26.1	26.6	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.9	5.7	8.9	5.7
Freq. (MHz)	237.0	500.0	500.0	500.0
Limit (dB)	30.6	23.2	23.2	23.2

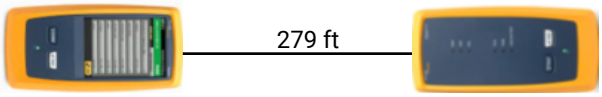
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	10.3	10.4	10.3
Freq. (MHz)	177.5	380.0	387.0	380.0
Limit (dB)	18.3	11.7	11.5	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	13.5	12.1
Freq. (MHz)	343.0	182.0	484.0	398.0
Limit (dB)	9.6	15.1	6.6	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.0	7.7	19.1	16.2
Freq. (MHz)	9.6	11.0	494.0	500.0
Limit (dB)	50.5	49.1	-22.7	-23.2
Worst Pair	3,6	1,2	3,6	4,5
PS ACR-N (dB)	9.2	9.6	20.7	17.5
Freq. (MHz)	9.6	9.8	500.0	500.0
Limit (dB)	47.9	47.8	-26.1	-26.1

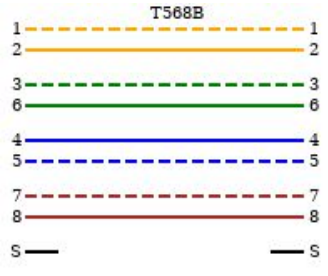
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	5.5	5.2	6.2	7.2
Freq. (MHz)	279.0	3.9	449.0	480.0
Limit (dB)	7.5	19.0	6.0	6.0

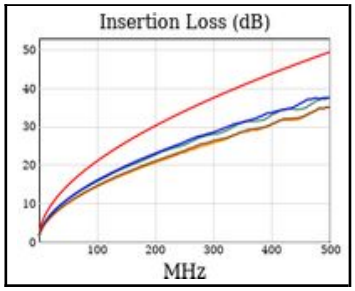
Compliant Network Standards:

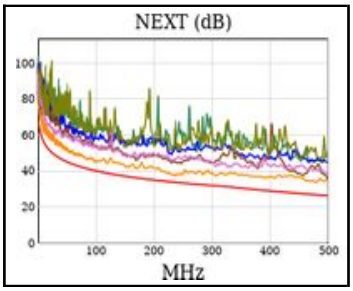
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

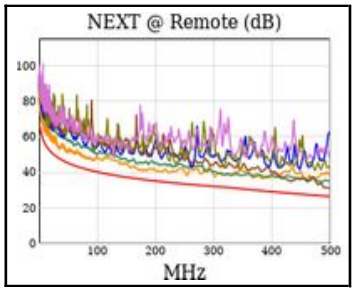


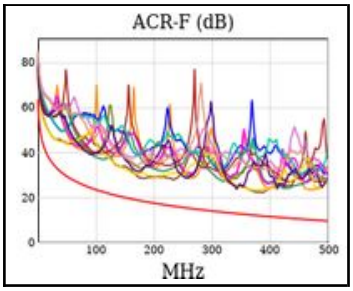
PASS

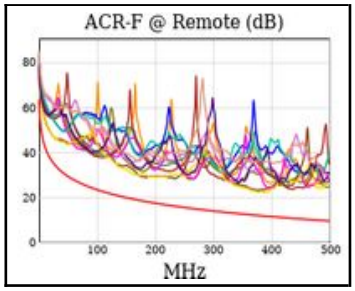


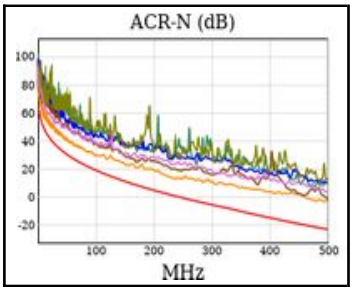


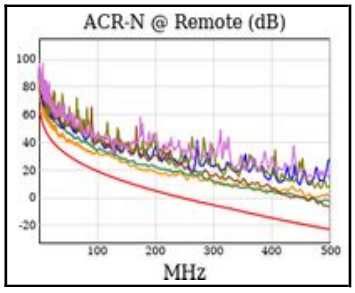


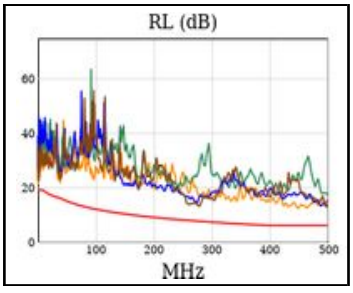


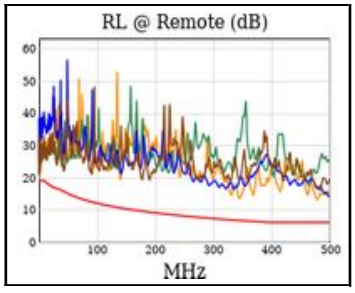












FLUKE networks

LinkWare Live

Cable ID: 116-2-A

Test Summary: PASS

Date / Time: 12/03/2022 01:47:39 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	173
Prop. Delay (ns), Limit 555	[Pair 3,6]	268
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	25.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	3.3	3.5	5.0
Freq. (MHz)	496.0	179.0	496.0	461.0
Limit (dB)	26.2	35.6	26.2	27.1
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	5.5	3.3	5.6	6.1
Freq. (MHz)	499.0	179.0	500.0	461.0
Limit (dB)	23.3	32.7	23.2	24.2

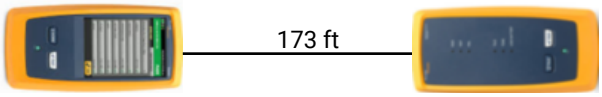
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.5	10.9	10.6
Freq. (MHz)	320.0	372.0	378.0	380.0
Limit (dB)	13.2	11.8	11.7	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.4	12.9	12.3
Freq. (MHz)	6.4	327.0	417.0	415.0
Limit (dB)	44.2	10.0	7.9	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	9.1	29.2	31.4
Freq. (MHz)	8.0	9.6	500.0	481.0
Limit (dB)	52.4	50.5	-23.2	-21.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.5	8.2	31.1	32.5
Freq. (MHz)	4.0	3.8	500.0	481.0
Limit (dB)	56.4	57.0	-26.1	-24.6

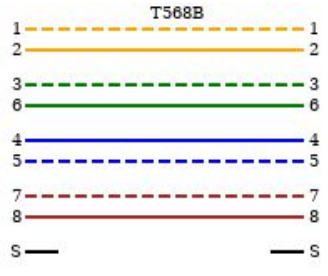
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.6	2.4	6.0	2.4
Freq. (MHz)	125.0	488.0	495.0	488.0
Limit (dB)	11.0	6.0	6.0	6.0

Compliant Network Standards:

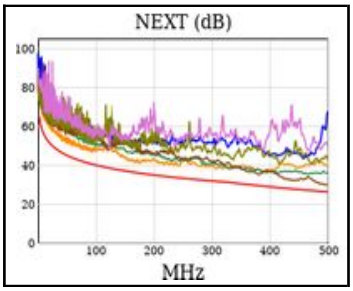
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

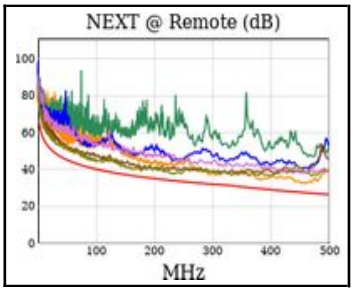


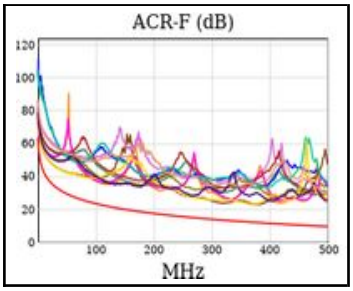
PASS

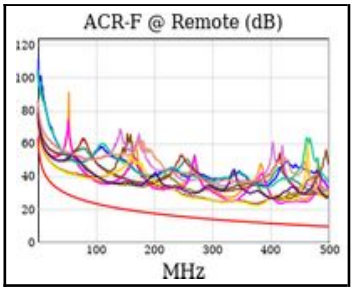


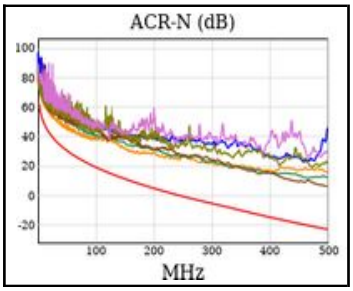


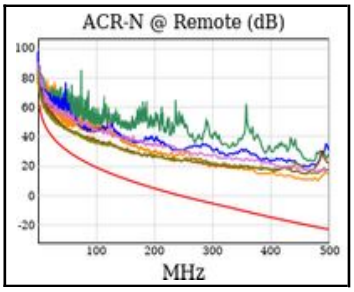


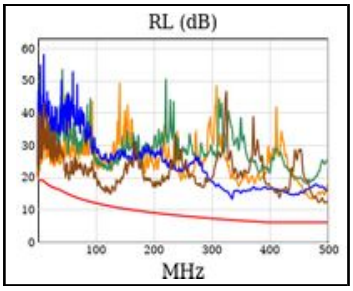


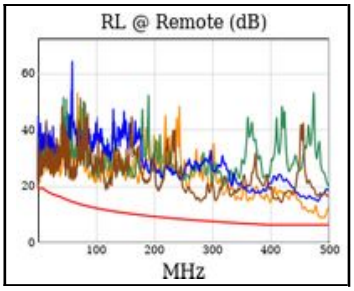












FLUKE networks

LinkWare Live

Cable ID: 116-2-B

Test Summary: PASS

Date / Time: 12/03/2022 01:49:37 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	174
Prop. Delay (ns), Limit 555	[Pair 3,6]	269
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.0	5.0	5.4	9.0
Freq. (MHz)	163.5	151.0	500.0	467.0
Limit (dB)	36.3	36.9	26.1	26.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.7	4.6	6.9	8.6
Freq. (MHz)	163.0	151.0	500.0	467.0
Limit (dB)	33.4	34.0	23.2	24.0

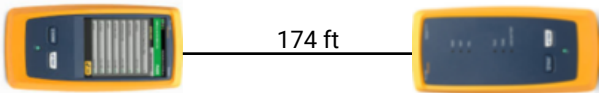
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.0	10.3	10.3
Freq. (MHz)	466.0	457.0	500.0	500.0
Limit (dB)	9.9	10.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.3	10.7	11.3
Freq. (MHz)	490.0	488.0	490.0	488.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	9.4	30.0	35.5
Freq. (MHz)	5.8	5.9	500.0	500.0
Limit (dB)	55.6	55.3	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.8	7.8	31.5	32.8
Freq. (MHz)	3.9	3.8	500.0	459.0
Limit (dB)	56.7	57.0	-26.1	-22.8

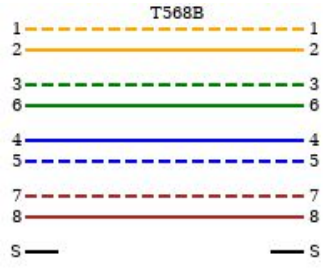
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.9	5.6	6.0	6.5
Freq. (MHz)	123.0	56.8	496.0	500.0
Limit (dB)	11.1	14.5	6.0	6.0

Compliant Network Standards:

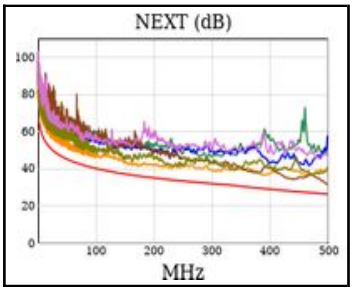
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

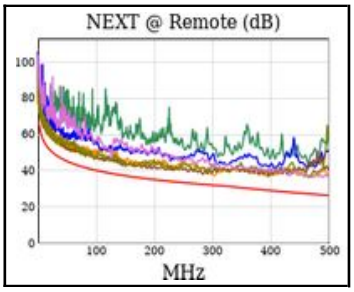


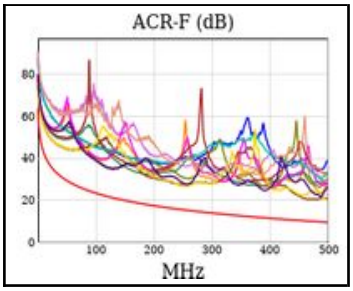
PASS

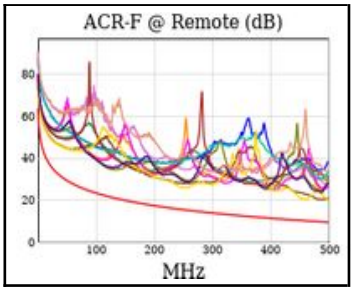


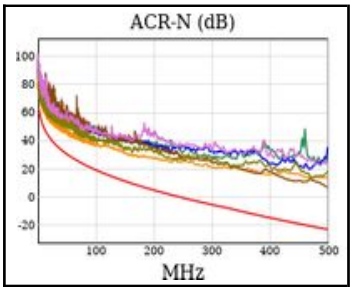


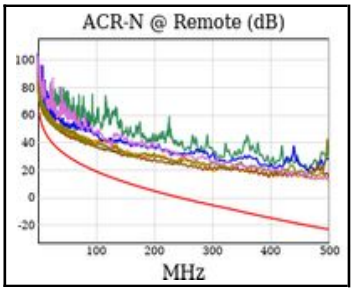


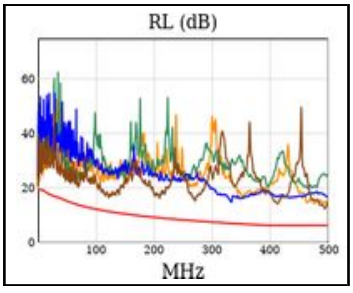


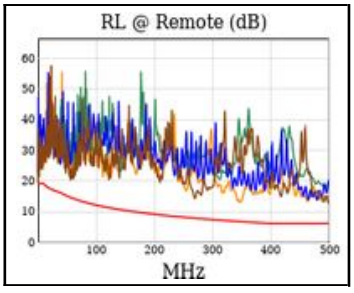












FLUKE networks

LinkWare Live

Cable ID: 117-1-A

Test Summary: PASS

Date / Time: 12/03/2022 01:59:45 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 3,6]	288
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 4,5]	22.2
Frequency (MHz)	[Pair 4,5]	478.0
Limit (dB)	[Pair 4,5]	48.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	5.1	5.3	6.3
Freq. (MHz)	500.0	210.0	500.0	398.0
Limit (dB)	26.1	34.4	26.1	28.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	4.4	6.9	4.8
Freq. (MHz)	500.0	306.0	500.0	398.0
Limit (dB)	23.2	28.6	23.2	25.8

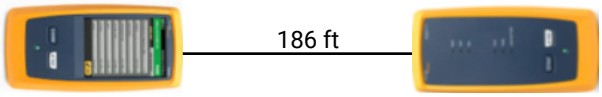
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	9.9	10.8	10.0
Freq. (MHz)	197.0	447.0	451.0	450.0
Limit (dB)	17.4	10.3	10.2	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	10.7	11.2
Freq. (MHz)	402.0	403.0	402.0	405.0
Limit (dB)	8.2	8.2	8.2	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.5	10.0	29.1	32.6
Freq. (MHz)	3.6	3.8	500.0	469.0
Limit (dB)	59.8	59.5	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	8.4	30.6	31.9
Freq. (MHz)	3.6	3.5	500.0	469.0
Limit (dB)	57.3	57.6	-26.1	-23.6

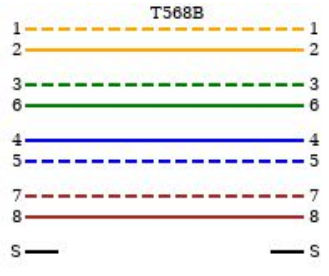
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.7	4.3	6.5	5.5
Freq. (MHz)	125.0	11.5	416.0	489.0
Limit (dB)	11.0	18.7	6.0	6.0

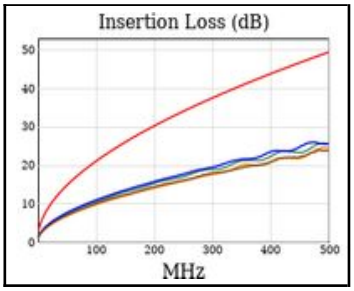
Compliant Network Standards:

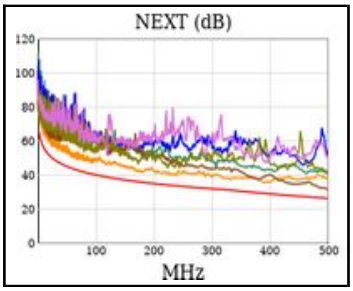
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

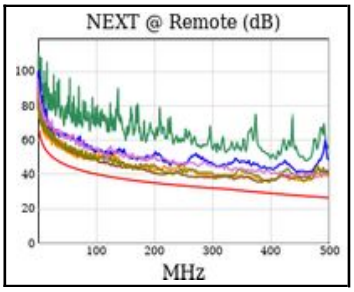


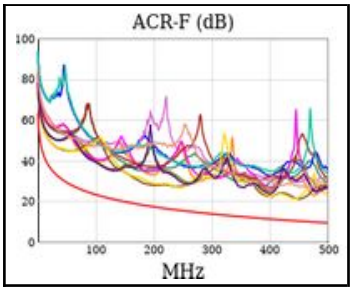
PASS

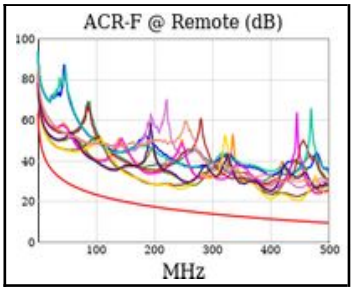


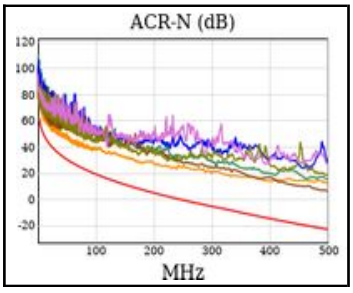


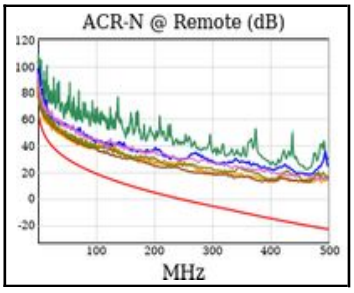


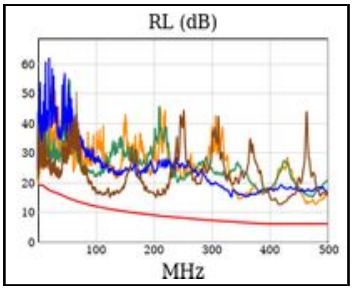


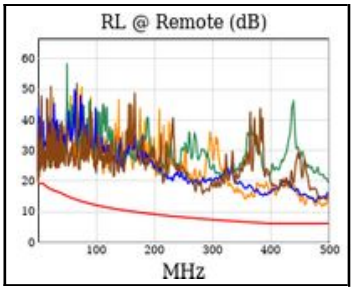












FLUKE networks

LinkWare Live

Cable ID: 117-1-B

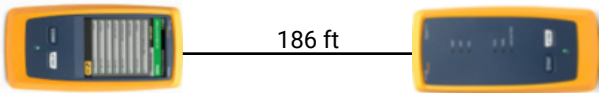
Test Summary: PASS

Date / Time: 12/03/2022 02:00:47 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

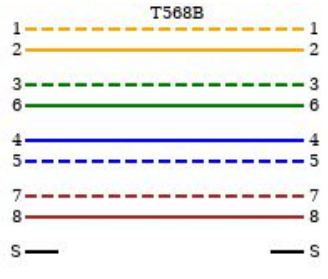
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

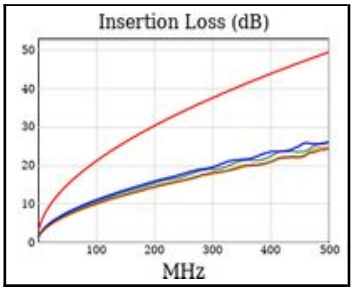
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

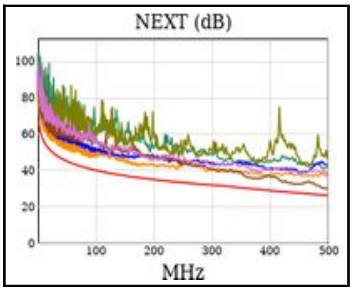
Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 3,6]	288
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 4,5]	23.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

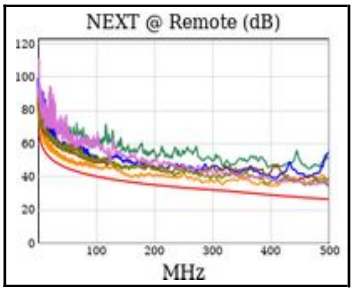


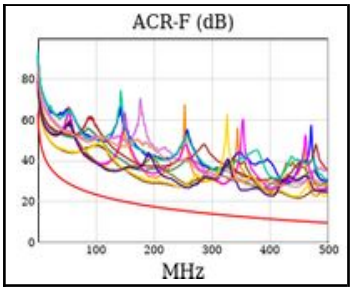
PASS

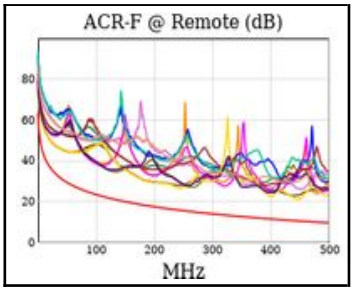


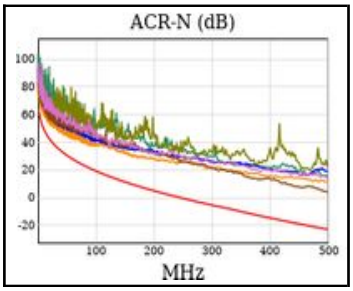


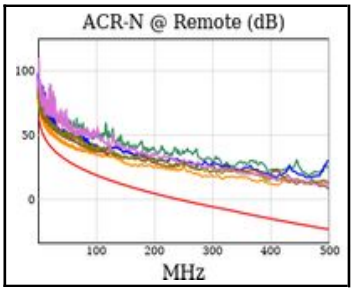


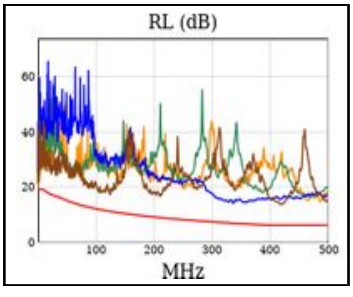


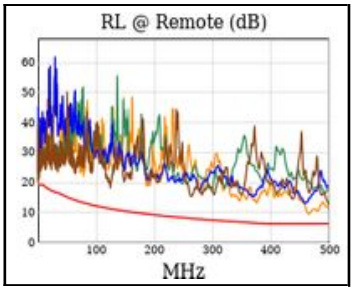












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	3.0	3.5	5.8
Freq. (MHz)	500.0	163.5	500.0	410.0
Limit (dB)	26.1	36.3	26.1	28.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	4.1	5.6	5.3
Freq. (MHz)	500.0	159.5	500.0	395.0
Limit (dB)	23.2	33.6	23.2	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	11.2	10.7	11.2	10.8
Freq. (MHz)	450.0	447.0	450.0	451.0
Limit (dB)	10.2	10.3	10.2	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.1	11.8	10.1	12.5
Freq. (MHz)	406.0	402.0	406.0	451.0
Limit (dB)	8.1	8.2	8.1	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.0	6.9	26.8	31.4
Freq. (MHz)	5.5	5.5	500.0	500.0
Limit (dB)	56.0	56.0	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.2	7.7	28.9	32.0
Freq. (MHz)	3.6	3.5	500.0	500.0
Limit (dB)	57.3	57.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.8	3.3	7.5	3.3
Freq. (MHz)	125.0	466.0	418.0	466.0
Limit (dB)	11.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-2-A

Test Summary: PASS

Date / Time: 12/03/2022 02:22:46 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 3,6]	282
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	23.5
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.2	3.2	4.3	4.9
Freq. (MHz)	78.3	301.0	500.0	390.0
Limit (dB)	41.7	31.7	26.1	29.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.5	3.8	6.6	5.3
Freq. (MHz)	3.6	169.0	500.0	398.0
Limit (dB)	61.2	33.1	23.2	25.8

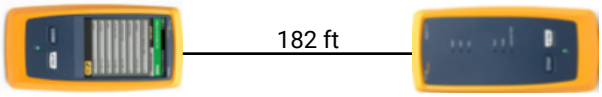
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.7	10.5	10.7	10.8
Freq. (MHz)	475.0	245.5	475.0	479.0
Limit (dB)	9.7	15.5	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.1	10.2	10.1
Freq. (MHz)	476.0	473.0	476.0	473.0
Limit (dB)	6.7	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.7	7.0	28.2	33.4
Freq. (MHz)	5.6	5.6	500.0	490.0
Limit (dB)	55.8	55.8	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	7.1	30.1	31.5
Freq. (MHz)	3.6	3.5	498.0	473.0
Limit (dB)	57.3	57.6	-25.9	-24.0

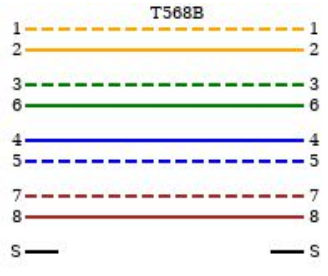
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.4	3.5	6.4	3.5
Freq. (MHz)	115.0	461.0	498.0	461.0
Limit (dB)	11.4	6.0	6.0	6.0

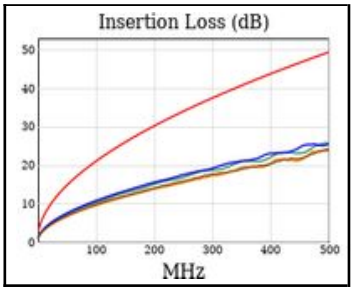
Compliant Network Standards:

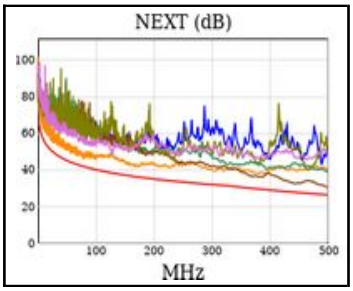
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

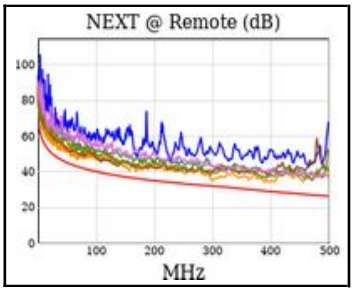


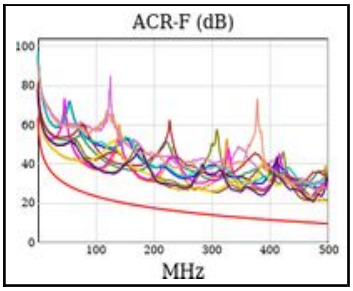
PASS

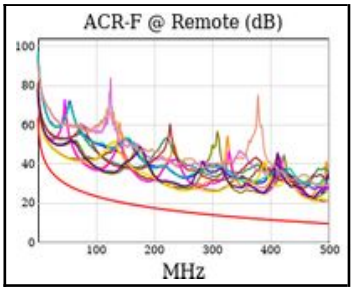


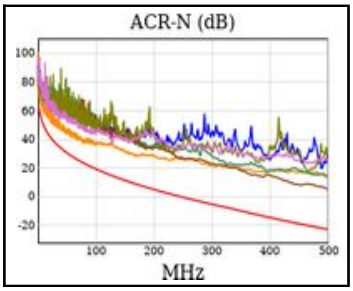


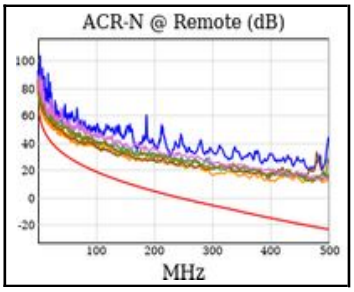


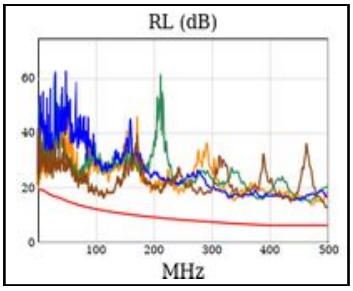


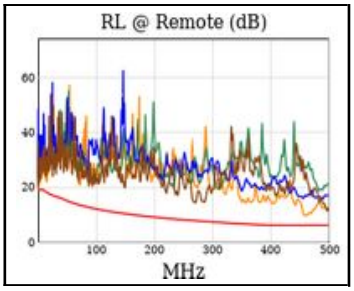












FLUKE networks

LinkWare Live

Cable ID: 117-2-B

Test Summary: PASS

Date / Time: 12/03/2022 02:23:36 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 3,6]	282
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	23.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.8	3.9	4.8	8.1
Freq. (MHz)	497.0	226.0	497.0	462.0
Limit (dB)	26.2	33.9	26.2	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	4.1	7.1	7.9
Freq. (MHz)	80.3	228.0	495.0	462.0
Limit (dB)	38.7	30.9	23.3	24.1

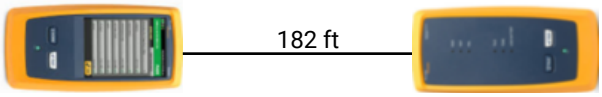
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.9	10.7	13.2	10.7
Freq. (MHz)	312.0	376.0	475.0	376.0
Limit (dB)	13.4	11.8	9.7	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	12.3	13.2	12.5
Freq. (MHz)	351.0	5.9	477.0	393.0
Limit (dB)	9.4	44.9	6.7	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.6	8.5	28.9	31.7
Freq. (MHz)	7.6	7.5	500.0	462.0
Limit (dB)	52.8	53.0	-23.2	-20.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	7.8	30.5	31.5
Freq. (MHz)	3.8	3.5	495.0	462.0
Limit (dB)	57.0	57.6	-25.7	-23.1

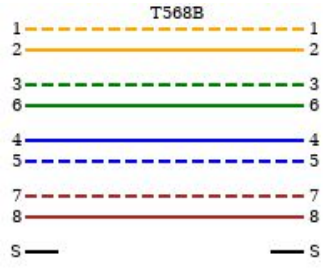
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.9	3.6	6.4	3.6
Freq. (MHz)	114.5	465.0	500.0	465.0
Limit (dB)	11.4	6.0	6.0	6.0

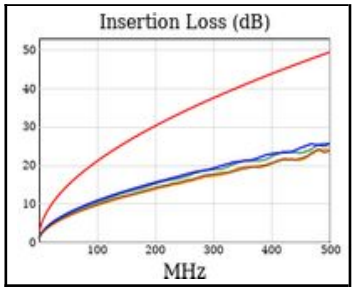
Compliant Network Standards:

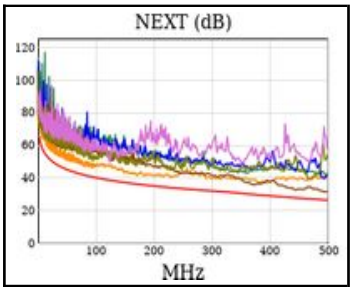
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

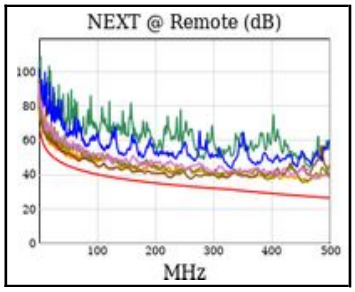


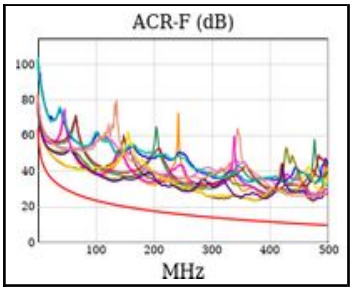
PASS

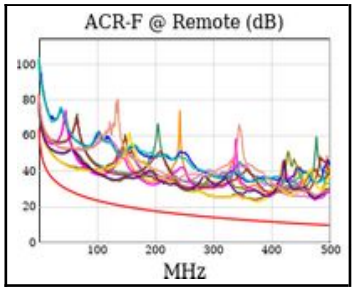


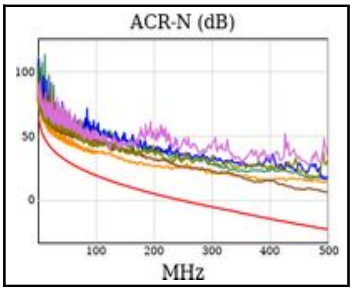


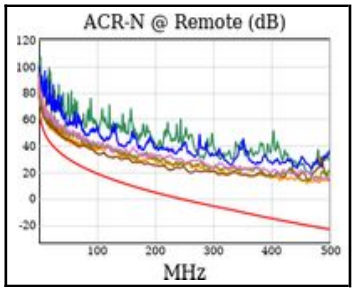


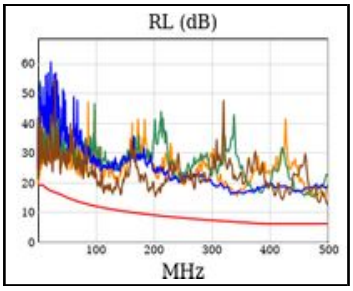


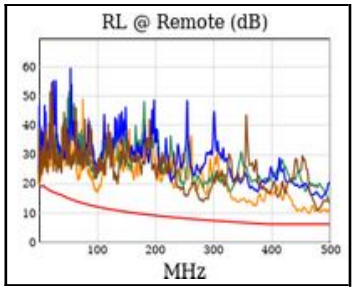












FLUKE networks

LinkWare Live

Cable ID: 117-3-A

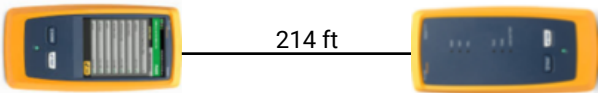
Test Summary: PASS

Date / Time: 12/03/2022 02:06:37 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

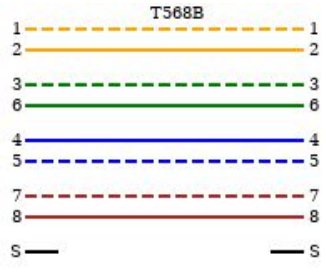
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

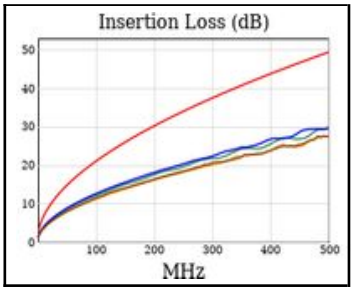
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	214
Prop. Delay (ns), Limit 555	[Pair 3,6]	332
Delay Skew (ns), Limit 50	[Pair 3,6]	13
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 4,5]	19.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

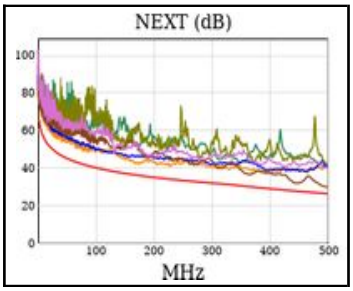


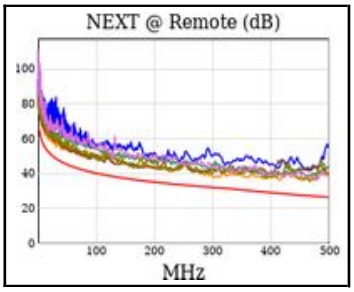
PASS



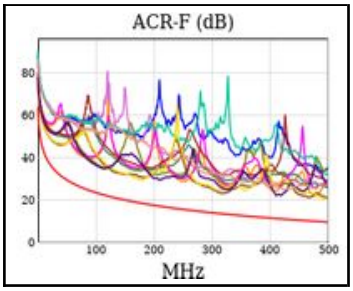


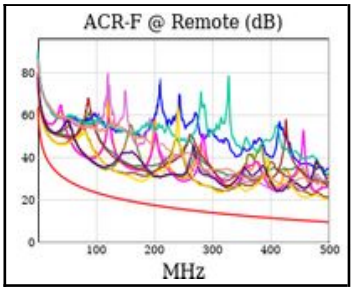
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	3.5	5.7	3.5	8.1
Freq. (MHz)	500.0	303.0	500.0	468.0
Limit (dB)	26.1	31.7	26.1	26.9
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	5.7	5.7	5.7	8.2
Freq. (MHz)	500.0	159.5	500.0	468.0
Limit (dB)	23.2	33.6	23.2	24.0



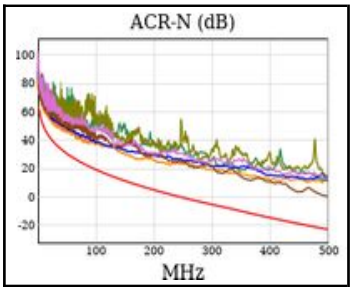


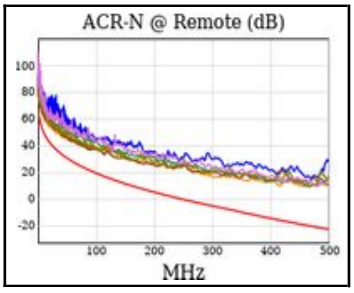
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.9	10.9	10.8
Freq. (MHz)	320.0	314.0	498.0	499.0
Limit (dB)	13.2	13.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.3	10.3	12.4	12.1
Freq. (MHz)	322.0	329.0	498.0	499.0
Limit (dB)	10.1	9.9	6.3	6.3



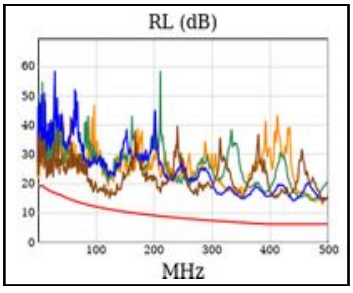


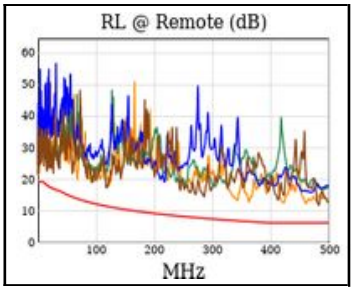
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	9.7	9.3	23.2	29.3
Freq. (MHz)	6.3	6.4	500.0	468.0
Limit (dB)	54.8	54.6	-23.2	-20.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.0	9.4	25.4	28.1
Freq. (MHz)	3.3	3.0	500.0	468.0
Limit (dB)	58.2	58.4	-26.1	-23.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	3.7	4.3	6.7	5.5
Freq. (MHz)	124.5	16.0	491.0	483.0
Limit (dB)	11.0	18.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-3-B

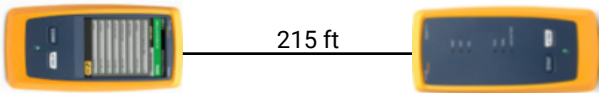
Test Summary: PASS

Date / Time: 12/03/2022 02:07:23 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

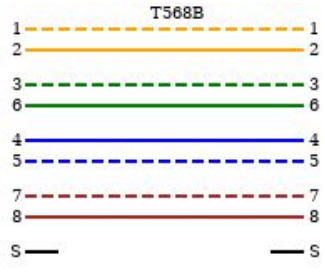
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

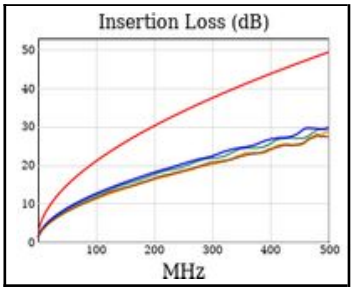
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

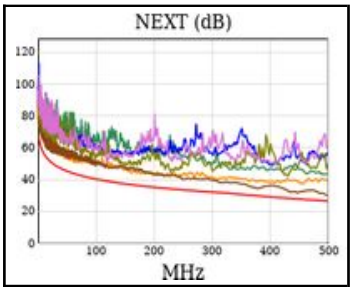
Length (ft), Limit 328	[Pair 1,2]	215
Prop. Delay (ns), Limit 555	[Pair 3,6]	333
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.6
Insertion Loss Margin (dB)	[Pair 4,5]	19.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

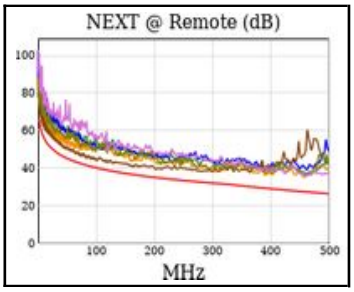


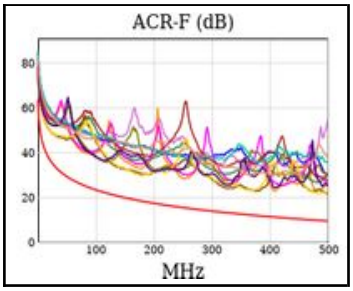
PASS

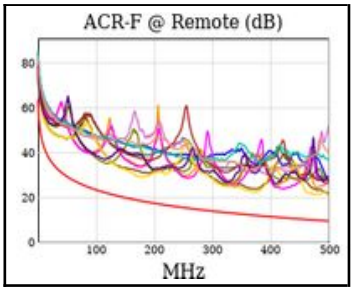


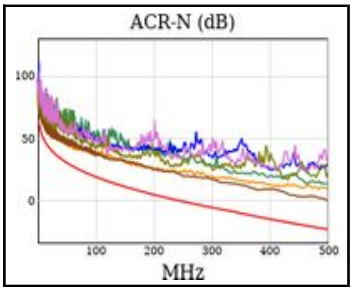


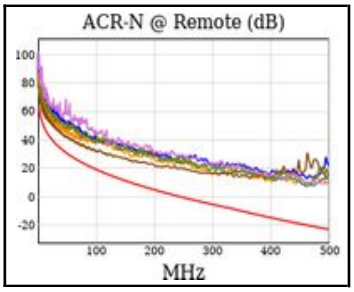


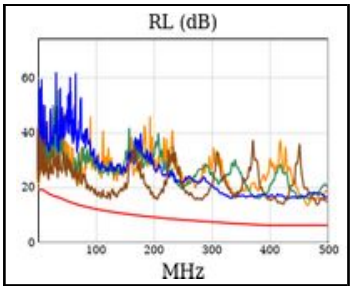


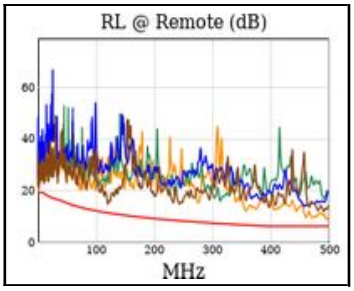












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	3.8	3.5	7.8
Freq. (MHz)	500.0	120.5	500.0	458.0
Limit (dB)	26.1	38.5	26.1	27.1
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.8	4.2	5.9	7.4
Freq. (MHz)	499.0	73.8	500.0	461.0
Limit (dB)	23.3	39.4	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.3	11.8	11.7
Freq. (MHz)	377.0	371.0	499.0	500.0
Limit (dB)	11.7	11.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.7	12.0	13.5
Freq. (MHz)	327.0	337.0	490.0	500.0
Limit (dB)	10.0	9.7	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-4,5
ACR-N (dB)	8.7	7.5	23.1	27.1
Freq. (MHz)	3.9	4.3	500.0	462.0
Limit (dB)	59.2	58.3	-23.2	-20.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.1	8.0	25.7	26.6
Freq. (MHz)	3.4	3.0	500.0	462.0
Limit (dB)	57.9	58.4	-26.1	-23.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.3	2.6	7.2	2.6
Freq. (MHz)	125.5	497.0	466.0	497.0
Limit (dB)	11.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-A

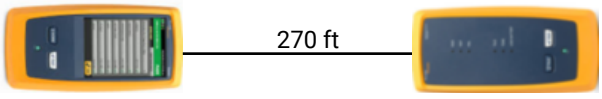
Test Summary: PASS

Date / Time: 12/10/2022 01:25:04 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

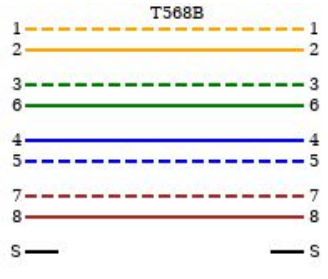
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

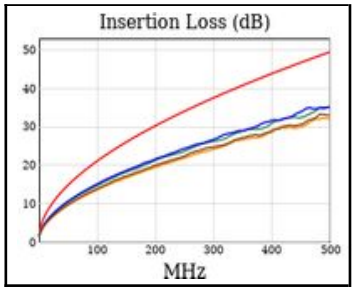
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

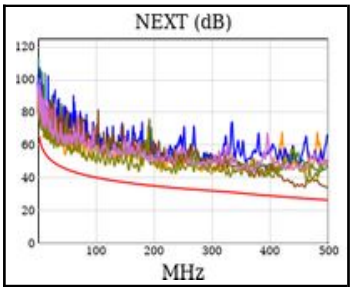
Length (ft), Limit 328	[Pair 1,2]	270
Prop. Delay (ns), Limit 555	[Pair 4,5]	429
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	13.2
Insertion Loss Margin (dB)	[Pair 4,5]	14.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

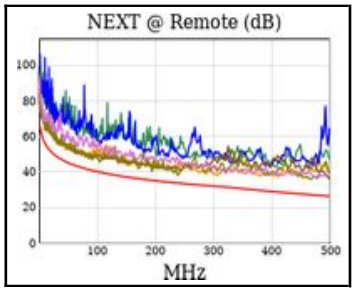


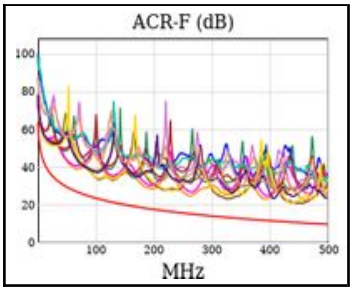
PASS

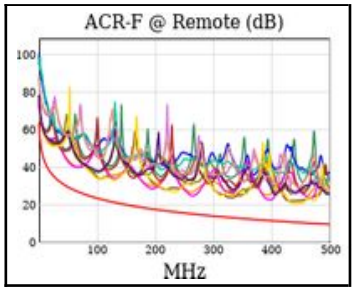


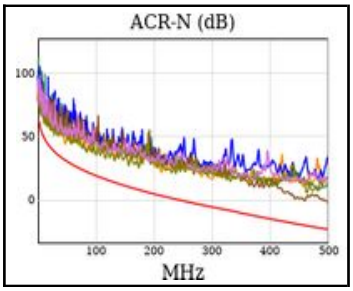


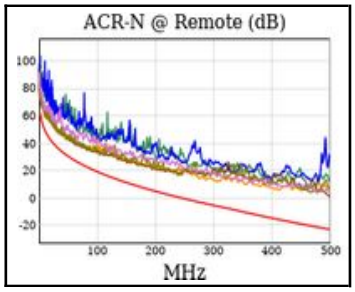


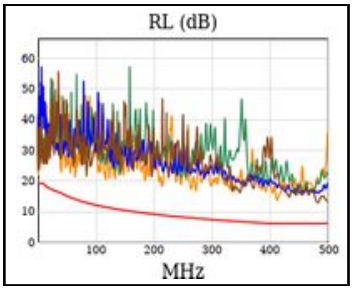


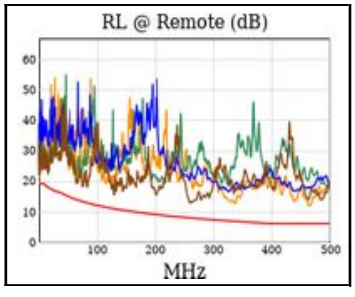












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	6.6	4.4	7.6	9.4
Freq. (MHz)	444.0	240.0	499.0	500.0
Limit (dB)	27.5	33.4	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.1	5.0	9.1	9.8
Freq. (MHz)	463.0	239.5	463.0	500.0
Limit (dB)	24.1	30.5	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.6	9.9	9.6
Freq. (MHz)	263.0	443.0	437.0	443.0
Limit (dB)	14.9	10.3	10.4	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.8	10.4	11.0	11.4
Freq. (MHz)	334.0	335.0	437.0	444.0
Limit (dB)	9.8	9.8	7.4	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.9	9.0	21.8	23.5
Freq. (MHz)	6.1	10.4	500.0	500.0
Limit (dB)	55.0	49.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.5	9.2	24.3	24.0
Freq. (MHz)	3.6	10.1	500.0	500.0
Limit (dB)	57.3	47.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.4	4.2	6.7	5.8
Freq. (MHz)	11.6	16.8	484.0	465.0
Limit (dB)	18.7	17.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-B

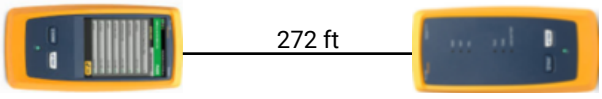
Test Summary: PASS

Date / Time: 12/10/2022 01:25:29 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

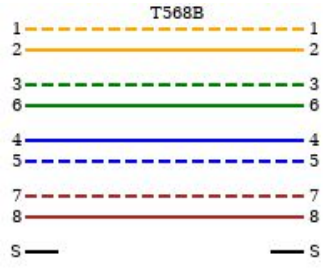
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

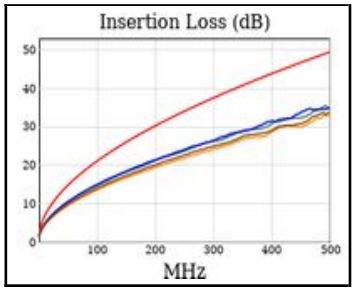
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

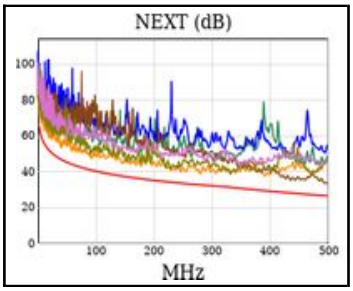
Length (ft), Limit 328	[Pair 1,2]	272
Prop. Delay (ns), Limit 555	[Pair 4,5]	428
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	15.0
Insertion Loss Margin (dB)	[Pair 3,6]	13.7
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

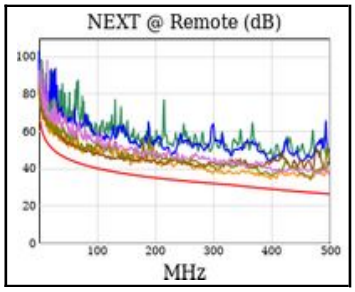


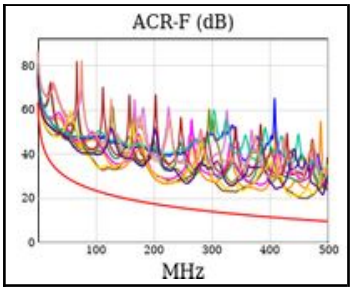
PASS

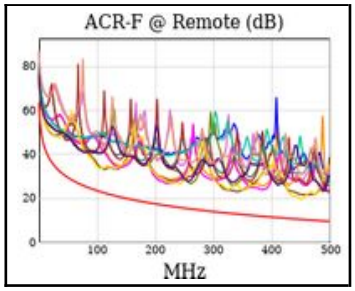


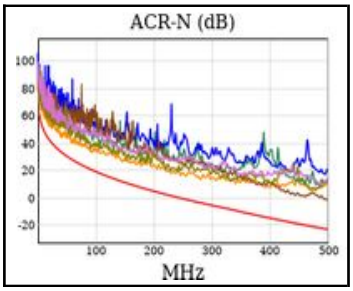


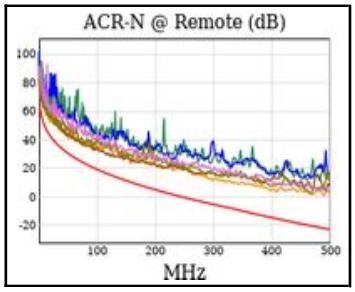


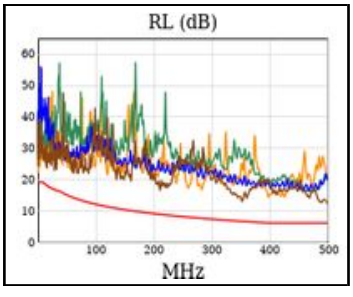


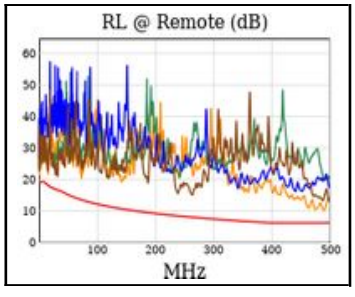












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.2	5.0	7.0	6.9
Freq. (MHz)	247.0	158.0	500.0	468.0
Limit (dB)	33.2	36.5	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	5.1	9.2	6.9
Freq. (MHz)	229.0	93.3	495.0	468.0
Limit (dB)	30.8	37.6	23.3	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.1	9.7	9.1
Freq. (MHz)	460.0	452.0	460.0	452.0
Limit (dB)	10.0	10.2	10.0	10.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	9.9	10.3	11.5	11.1
Freq. (MHz)	226.5	226.5	454.0	453.0
Limit (dB)	13.2	13.2	7.1	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.8	7.5	21.4	23.4
Freq. (MHz)	3.6	3.8	500.0	492.0
Limit (dB)	59.8	59.5	-23.2	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	7.2	23.0	21.2
Freq. (MHz)	3.6	3.5	495.0	468.0
Limit (dB)	57.3	57.6	-25.7	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.6	3.5	6.3	4.1
Freq. (MHz)	16.8	16.8	499.0	491.0
Limit (dB)	17.9	17.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-A

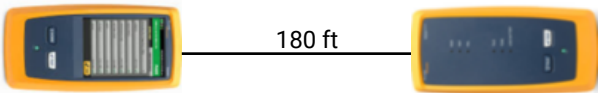
Test Summary: PASS

Date / Time: 12/10/2022 03:52:19 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

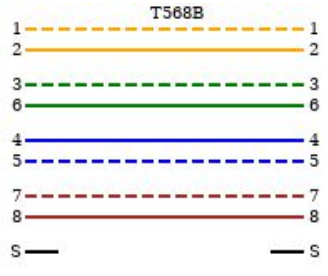
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

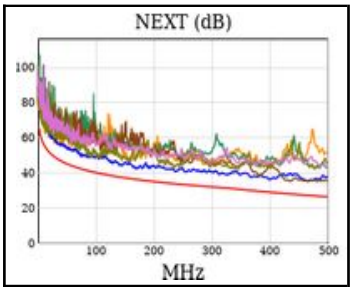
Length (ft), Limit 328	[Pair 1,2]	180
Prop. Delay (ns), Limit 555	[Pair 4,5]	284
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.6
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

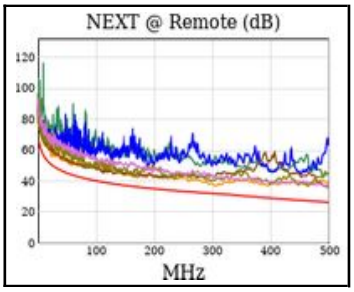


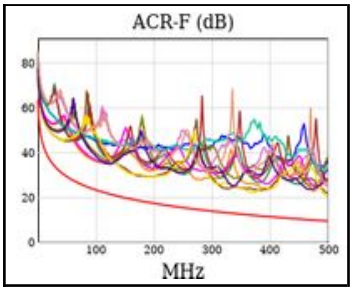
PASS

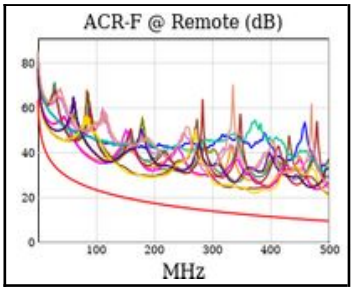


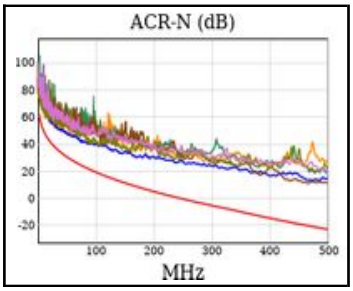


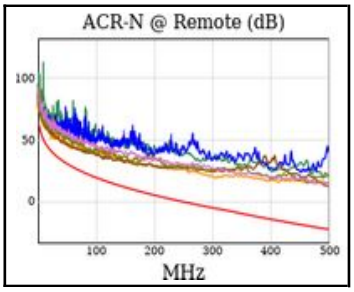


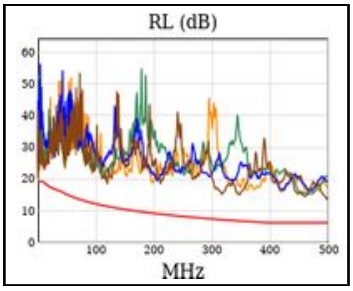


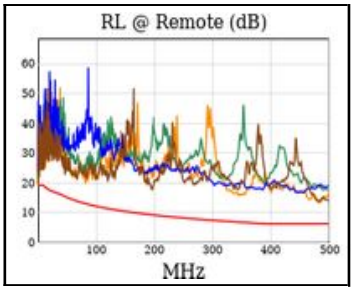












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	5.9	4.9	7.9	9.6
Freq. (MHz)	170.0	23.5	467.0	500.0
Limit (dB)	36.0	50.5	26.9	26.1
Worst Pair	7,8	3,6	4,5	4,5
PS NEXT (dB)	7.4	5.4	10.2	9.9
Freq. (MHz)	145.0	164.5	486.0	500.0
Limit (dB)	34.3	33.3	23.6	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.9	11.1	11.2
Freq. (MHz)	371.0	372.0	500.0	500.0
Limit (dB)	11.9	11.8	9.3	9.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.2	11.2	13.1	11.8
Freq. (MHz)	6.4	2.5	500.0	500.0
Limit (dB)	44.2	52.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.9	9.9	31.4	34.7
Freq. (MHz)	13.4	3.3	468.0	500.0
Limit (dB)	47.0	60.7	-20.7	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.8	10.4	35.9	35.0
Freq. (MHz)	5.6	3.6	500.0	500.0
Limit (dB)	53.2	57.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.2	6.3	7.3	7.2
Freq. (MHz)	12.1	12.3	499.0	485.0
Limit (dB)	18.6	18.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-B

Test Summary: PASS

Date / Time: 12/10/2022 03:53:20 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	180
Prop. Delay (ns), Limit 555	[Pair 4,5]	284
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	8.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.7
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	3,6-4,5	1,2-4,5
NEXT (dB)	6.3	3.9	7.8	6.4
Freq. (MHz)	21.0	189.0	500.0	431.0
Limit (dB)	51.3	35.2	26.1	27.9
Worst Pair	1,2	3,6	4,5	1,2
PS NEXT (dB)	7.3	4.3	7.6	6.7
Freq. (MHz)	5.8	174.5	453.0	431.0
Limit (dB)	58.0	32.9	24.4	24.9

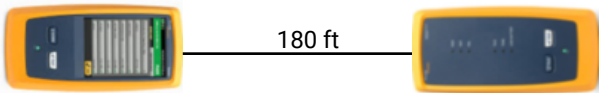
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.7	11.4	11.2
Freq. (MHz)	323.0	312.0	473.0	455.0
Limit (dB)	13.1	13.4	9.8	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.6	11.3
Freq. (MHz)	312.0	484.0	493.0	485.0
Limit (dB)	10.4	6.6	6.4	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	3,6-4,5	1,2-4,5
ACR-N (dB)	9.9	8.3	33.0	33.7
Freq. (MHz)	3.9	3.6	500.0	500.0
Limit (dB)	59.2	59.8	-23.2	-23.2
Worst Pair	1,2	4,5	4,5	4,5
PS ACR-N (dB)	10.1	8.8	34.3	33.9
Freq. (MHz)	5.6	3.6	500.0	500.0
Limit (dB)	53.2	57.3	-26.1	-26.1

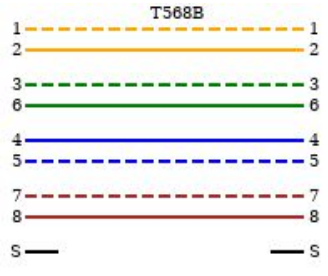
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.1	5.5	8.0	5.5
Freq. (MHz)	14.1	481.0	344.0	481.0
Limit (dB)	18.3	6.0	6.6	6.0

Compliant Network Standards:

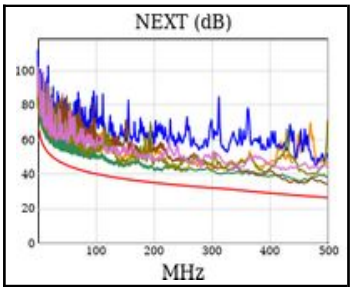
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

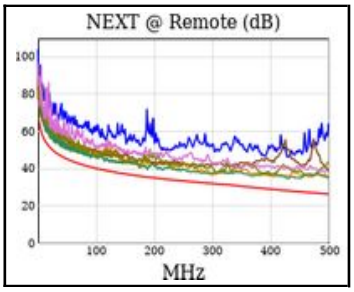


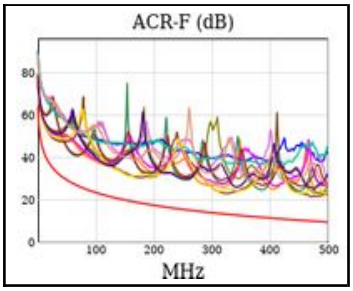
PASS

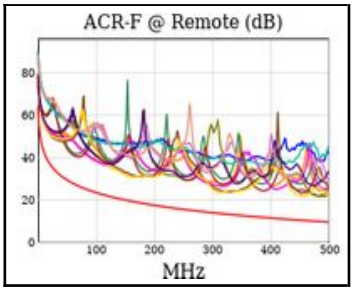


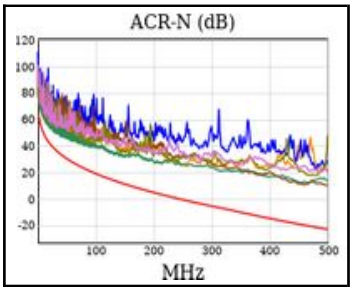


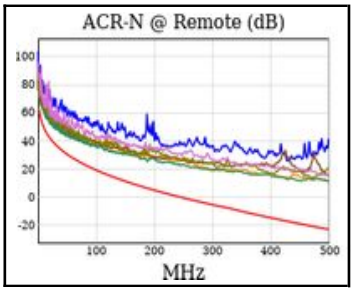


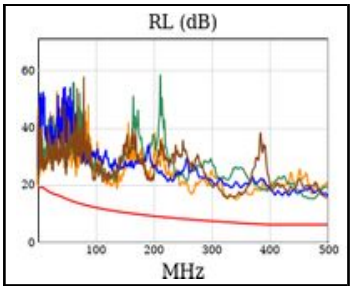


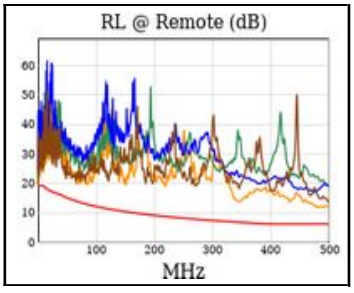












FLUKE networks

LinkWare Live

Cable ID: 116-A

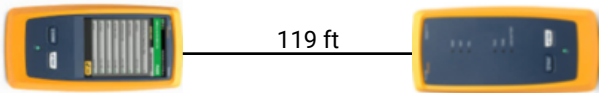
Test Summary: PASS

Date / Time: 11/23/2022 12:46:41 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

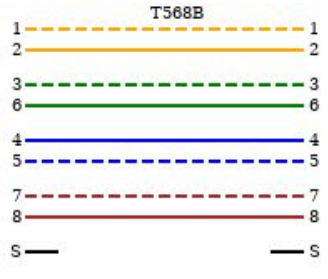
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	119
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.9
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

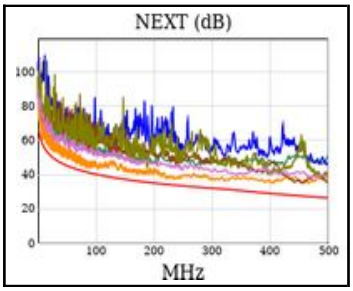


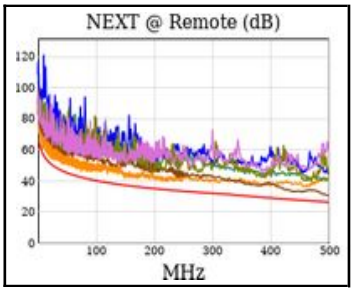
PASS



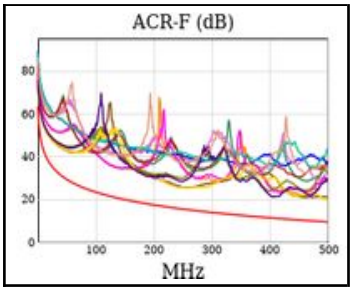


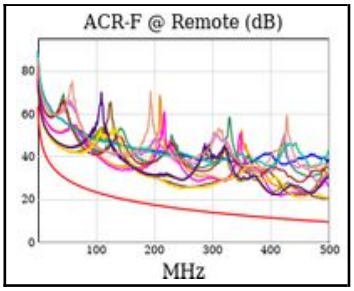
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.6	3.0	7.2	4.0
Freq. (MHz)	84.0	9.0	468.0	498.0
Limit (dB)	41.2	57.3	26.9	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.1	5.0	7.8	6.3
Freq. (MHz)	84.0	9.1	458.0	498.0
Limit (dB)	38.4	54.7	24.2	23.3



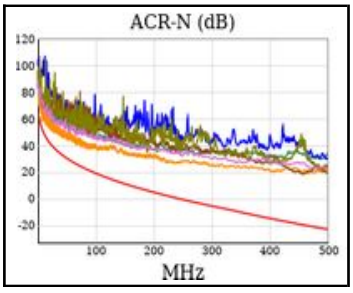


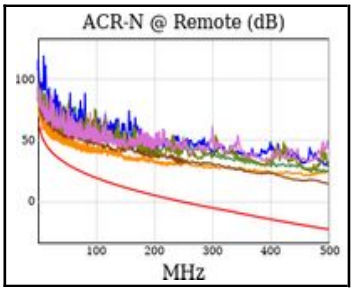
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.4	10.6	10.7
Freq. (MHz)	242.5	245.5	500.0	491.0
Limit (dB)	15.6	15.5	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.7	10.4	10.7
Freq. (MHz)	468.0	465.0	471.0	465.0
Limit (dB)	6.9	6.9	6.8	6.9



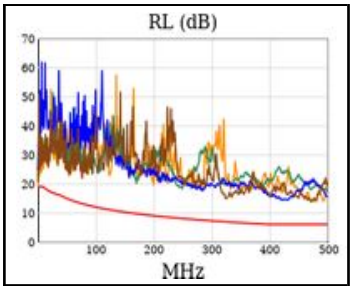


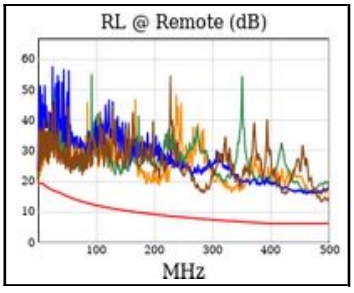
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.0	7.2	37.8	36.9
Freq. (MHz)	8.9	9.0	457.0	498.0
Limit (dB)	51.3	51.2	-19.8	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.2	41.2	38.5
Freq. (MHz)	9.1	9.1	500.0	498.0
Limit (dB)	48.5	48.5	-26.1	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	7.5	7.0	7.5	7.0
Freq. (MHz)	481.0	490.0	481.0	490.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-B

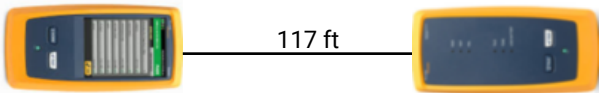
Test Summary: PASS

Date / Time: 11/23/2022 12:47:26 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

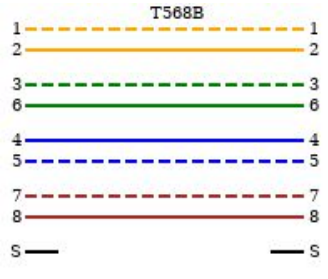
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

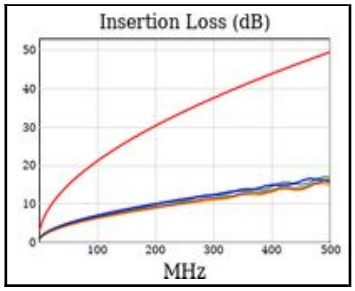
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

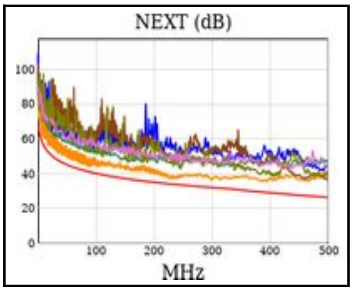
Length (ft), Limit 328	[Pair 1,2]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	186
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

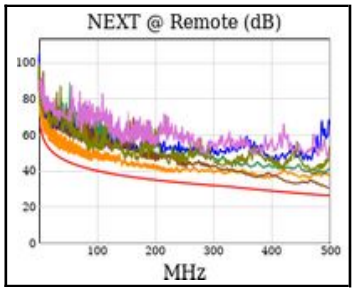


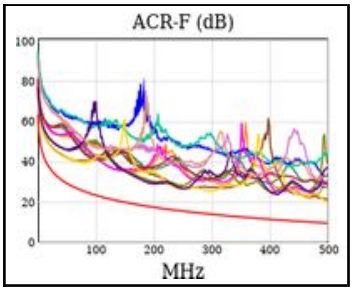
PASS

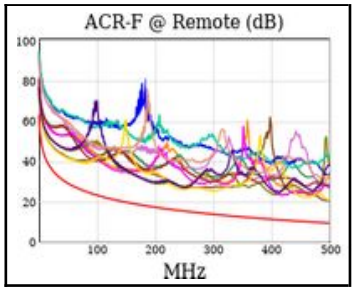


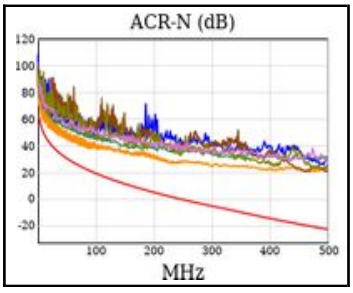


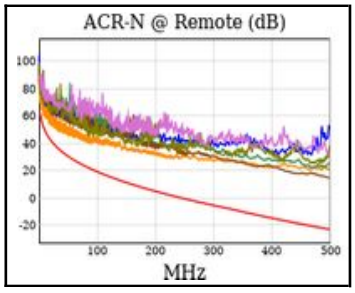


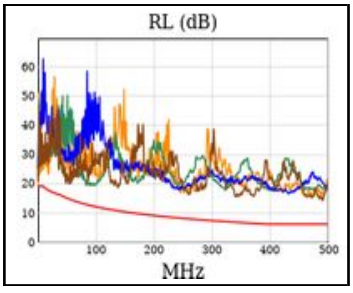


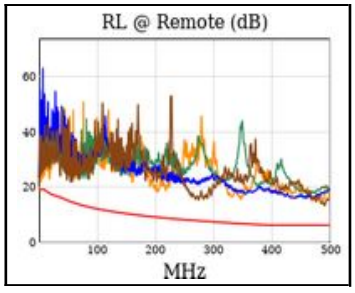












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.9	4.2	6.0	4.2
Freq. (MHz)	227.0	500.0	396.0	500.0
Limit (dB)	33.8	26.1	28.9	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.1	6.0	8.5	6.0
Freq. (MHz)	88.5	498.0	469.0	498.0
Limit (dB)	38.0	23.3	24.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.6	10.6	11.0
Freq. (MHz)	499.0	243.5	499.0	499.0
Limit (dB)	9.3	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.5	11.5	12.5
Freq. (MHz)	253.0	253.0	469.0	470.0
Limit (dB)	12.2	12.2	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.3	7.8	40.2	37.4
Freq. (MHz)	9.1	3.1	469.0	500.0
Limit (dB)	51.0	61.1	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.3	42.3	38.3
Freq. (MHz)	9.1	3.1	500.0	498.0
Limit (dB)	48.5	58.3	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.9	6.8	7.7	6.8
Freq. (MHz)	49.3	492.0	492.0	492.0
Limit (dB)	15.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-A

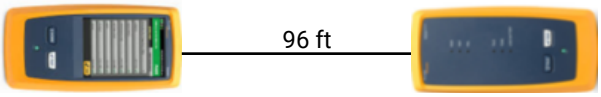
Test Summary: PASS

Date / Time: 11/22/2022 12:39:37 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

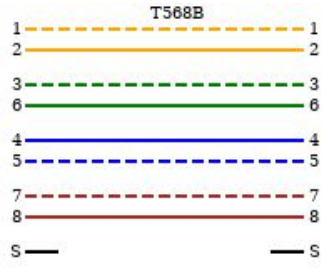
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

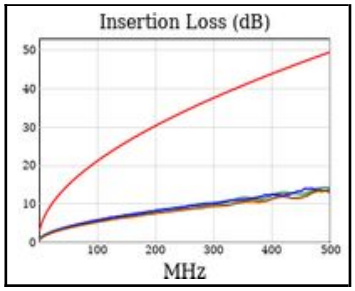
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

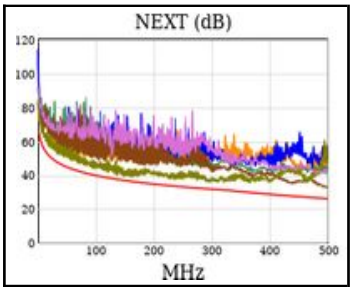
Length (ft), Limit 328	[Pair 1,2]	96
Prop. Delay (ns), Limit 555	[Pair 3,6]	149
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.3
Insertion Loss Margin (dB)	[Pair 3,6]	34.8
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

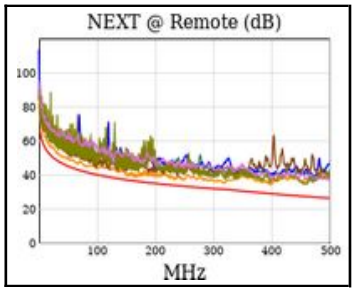


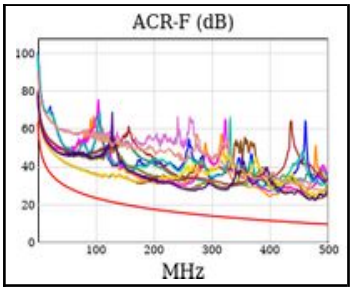
PASS

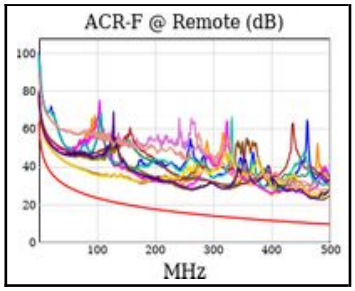


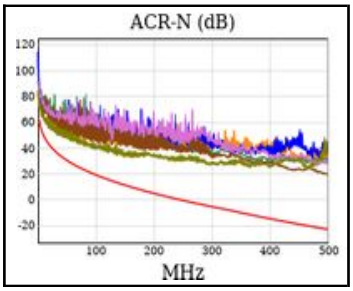


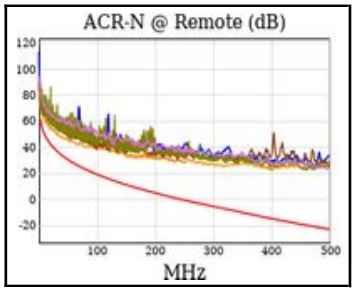


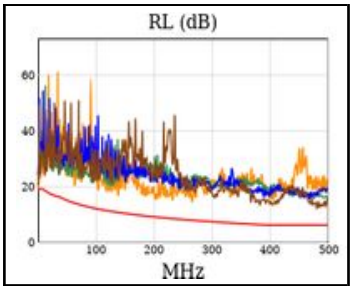


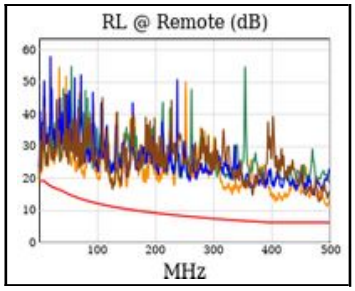












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.2	2.1	6.6	4.8
Freq. (MHz)	148.5	168.5	500.0	399.0
Limit (dB)	37.0	36.1	26.1	28.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.3	2.5	8.5	5.8
Freq. (MHz)	137.0	99.0	497.0	399.0
Limit (dB)	34.7	37.2	23.3	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	11.9	11.7	12.4	12.6
Freq. (MHz)	103.0	103.0	480.0	488.0
Limit (dB)	23.0	23.0	9.6	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.5	13.4	12.8
Freq. (MHz)	11.8	1.1	480.0	476.0
Limit (dB)	38.9	59.2	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.4	8.7	42.4	36.5
Freq. (MHz)	3.5	3.0	500.0	399.0
Limit (dB)	60.1	61.4	-23.2	-14.8
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	8.4	7.8	44.4	43.1
Freq. (MHz)	3.5	3.5	500.0	474.0
Limit (dB)	57.6	57.6	-26.1	-24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.6	4.9	5.6	4.9
Freq. (MHz)	482.0	497.0	482.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 116-B

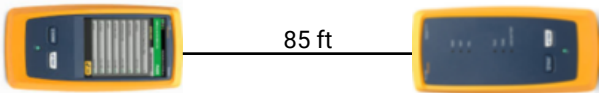
Test Summary: PASS

Date / Time: 11/22/2022 12:40:08 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

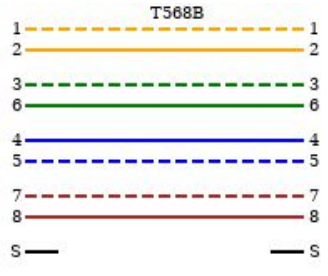
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 3,6]	130
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 7,8]	4.5
Insertion Loss Margin (dB)	[Pair 3,6]	36.1
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

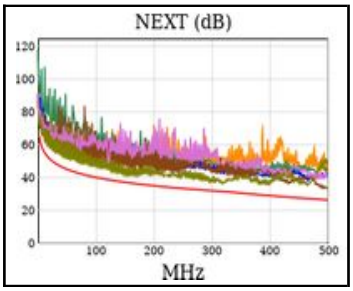


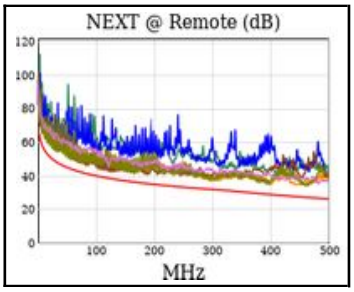
PASS



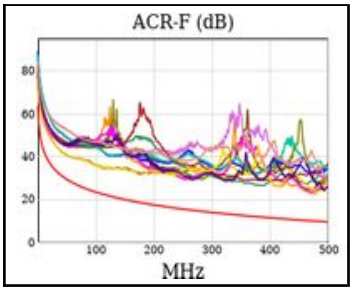


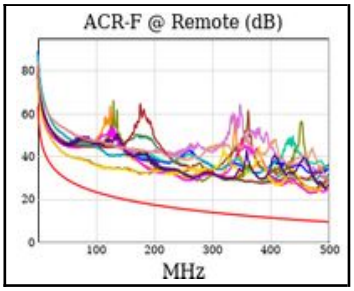
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.8	3.4	6.5	6.4
Freq. (MHz)	154.5	123.0	493.0	461.0
Limit (dB)	36.7	38.4	26.3	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.7	4.0	8.7	6.8
Freq. (MHz)	150.0	296.0	493.0	452.0
Limit (dB)	34.0	28.9	23.4	24.4



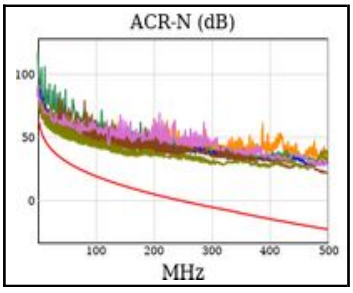


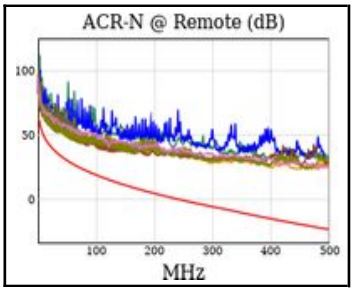
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	11.0	11.1	12.6	13.0
Freq. (MHz)	46.3	46.3	476.0	476.0
Limit (dB)	30.0	30.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.5	12.6	13.2
Freq. (MHz)	39.8	46.3	481.0	479.0
Limit (dB)	28.3	27.0	6.6	6.7



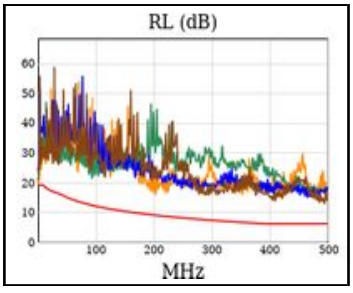


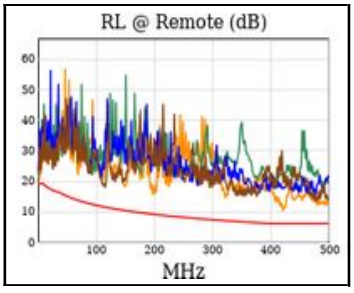
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.1	9.7	43.8	43.1
Freq. (MHz)	3.8	3.8	493.0	461.0
Limit (dB)	59.5	59.5	-22.7	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.8	45.2	42.7
Freq. (MHz)	3.8	3.9	493.0	453.0
Limit (dB)	57.0	56.7	-25.5	-22.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.5	4.1	6.5	4.1
Freq. (MHz)	495.0	422.0	495.0	422.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-A

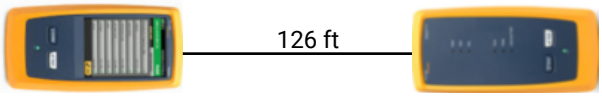
Test Summary: PASS

Date / Time: 11/26/2022 06:20:54 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

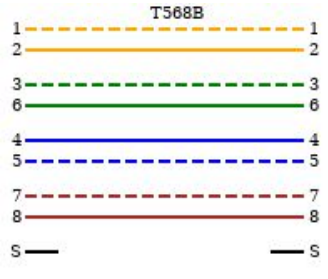
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	201
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	13.7
Insertion Loss Margin (dB)	[Pair 3,6]	31.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

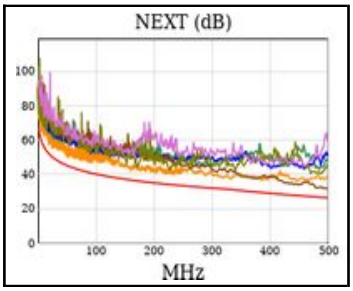


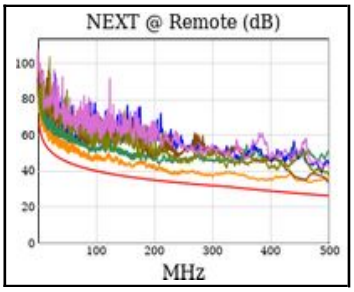
PASS



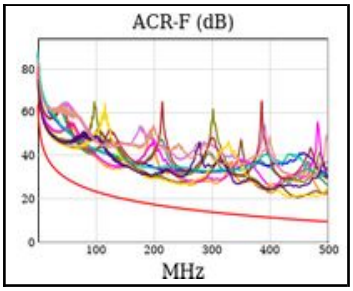


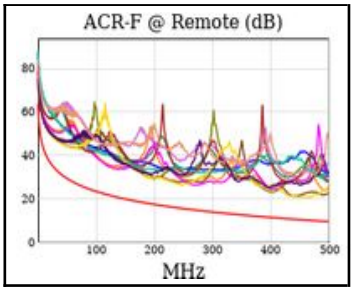
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.5	4.1	4.9	6.5
Freq. (MHz)	5.8	235.0	498.0	468.0
Limit (dB)	60.5	33.6	26.1	26.9
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.4	6.3	6.8	7.3
Freq. (MHz)	5.5	240.5	498.0	500.0
Limit (dB)	58.3	30.4	23.3	23.2



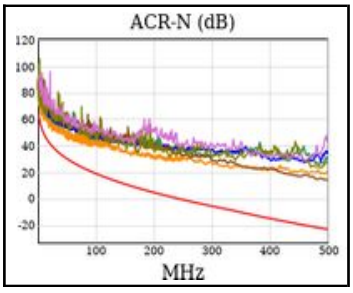


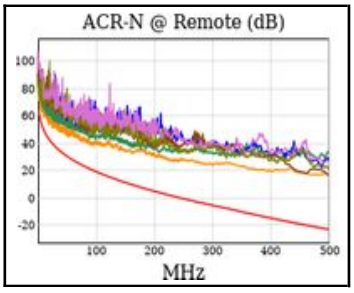
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	10.2	9.9	10.5
Freq. (MHz)	435.0	449.0	435.0	467.0
Limit (dB)	10.5	10.2	10.5	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	11.5	12.0
Freq. (MHz)	248.0	5.8	441.0	438.0
Limit (dB)	12.4	45.1	7.4	7.4



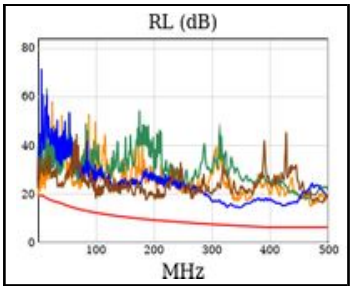


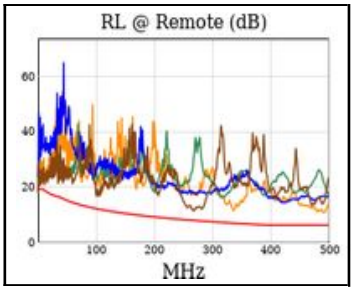
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.4	7.4	36.8	38.3
Freq. (MHz)	5.6	5.8	498.0	483.0
Limit (dB)	55.8	55.6	-23.1	-21.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.6	37.8	38.5
Freq. (MHz)	5.4	5.5	498.0	500.0
Limit (dB)	53.7	53.4	-25.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	5.8	3.3	7.4	4.5
Freq. (MHz)	101.0	269.0	348.0	493.0
Limit (dB)	12.0	7.7	6.6	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-B

Test Summary: PASS

Date / Time: 11/26/2022 06:21:21 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	200
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	13.6
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.5	4.5	4.8	6.4
Freq. (MHz)	5.8	235.5	500.0	467.0
Limit (dB)	60.5	33.6	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	6.4	6.6	7.5
Freq. (MHz)	500.0	204.5	500.0	459.0
Limit (dB)	23.2	31.7	23.2	24.2

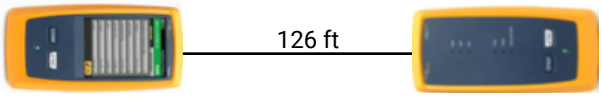
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.2	10.4	10.2
Freq. (MHz)	436.0	453.0	481.0	453.0
Limit (dB)	10.5	10.1	9.6	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.0	11.9	11.5
Freq. (MHz)	6.0	8.4	466.0	457.0
Limit (dB)	44.7	41.8	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.4	7.7	36.9	37.2
Freq. (MHz)	5.5	5.8	500.0	475.0
Limit (dB)	56.0	55.6	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	9.9	37.7	40.0
Freq. (MHz)	5.4	5.6	500.0	499.0
Limit (dB)	53.7	53.2	-26.1	-26.0

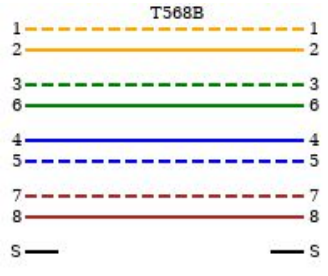
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.9	4.6	8.0	4.6
Freq. (MHz)	115.0	485.0	471.0	485.0
Limit (dB)	11.4	6.0	6.0	6.0

Compliant Network Standards:

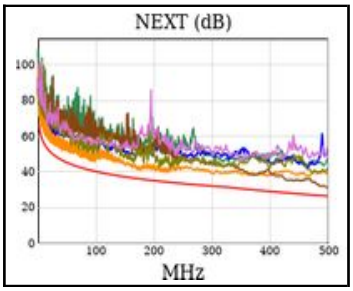
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

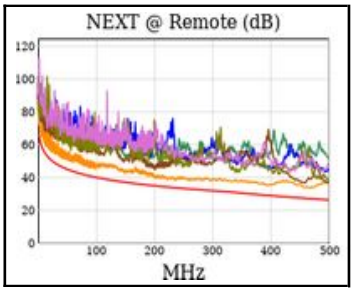


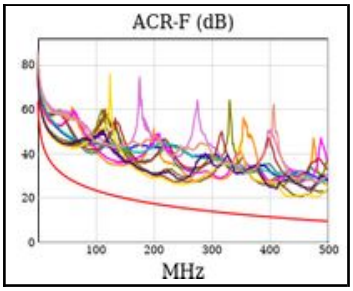
PASS

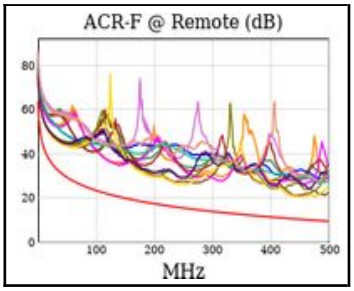


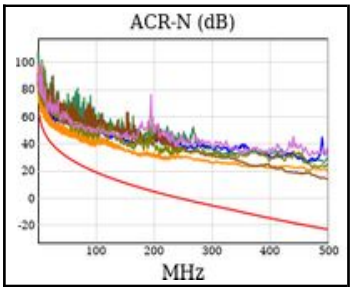


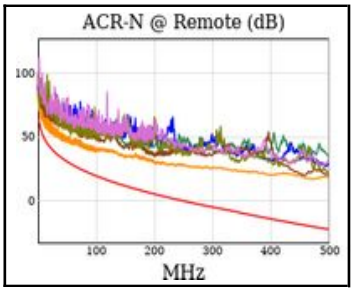


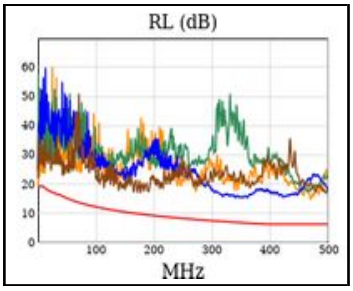


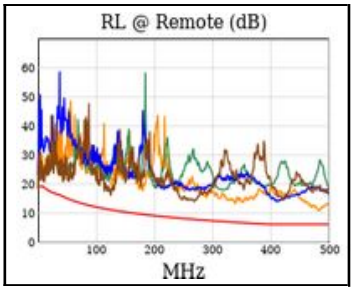












FLUKE networks

LinkWare Live

Cable ID: 117-A

Test Summary: PASS

Date / Time: 12/19/2022 02:03:30 PM
Headroom: 6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	274
Prop. Delay (ns), Limit 555	[Pair 4,5]	437
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	7.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-4,5	1,2-4,5	3,6-4,5
NEXT (dB)	6.0	6.5	7.2	6.5
Freq. (MHz)	396.0	498.0	477.0	498.0
Limit (dB)	28.9	26.1	26.7	26.1
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	6.1	7.6	8.6	7.6
Freq. (MHz)	234.5	498.0	469.0	498.0
Limit (dB)	30.6	23.3	24.0	23.3

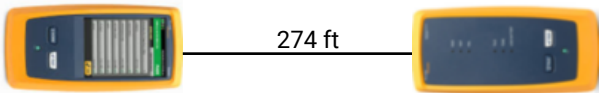
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	10.2	10.7	10.6
Freq. (MHz)	389.0	380.0	500.0	500.0
Limit (dB)	11.5	11.7	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.8	10.7	12.3	11.8
Freq. (MHz)	386.0	388.0	500.0	500.0
Limit (dB)	8.5	8.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.0	10.8	15.1	13.9
Freq. (MHz)	3.3	3.4	491.0	499.0
Limit (dB)	60.7	60.4	-22.5	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.1	11.4	17.1	15.1
Freq. (MHz)	3.4	3.4	500.0	499.0
Limit (dB)	57.9	57.9	-26.1	-26.0

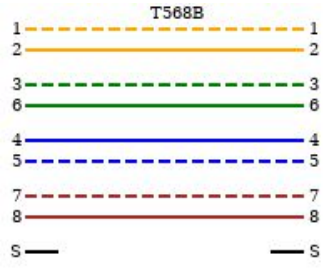
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	6.5	5.6	8.0	6.3
Freq. (MHz)	5.5	3.9	492.0	487.0
Limit (dB)	19.0	19.0	6.0	6.0

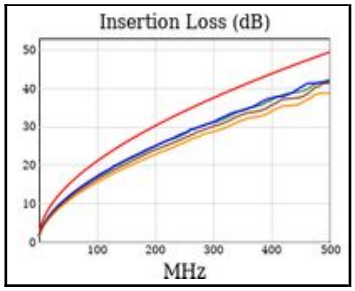
Compliant Network Standards:

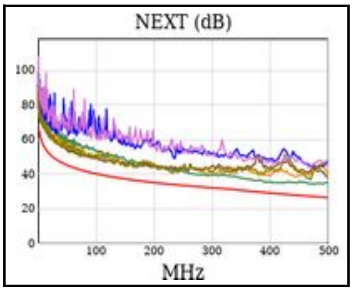
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

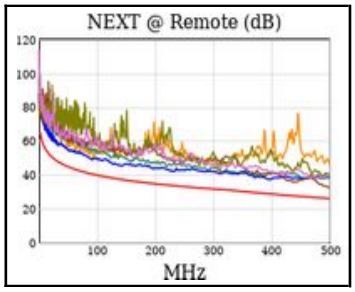


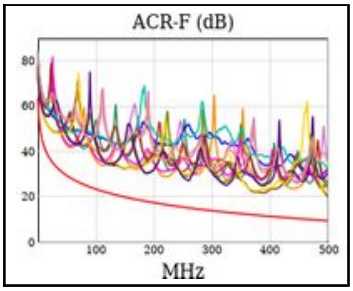
PASS

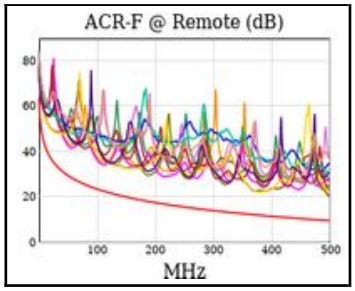


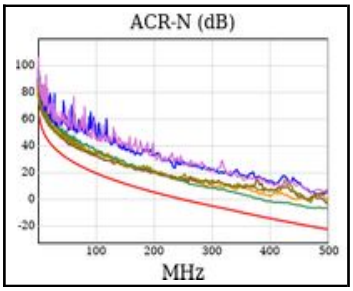


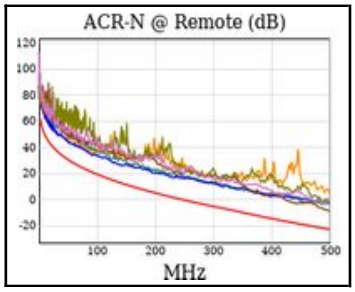


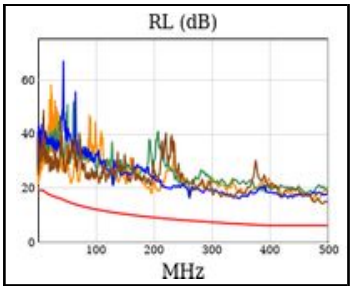


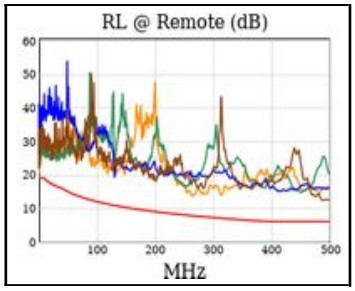












FLUKE networks

LinkWare Live

Cable ID: 117-B

Test Summary: PASS

Date / Time: 12/19/2022 02:03:48 PM
Headroom: 6.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	274
Prop. Delay (ns), Limit 555	[Pair 4,5]	435
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	7.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-4,5	3,6-4,5
NEXT (dB)	6.2	8.1	10.1	8.5
Freq. (MHz)	170.5	3.5	476.0	495.0
Limit (dB)	36.0	64.0	26.7	26.2
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.6	7.9	10.9	8.2
Freq. (MHz)	234.0	3.5	477.0	494.0
Limit (dB)	30.7	61.5	23.8	23.4

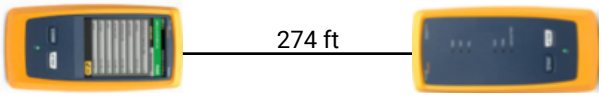
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	7,8-1,2	1,2-3,6	1,2-3,6
ACR-F (dB)	7.1	7.2	10.1	10.1
Freq. (MHz)	4.9	4.6	475.0	475.0
Limit (dB)	49.5	50.0	9.7	9.7
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-F (dB)	8.6	8.6	9.5	9.1
Freq. (MHz)	1.0	1.0	479.0	474.0
Limit (dB)	60.3	60.3	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-4,5	3,6-4,5
ACR-N (dB)	8.2	9.4	17.6	16.8
Freq. (MHz)	3.4	3.5	476.0	495.0
Limit (dB)	60.4	60.1	-21.3	-22.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.3	8.9	19.4	15.9
Freq. (MHz)	3.5	3.5	469.0	494.0
Limit (dB)	57.6	57.6	-23.6	-25.6

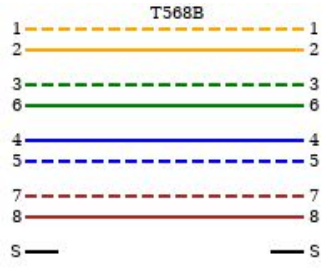
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	5.9	6.2	7.2	7.4
Freq. (MHz)	58.3	12.1	495.0	488.0
Limit (dB)	14.3	18.6	6.0	6.0

Compliant Network Standards:

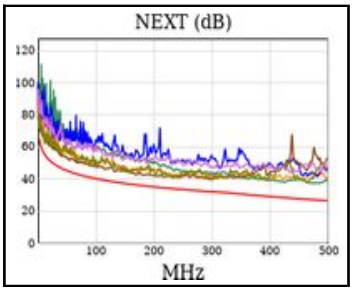
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

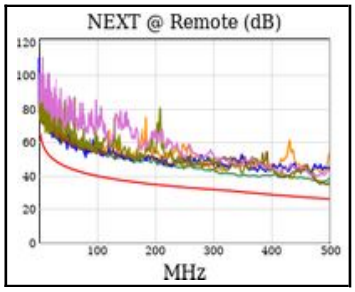


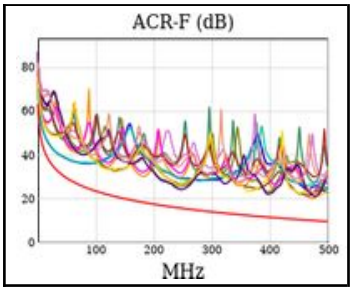
PASS

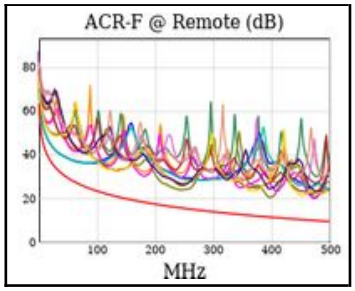


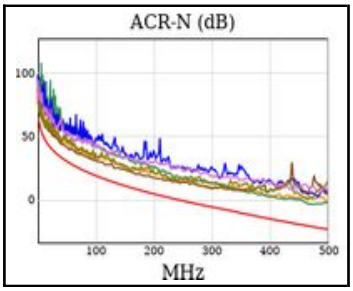


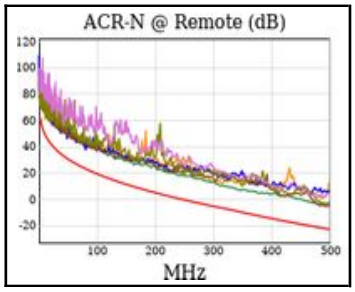


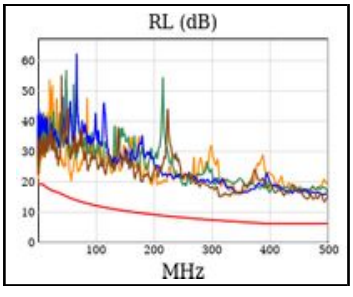


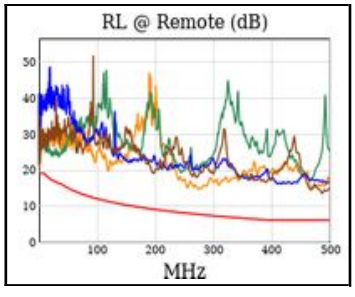












FLUKE networks

LinkWare Live

Cable ID: 118-A

Test Summary: PASS

Date / Time: 12/19/2022 02:05:50 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	241
Prop. Delay (ns), Limit 555	[Pair 4,5]	374
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	17.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	7.1	8.3	7.1
Freq. (MHz)	226.0	499.0	496.0	499.0
Limit (dB)	33.9	26.1	26.2	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	4.4	8.1	9.7	8.1
Freq. (MHz)	226.0	497.0	496.0	497.0
Limit (dB)	30.9	23.3	23.3	23.3

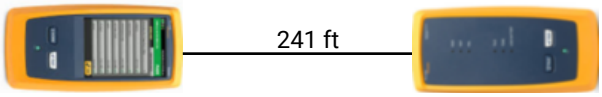
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.0	9.5	9.1
Freq. (MHz)	382.0	389.0	388.0	391.0
Limit (dB)	11.6	11.5	11.5	11.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	9.5	9.8	12.4	11.6
Freq. (MHz)	3.1	3.1	474.0	442.0
Limit (dB)	50.4	50.4	6.7	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	9.4	25.4	24.8
Freq. (MHz)	2.6	2.6	496.0	499.0
Limit (dB)	61.6	61.6	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	10.0	26.9	25.2
Freq. (MHz)	5.3	4.1	496.0	497.0
Limit (dB)	53.9	56.1	-25.8	-25.8

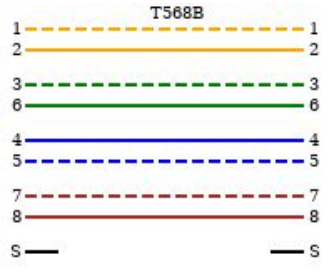
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	7,8
RL (dB)	6.2	3.9	7.4	5.9
Freq. (MHz)	7.6	7.6	472.0	499.0
Limit (dB)	19.0	19.0	6.0	6.0

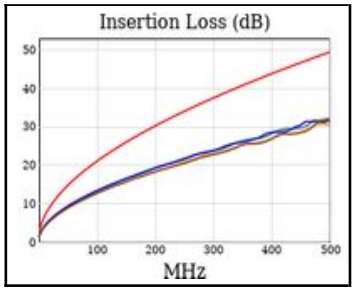
Compliant Network Standards:

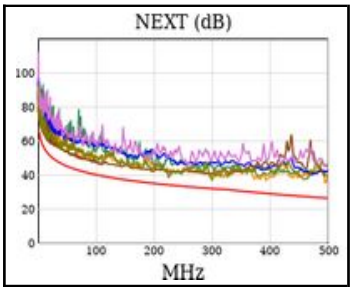
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

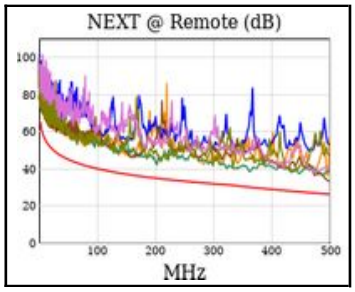


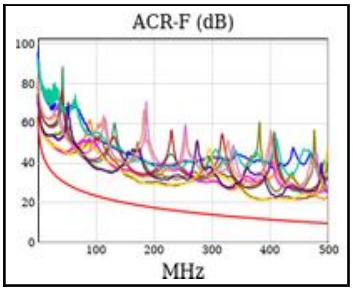
PASS

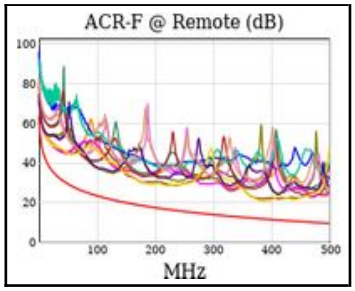


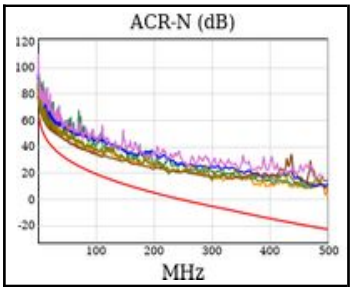


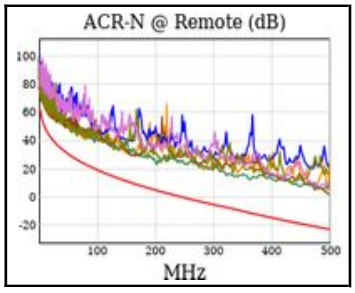


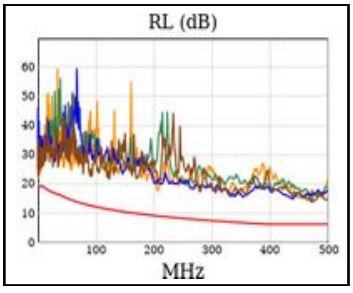


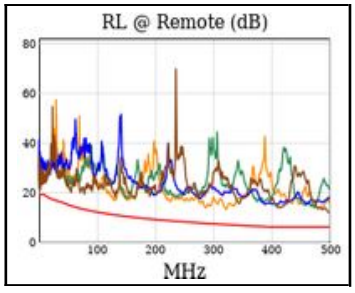












FLUKE networks

LinkWare Live

Cable ID: 117-A

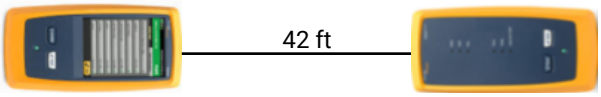
Test Summary: PASS

Date / Time: 11/25/2022 06:42:08 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

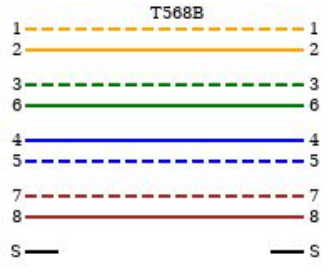
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

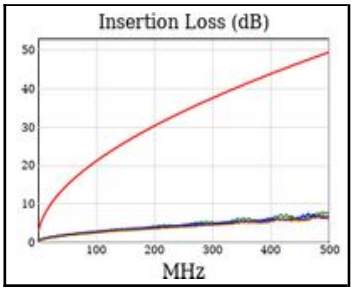
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

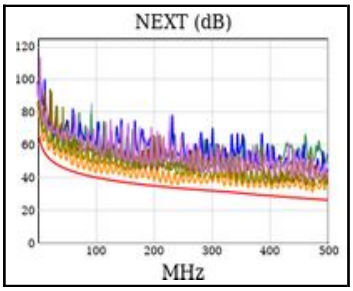
Length (ft), Limit 328	[Pair 1,2]	42
Prop. Delay (ns), Limit 555	[Pair 3,6]	66
Delay Skew (ns), Limit 50	[Pair 3,6]	3
Resistance (ohms)	[Pair 3,6]	3.4
Insertion Loss Margin (dB)	[Pair 3,6]	41.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

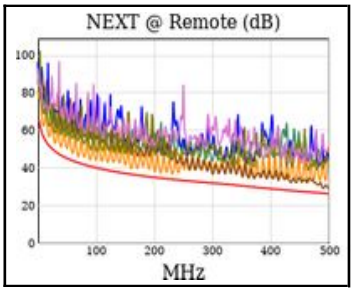


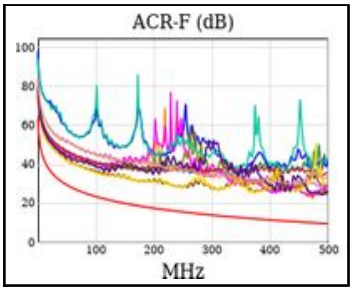
PASS

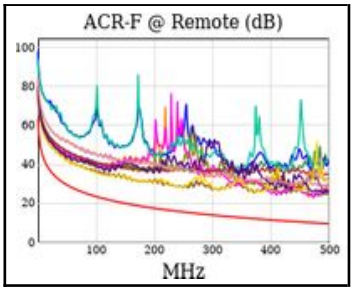


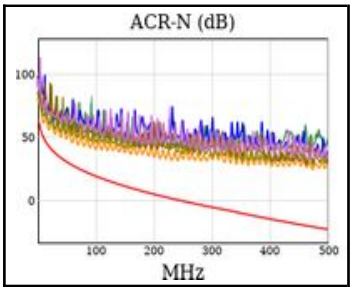


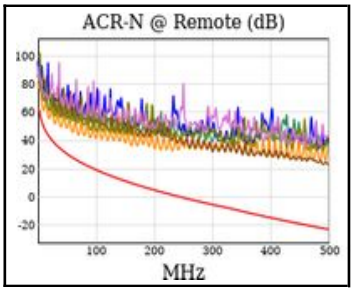


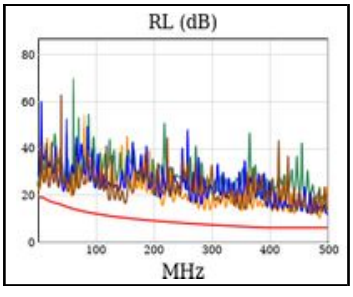


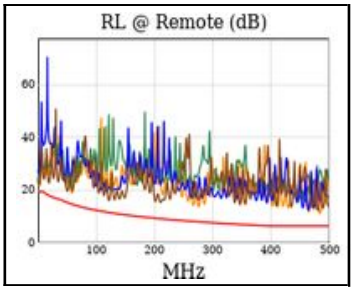












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	1.9	2.6	4.3	2.8
Freq. (MHz)	232.0	491.0	474.0	500.0
Limit (dB)	33.7	26.3	26.7	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.2	4.3	5.2	4.9
Freq. (MHz)	343.0	373.0	475.0	493.0
Limit (dB)	27.6	26.6	23.8	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	11.8	11.8	12.5	12.9
Freq. (MHz)	58.3	58.3	474.0	475.0
Limit (dB)	28.0	28.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.8	13.6	13.3
Freq. (MHz)	58.3	49.5	474.0	474.0
Limit (dB)	25.0	26.4	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.2	11.2	45.3	45.6
Freq. (MHz)	9.6	9.4	474.0	500.0
Limit (dB)	50.5	50.8	-21.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	12.9	46.2	46.1
Freq. (MHz)	9.6	9.4	475.0	492.0
Limit (dB)	47.9	48.2	-24.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.1	4.7	4.1	4.7
Freq. (MHz)	486.0	486.0	486.0	486.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-B

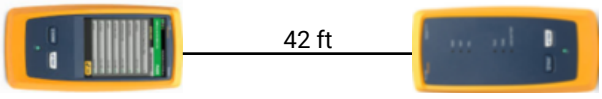
Test Summary: PASS

Date / Time: 11/25/2022 06:43:49 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

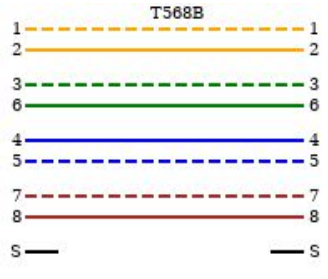
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	42
Prop. Delay (ns), Limit 555	[Pair 4,5]	66
Delay Skew (ns), Limit 50	[Pair 4,5]	3
Resistance (ohms)	[Pair 3,6]	2.8
Insertion Loss Margin (dB)	[Pair 3,6]	41.1
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9



PASS

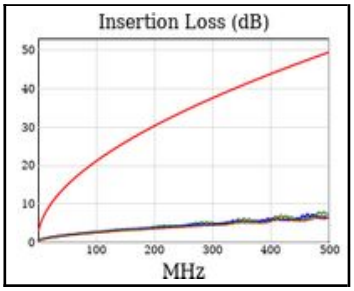


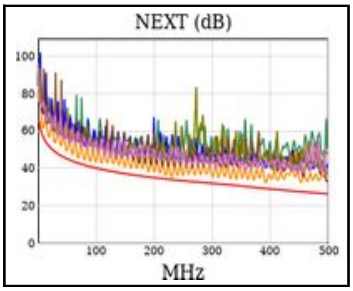
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.4	2.2	3.1	5.0
Freq. (MHz)	231.5	231.5	394.0	494.0
Limit (dB)	33.7	33.7	28.9	26.2
Worst Pair	1,2	3,6	4,5	4,5
PS NEXT (dB)	3.9	3.8	7.8	5.8
Freq. (MHz)	231.0	111.0	499.0	493.0
Limit (dB)	30.8	36.3	23.3	23.4

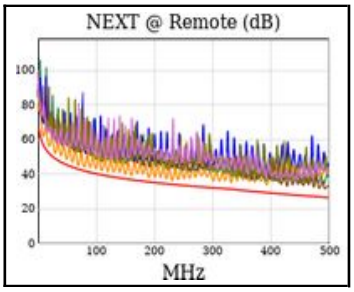
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-7,8
ACR-F (dB)	10.5	10.5	11.1	12.2
Freq. (MHz)	123.0	123.0	493.0	493.0
Limit (dB)	21.5	21.5	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.7	11.9	13.4
Freq. (MHz)	124.5	49.0	484.0	481.0
Limit (dB)	18.4	26.5	6.6	6.6

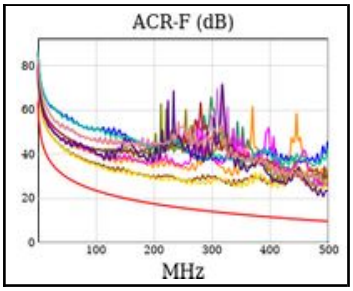
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	10.5	47.6	47.1
Freq. (MHz)	9.6	9.6	485.0	484.0
Limit (dB)	50.5	50.5	-22.0	-22.0
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.7	12.1	49.9	48.1
Freq. (MHz)	9.4	9.6	498.0	493.0
Limit (dB)	48.2	47.9	-25.9	-25.5

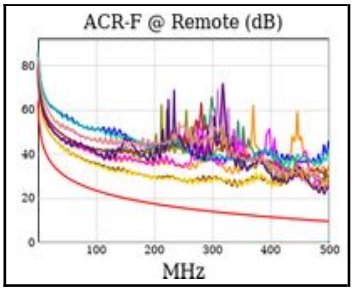
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.8	3.8	4.8	5.2
Freq. (MHz)	490.0	265.0	490.0	471.0
Limit (dB)	6.0	7.8	6.0	6.0

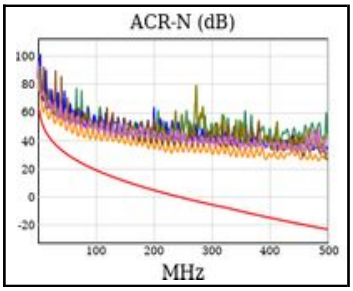


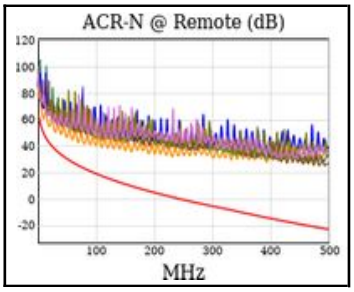


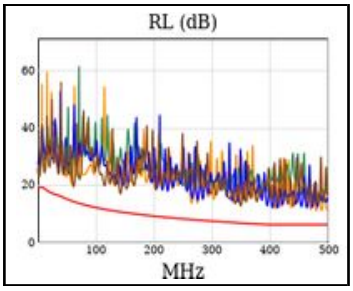


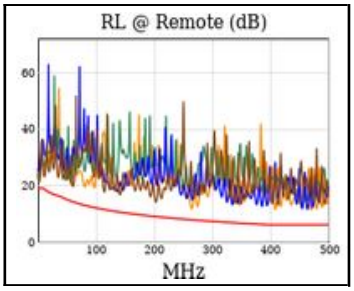












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-A

Test Summary: PASS

Date / Time: 11/26/2022 03:17:31 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 3,6]	250
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.0	5.4	3.0	5.4
Freq. (MHz)	468.0	495.0	468.0	495.0
Limit (dB)	26.9	26.2	26.9	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.1	5.7	5.4	5.7
Freq. (MHz)	468.0	497.0	500.0	497.0
Limit (dB)	24.0	23.3	23.2	23.3

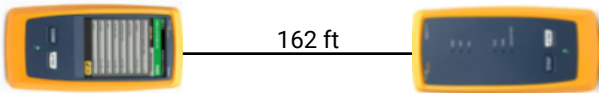
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.7	11.0	11.2
Freq. (MHz)	251.0	247.0	465.0	499.0
Limit (dB)	15.3	15.4	9.9	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.5	11.7	12.0	12.3
Freq. (MHz)	251.0	247.0	470.0	464.0
Limit (dB)	12.3	12.4	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	12.7	13.3	30.5	32.4
Freq. (MHz)	4.0	4.1	500.0	495.0
Limit (dB)	58.9	58.6	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	11.2	32.0	32.1
Freq. (MHz)	4.0	4.1	500.0	497.0
Limit (dB)	56.4	56.1	-26.1	-25.8

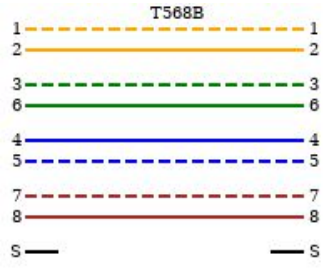
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.1	7.5	5.4	7.8
Freq. (MHz)	264.0	20.0	473.0	475.0
Limit (dB)	7.8	17.5	6.0	6.0

Compliant Network Standards:

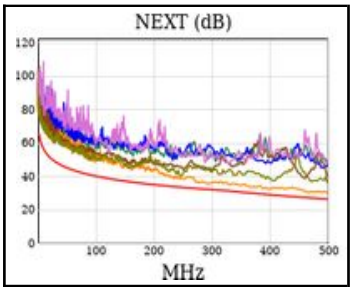
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

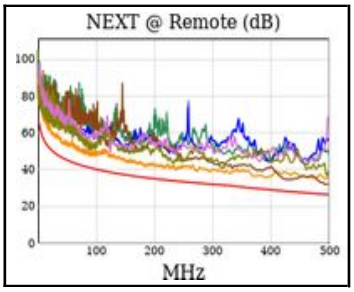


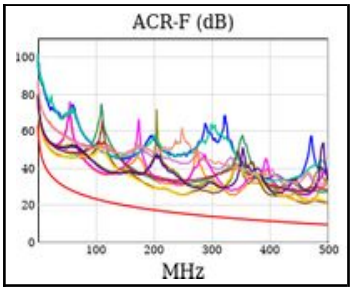
PASS

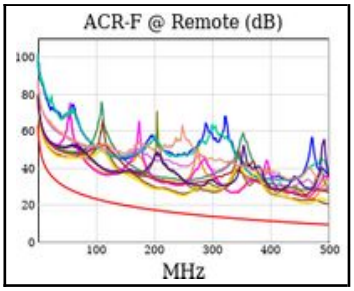


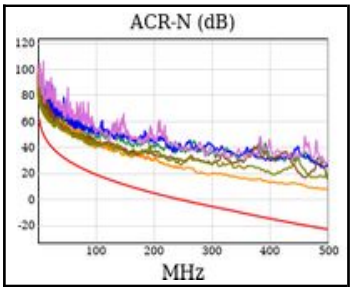


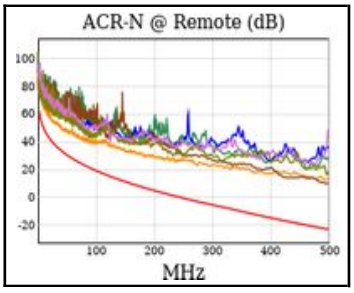


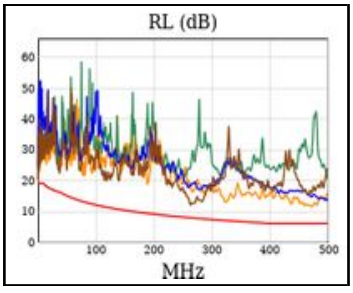


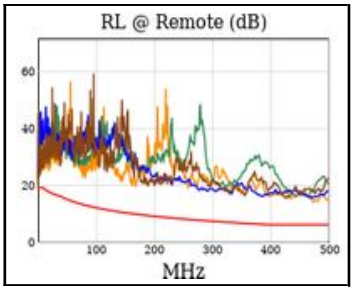












FLUKE networks

LinkWare Live

Cable ID: 117-B

Test Summary: PASS

Date / Time: 11/26/2022 03:17:59 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 3,6]	249
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	26.7
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.0	3.7	7.0	4.6
Freq. (MHz)	236.0	89.3	475.0	500.0
Limit (dB)	33.5	40.8	26.7	26.1
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	4.6	5.8	8.4	6.8
Freq. (MHz)	93.8	26.0	464.0	500.0
Limit (dB)	37.6	47.1	24.1	23.2

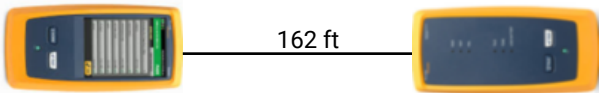
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	10.2	10.3	10.3
Freq. (MHz)	392.0	440.0	451.0	446.0
Limit (dB)	11.4	10.4	10.2	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.6	11.7	12.0
Freq. (MHz)	440.0	436.0	471.0	464.0
Limit (dB)	7.4	7.5	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	7.4	33.9	31.9
Freq. (MHz)	4.3	4.1	479.0	500.0
Limit (dB)	58.3	58.6	-21.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.1	36.6	33.9
Freq. (MHz)	4.1	4.1	499.0	500.0
Limit (dB)	56.1	56.1	-26.0	-26.1

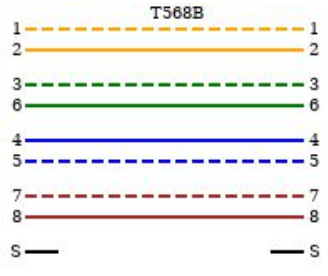
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.8	8.1	4.8	8.8
Freq. (MHz)	268.0	16.0	268.0	406.0
Limit (dB)	7.7	18.0	7.7	6.0

Compliant Network Standards:

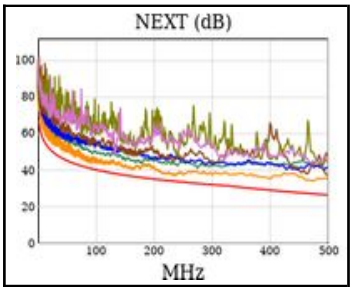
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

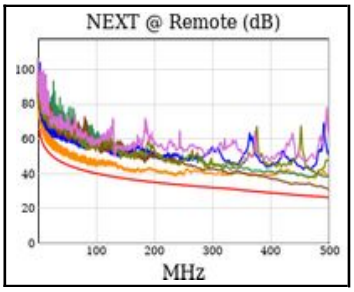


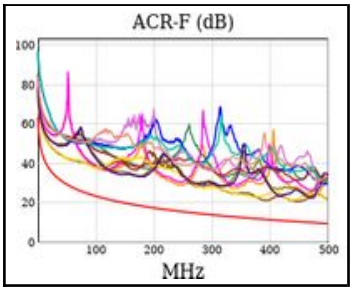
PASS

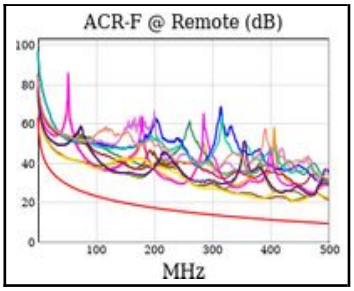


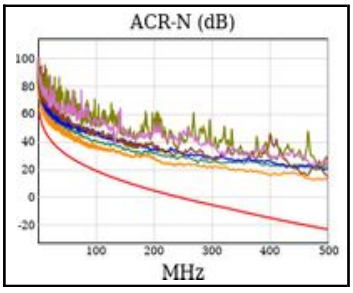


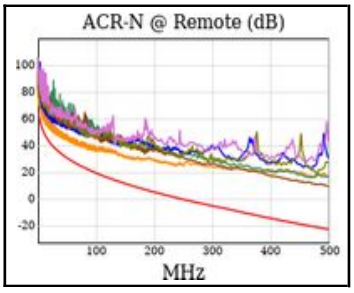


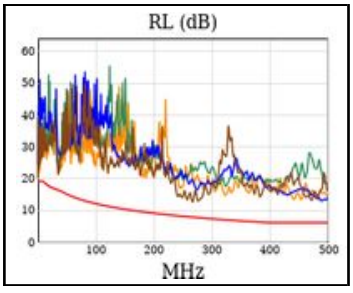


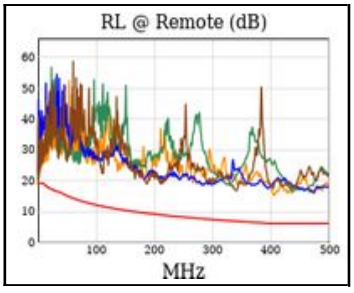












FLUKE networks

LinkWare Live

Cable ID: 118-A

Test Summary: PASS

Date / Time: 11/26/2022 03:19:06 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 3,6]	187
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	14.4
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	4.8	6.2	7.6
Freq. (MHz)	244.5	50.5	489.0	499.0
Limit (dB)	33.3	44.9	26.4	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.3	7.0	8.1	8.7
Freq. (MHz)	232.5	50.5	498.0	499.0
Limit (dB)	30.7	42.2	23.3	23.3

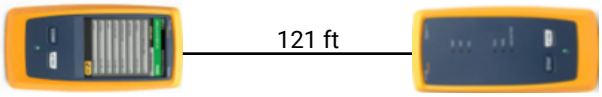
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.9	9.8	12.2	12.7
Freq. (MHz)	320.0	315.0	480.0	474.0
Limit (dB)	13.2	13.3	9.6	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.1	14.1	11.1
Freq. (MHz)	325.0	323.0	480.0	323.0
Limit (dB)	10.0	10.1	6.6	10.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	9.3	37.3	40.2
Freq. (MHz)	3.0	3.0	489.0	499.0
Limit (dB)	61.4	61.4	-22.3	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	10.4	39.8	40.5
Freq. (MHz)	2.9	3.1	498.0	499.0
Limit (dB)	58.4	58.3	-25.9	-26.0

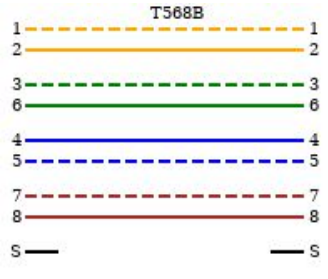
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	3.4	4.0	6.2	6.2
Freq. (MHz)	37.5	38.3	449.0	361.0
Limit (dB)	16.1	16.1	6.0	6.4

Compliant Network Standards:

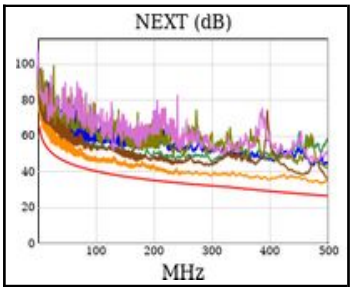
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

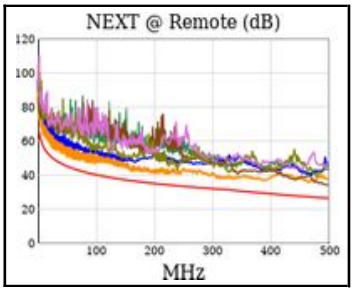


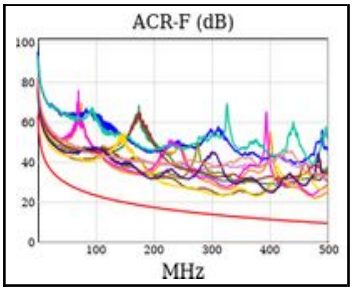
PASS

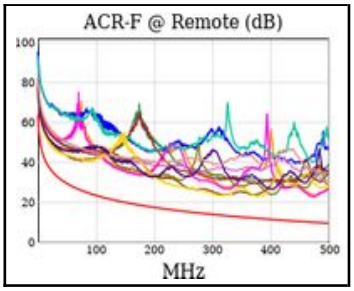


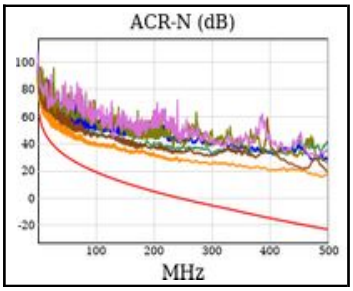


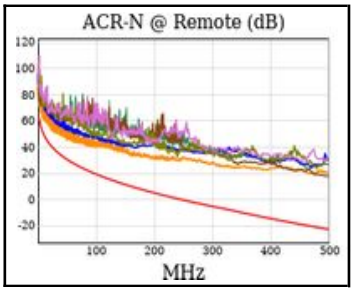


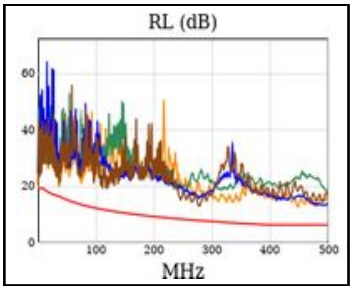


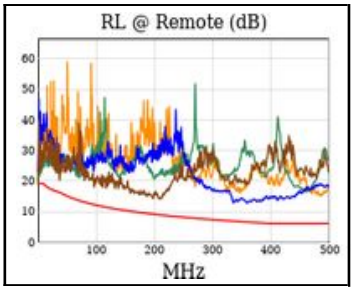












FLUKE networks

LinkWare Live

Cable ID: 117-4-A

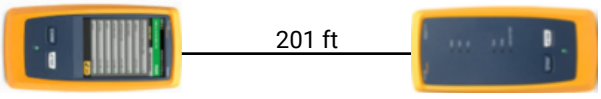
Test Summary: PASS

Date / Time: 12/03/2022 02:14:18 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

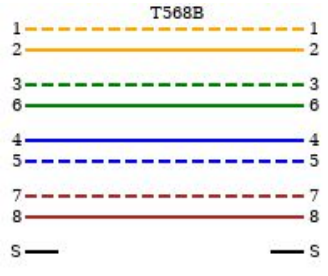
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

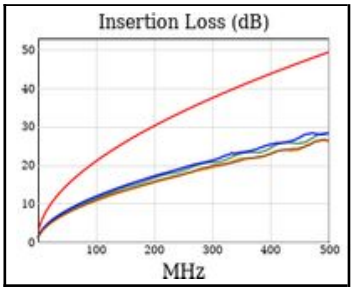
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

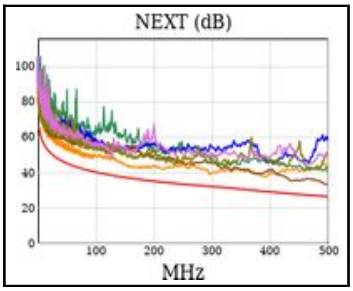
Length (ft), Limit 328	[Pair 1,2]	201
Prop. Delay (ns), Limit 555	[Pair 3,6]	311
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 4,5]	21.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

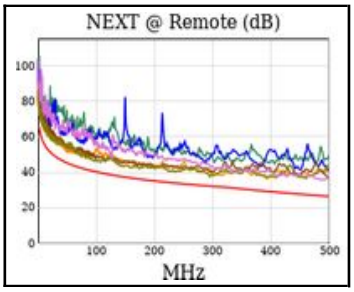


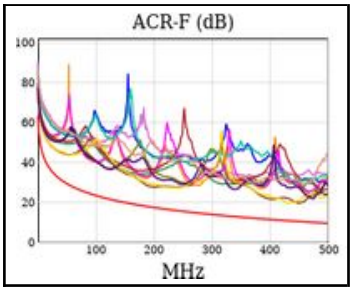
PASS

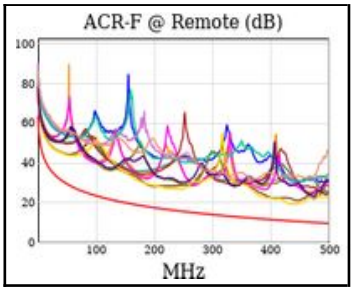


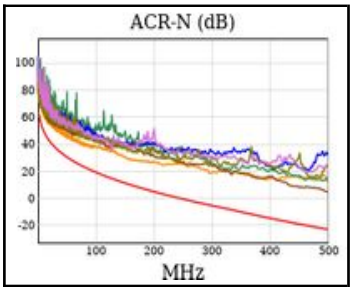


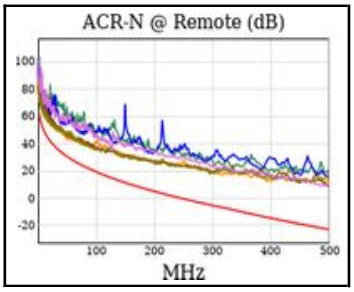


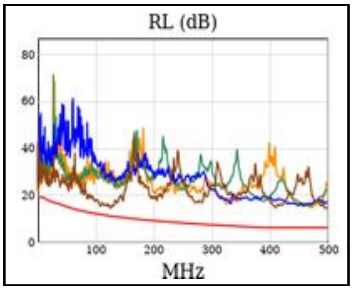


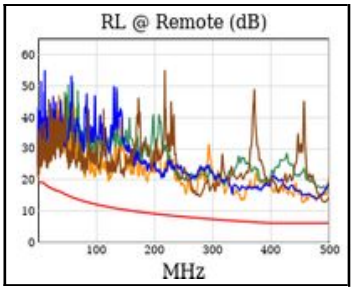












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	5.9	5.1	6.8	9.0
Freq. (MHz)	157.5	297.0	500.0	490.0
Limit (dB)	36.6	31.8	26.1	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.3	5.0	8.8	6.7
Freq. (MHz)	3.5	297.0	500.0	394.0
Limit (dB)	61.5	28.8	23.2	26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.9	8.5	8.9	8.5
Freq. (MHz)	434.0	441.0	434.0	441.0
Limit (dB)	10.5	10.4	10.5	10.4
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.8	11.1	11.5	11.2
Freq. (MHz)	434.0	441.0	474.0	447.0
Limit (dB)	7.5	7.4	6.7	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.3	9.2	27.8	31.5
Freq. (MHz)	5.0	3.3	500.0	499.0
Limit (dB)	56.9	60.7	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	7.8	30.0	31.0
Freq. (MHz)	3.5	3.3	500.0	499.0
Limit (dB)	57.6	58.2	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.3	5.8	8.2	6.5
Freq. (MHz)	126.5	17.4	500.0	455.0
Limit (dB)	11.0	17.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-4-B

Test Summary: PASS

Date / Time: 12/03/2022 02:14:59 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 3,6]	309
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 4,5]	22.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.1	5.3	5.1	6.6
Freq. (MHz)	498.0	299.0	498.0	462.0
Limit (dB)	26.1	31.8	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	5.3	6.8	6.5
Freq. (MHz)	498.0	300.0	498.0	462.0
Limit (dB)	23.3	28.8	23.3	24.1

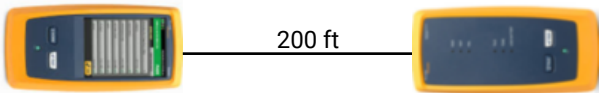
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	1,2-3,6
ACR-F (dB)	9.9	10.4	10.9	12.0
Freq. (MHz)	320.0	308.0	478.0	481.0
Limit (dB)	13.2	13.5	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.7	11.8	12.4
Freq. (MHz)	347.0	7.0	476.0	474.0
Limit (dB)	9.5	43.4	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.4	9.6	27.1	30.6
Freq. (MHz)	6.8	6.9	499.0	499.0
Limit (dB)	54.0	53.8	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	10.4	28.8	29.6
Freq. (MHz)	6.8	3.3	498.0	478.0
Limit (dB)	51.5	58.2	-25.9	-24.4

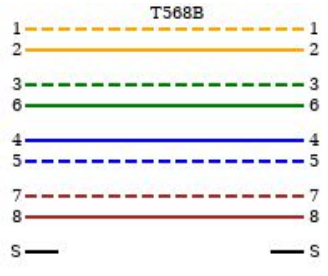
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.2	6.1	7.7	6.9
Freq. (MHz)	121.5	9.5	496.0	500.0
Limit (dB)	11.2	19.0	6.0	6.0

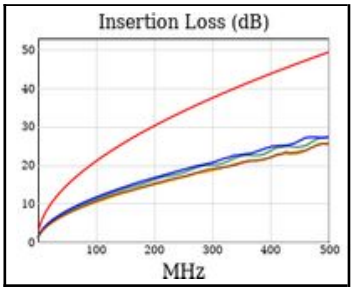
Compliant Network Standards:

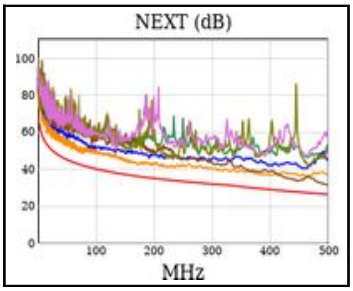
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

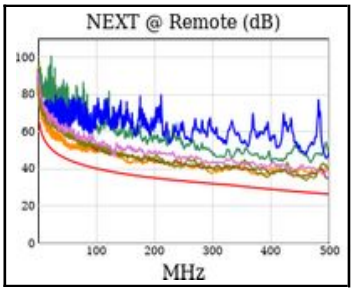


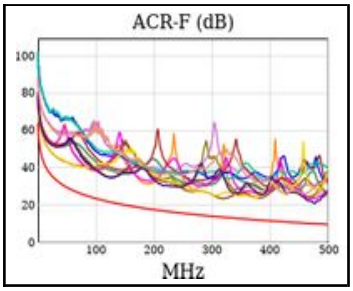
PASS

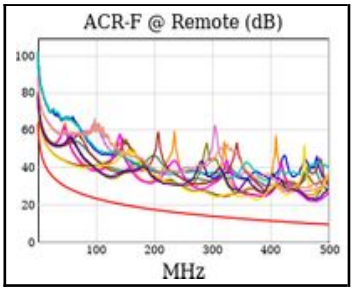


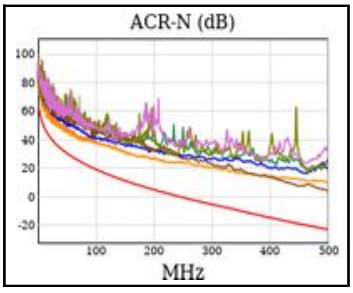


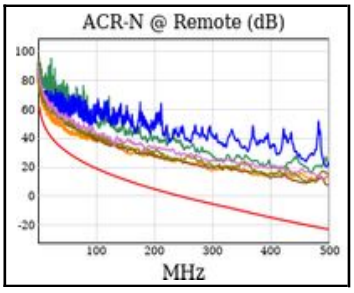


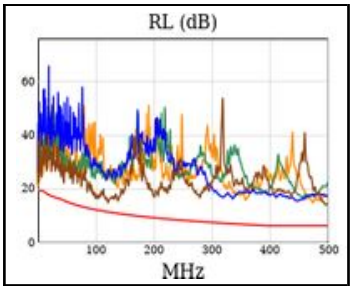


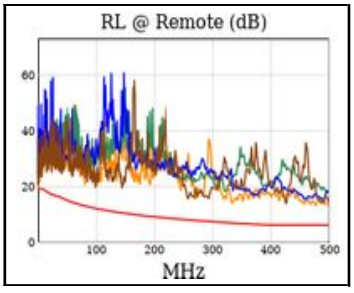












FLUKE networks

LinkWare Live

Cable ID: 117-A

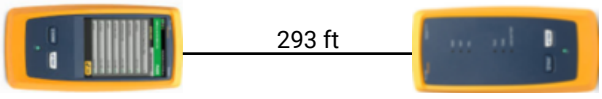
Test Summary: PASS

Date / Time: 12/11/2022 12:17:07 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

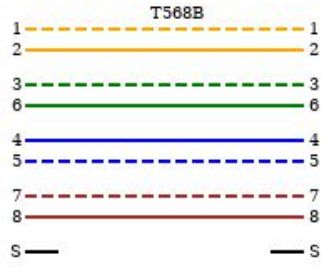
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

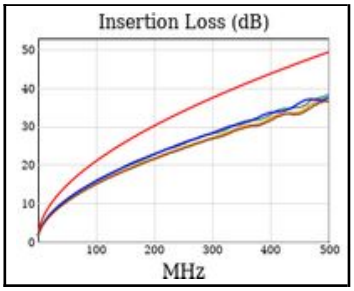
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

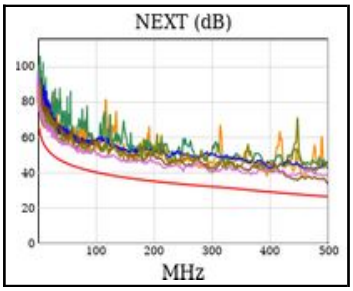
Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	455
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	16.0
Insertion Loss Margin (dB)	[Pair 3,6]	11.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

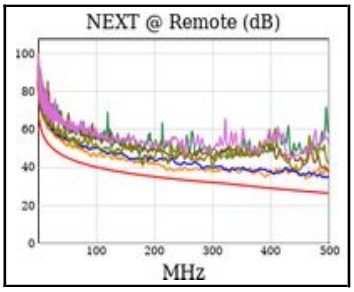


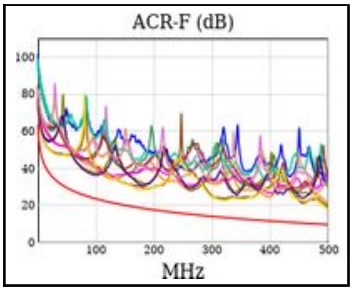
PASS

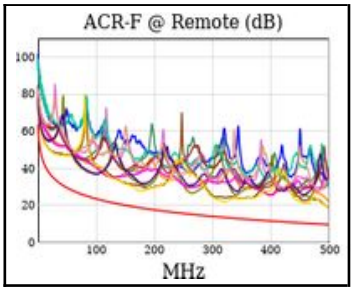


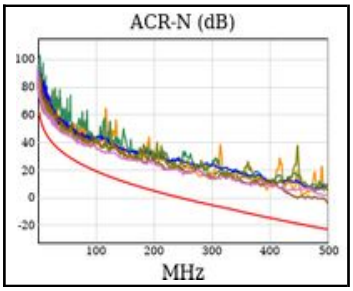


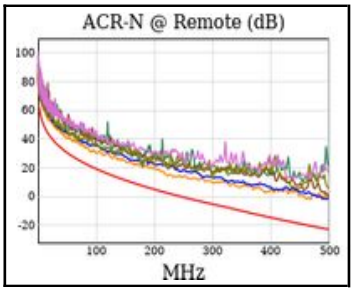


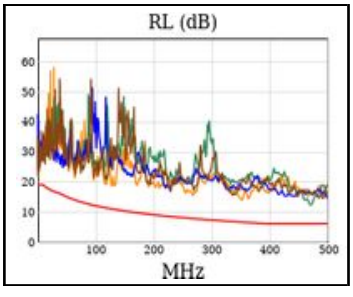


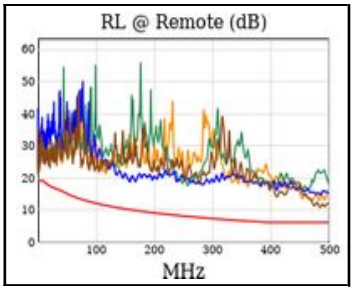












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.1	4.0	7.1	6.6
Freq. (MHz)	500.0	223.0	500.0	462.0
Limit (dB)	26.1	34.0	26.1	27.0
Worst Pair	7,8	3,6	4,5	1,2
PS NEXT (dB)	8.0	5.2	8.4	7.4
Freq. (MHz)	302.0	181.0	500.0	462.0
Limit (dB)	28.7	32.6	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	8.8	8.5	8.8	9.0
Freq. (MHz)	500.0	322.0	500.0	500.0
Limit (dB)	9.3	13.1	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	9.8	11.4	9.8	11.7
Freq. (MHz)	500.0	322.0	500.0	500.0
Limit (dB)	6.3	10.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.6	8.6	18.9	18.3
Freq. (MHz)	6.4	4.8	500.0	469.0
Limit (dB)	54.6	57.3	-23.2	-20.8
Worst Pair	3,6	1,2	4,5	1,2
PS ACR-N (dB)	10.1	9.6	20.2	21.1
Freq. (MHz)	3.3	7.0	500.0	492.0
Limit (dB)	58.2	51.1	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	6.3	4.5	6.3	4.6
Freq. (MHz)	472.0	3.8	472.0	486.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-B

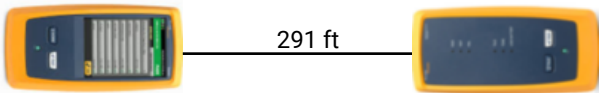
Test Summary: PASS

Date / Time: 12/11/2022 12:17:26 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

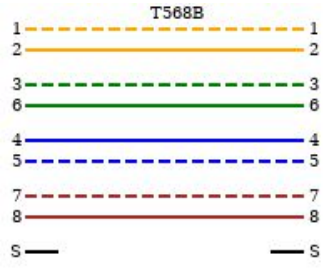
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

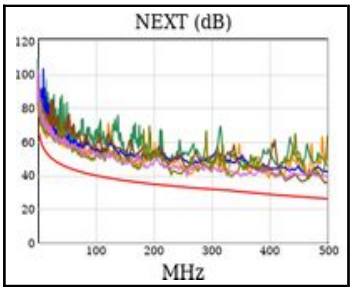
Length (ft), Limit 328	[Pair 7,8]	291
Prop. Delay (ns), Limit 555	[Pair 4,5]	453
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	16.3
Insertion Loss Margin (dB)	[Pair 3,6]	11.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

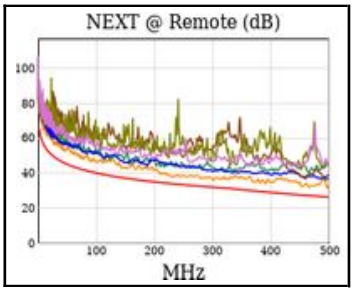


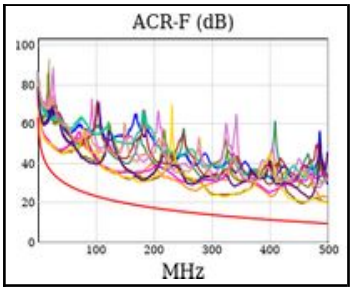
PASS

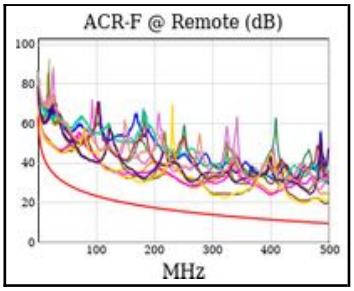


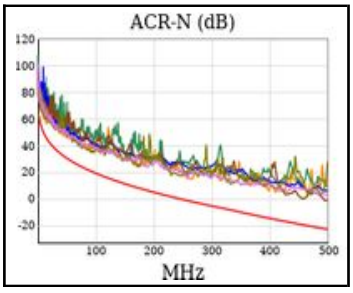


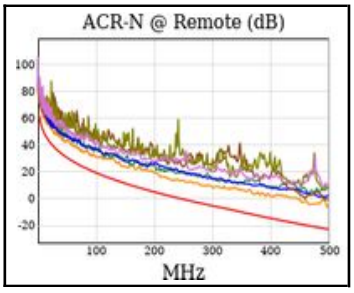


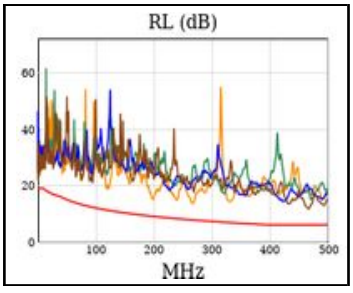


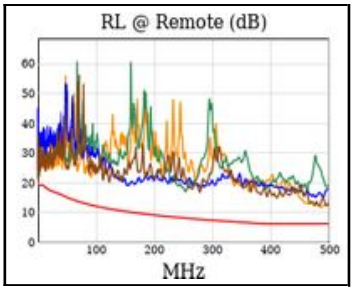












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.3	4.0	9.0	5.0
Freq. (MHz)	258.0	303.0	496.0	497.0
Limit (dB)	32.9	31.7	26.2	26.2
Worst Pair	7,8	1,2	4,5	3,6
PS NEXT (dB)	7.6	5.3	10.4	6.6
Freq. (MHz)	230.5	303.0	500.0	497.0
Limit (dB)	30.8	28.7	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.3	9.5	9.9
Freq. (MHz)	457.0	457.0	457.0	496.0
Limit (dB)	10.1	10.1	10.1	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	10.2	11.7	12.3
Freq. (MHz)	1.4	5.0	496.0	496.0
Limit (dB)	57.5	46.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	9.1	21.0	16.1
Freq. (MHz)	4.5	4.5	496.0	497.0
Limit (dB)	57.8	57.8	-22.9	-23.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.3	9.7	22.4	17.6
Freq. (MHz)	3.4	4.5	500.0	497.0
Limit (dB)	57.9	55.3	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.6	4.8	5.6	5.5
Freq. (MHz)	468.0	3.8	468.0	488.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-1-A

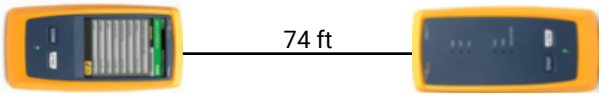
Test Summary: PASS

Date / Time: 11/21/2022 04:20:52 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

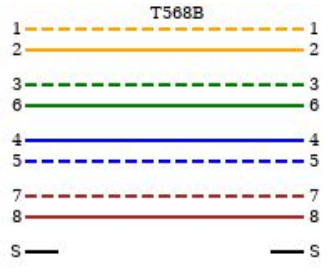
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

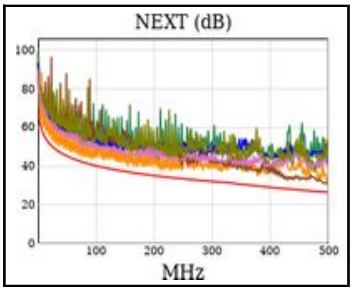
Length (ft), Limit 328	[Pair 1,2]	74
Prop. Delay (ns), Limit 555	[Pair 4,5]	114
Delay Skew (ns), Limit 50	[Pair 4,5]	4
Resistance (ohms)	[Pair 3,6]	3.5
Insertion Loss Margin (dB)	[Pair 3,6]	37.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

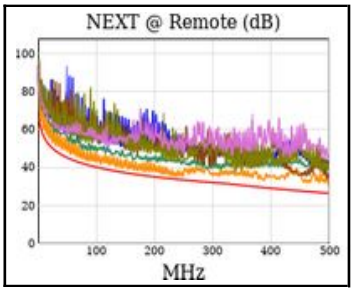


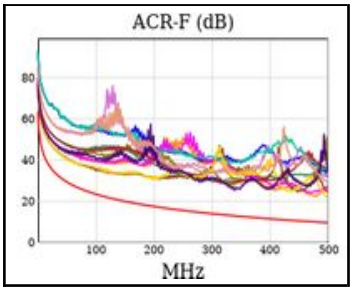
PASS

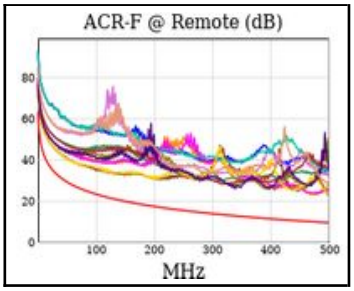


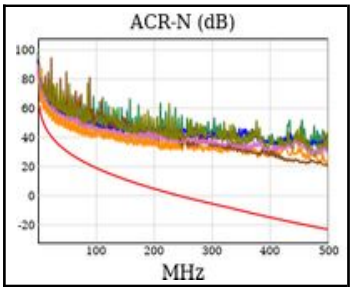


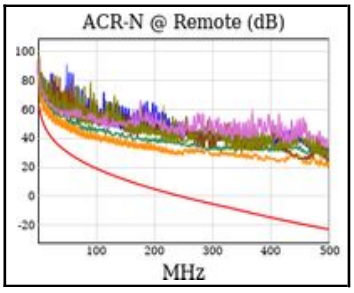


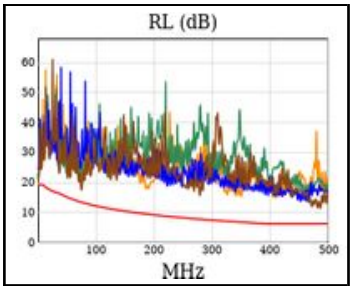


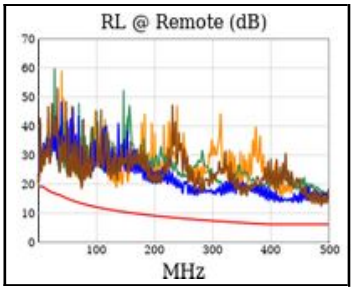












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	2.9	1.4	4.4	3.9
Freq. (MHz)	93.5	239.0	500.0	500.0
Limit (dB)	40.4	33.5	26.1	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	4.4	3.6	4.4	5.6
Freq. (MHz)	500.0	239.0	500.0	499.0
Limit (dB)	23.2	30.5	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-1,2
ACR-F (dB)	10.9	10.9	12.3	13.1
Freq. (MHz)	37.0	37.0	500.0	469.0
Limit (dB)	31.9	31.9	9.3	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	14.0	14.5
Freq. (MHz)	1.4	37.0	500.0	498.0
Limit (dB)	57.5	28.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	7.5	7.4	42.5	42.0
Freq. (MHz)	5.1	5.0	500.0	500.0
Limit (dB)	56.6	56.9	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.2	42.5	43.5
Freq. (MHz)	5.1	5.0	500.0	499.0
Limit (dB)	54.1	54.3	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	4.1	5.0	4.9	6.0
Freq. (MHz)	76.3	75.8	488.0	488.0
Limit (dB)	13.2	13.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-1-B

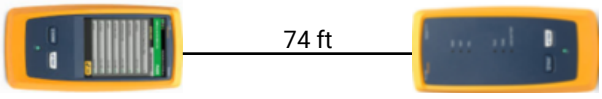
Test Summary: PASS

Date / Time: 11/21/2022 04:21:51 PM
Headroom: 1.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

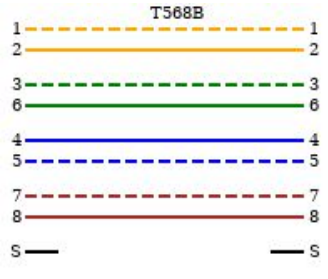
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

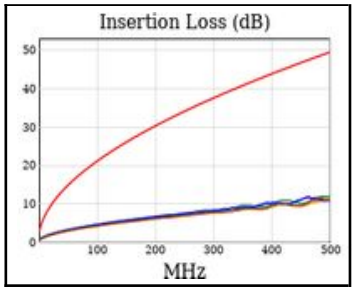
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

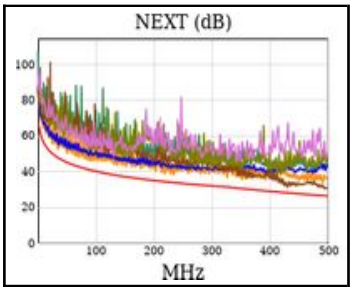
Length (ft), Limit 328	[Pair 1,2]	74
Prop. Delay (ns), Limit 555	[Pair 3,6]	115
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 4,5]	3.5
Insertion Loss Margin (dB)	[Pair 3,6]	37.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

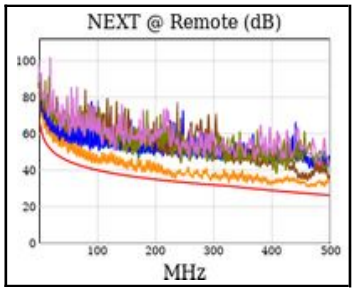


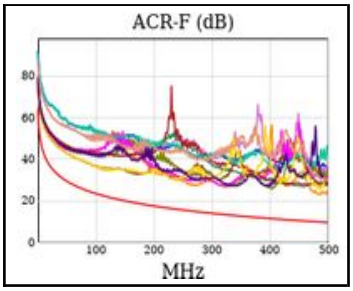
PASS

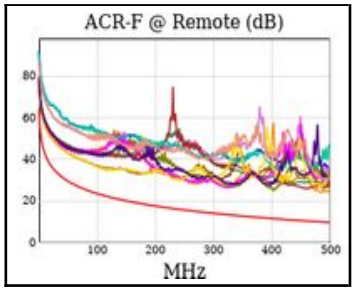


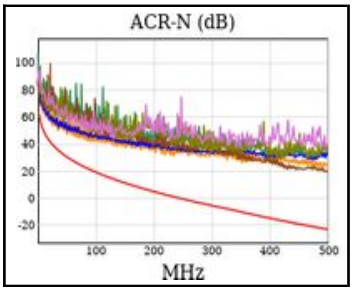


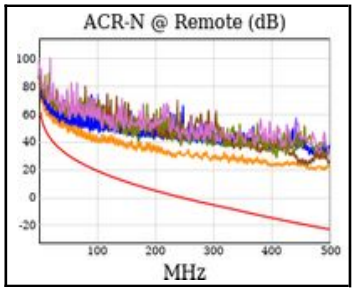


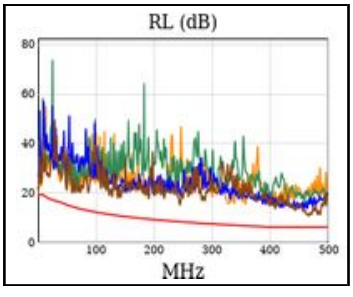


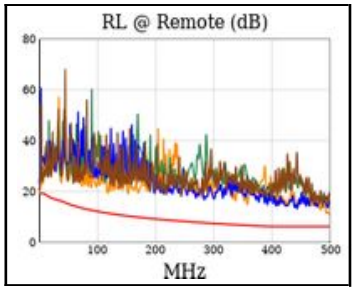












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.9	1.7	3.8	3.4
Freq. (MHz)	431.0	235.0	494.0	466.0
Limit (dB)	27.9	33.6	26.2	26.9
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	4.8	4.3	6.0	5.3
Freq. (MHz)	430.0	235.0	500.0	462.0
Limit (dB)	25.0	30.6	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	12.2	12.3	13.1	14.1
Freq. (MHz)	270.0	115.5	488.0	487.0
Limit (dB)	14.6	22.0	9.5	9.5
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	11.9	12.0	13.7	15.8
Freq. (MHz)	1.4	1.0	488.0	498.0
Limit (dB)	57.5	60.3	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	11.3	42.3	41.7
Freq. (MHz)	5.0	5.0	499.0	492.0
Limit (dB)	56.9	56.9	-23.1	-22.6
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	12.0	12.4	43.3	43.6
Freq. (MHz)	5.1	5.1	499.0	492.0
Limit (dB)	54.1	54.1	-26.0	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.3	4.9	4.3	4.9
Freq. (MHz)	468.0	500.0	468.0	500.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-2-A

Test Summary: PASS

Date / Time: 11/21/2022 04:24:51 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	94
Prop. Delay (ns), Limit 555	[Pair 4,5]	147
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	4.7
Insertion Loss Margin (dB)	[Pair 3,6]	35.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.8	2.6	5.3	4.2
Freq. (MHz)	89.8	89.8	500.0	460.0
Limit (dB)	40.7	40.7	26.1	27.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.5	4.3	6.0	6.0
Freq. (MHz)	89.8	231.0	495.0	460.0
Limit (dB)	37.9	30.8	23.3	24.2

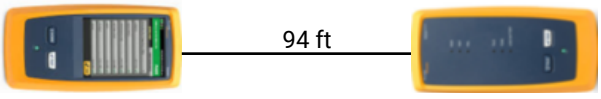
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.3	9.3	9.6	9.8
Freq. (MHz)	446.0	446.0	497.0	500.0
Limit (dB)	10.3	10.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.5	10.9	11.3
Freq. (MHz)	1.4	5.0	498.0	500.0
Limit (dB)	57.5	46.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.5	9.0	38.5	40.4
Freq. (MHz)	3.9	4.0	461.0	491.0
Limit (dB)	59.2	58.9	-20.1	-22.5
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	9.9	10.5	41.3	42.1
Freq. (MHz)	3.6	3.8	496.0	491.0
Limit (dB)	57.3	57.0	-25.8	-25.4

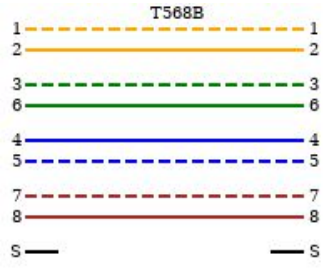
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	7,8
RL (dB)	6.8	6.2	6.8	6.2
Freq. (MHz)	462.0	500.0	462.0	500.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

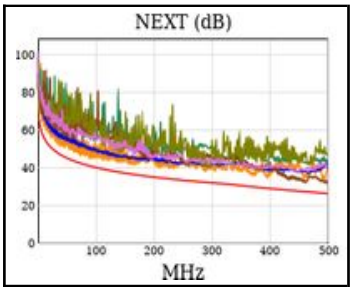
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

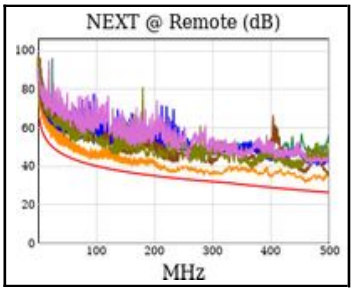


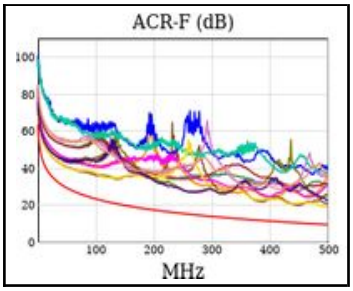
PASS

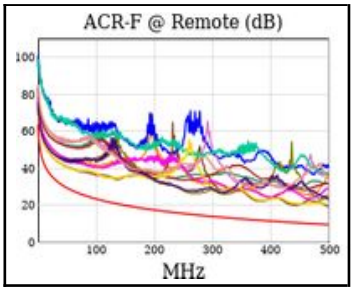


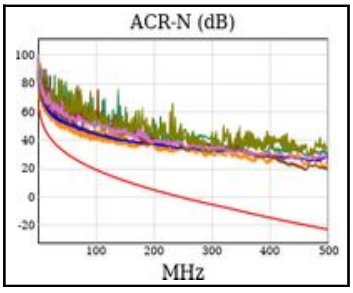


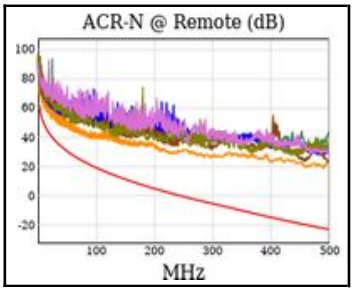


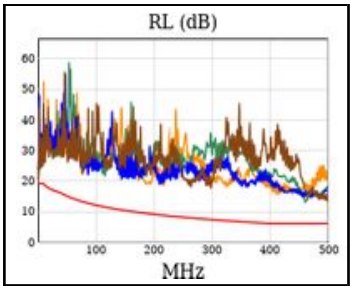


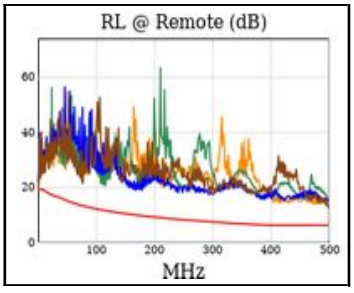












FLUKE networks

LinkWare Live

Cable ID: 118-2-B

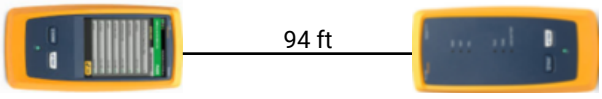
Test Summary: PASS

Date / Time: 11/21/2022 04:25:26 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

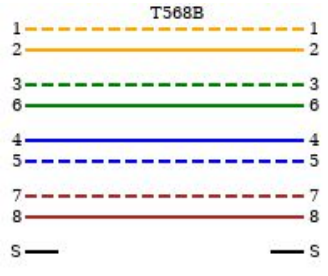
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	94
Prop. Delay (ns), Limit 555	[Pair 4,5]	147
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	4.6
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

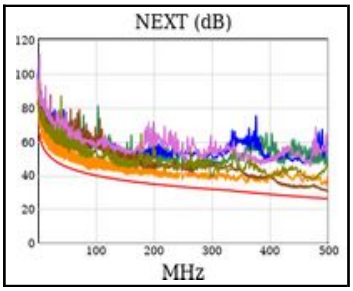


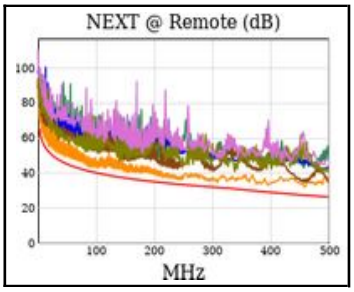
PASS



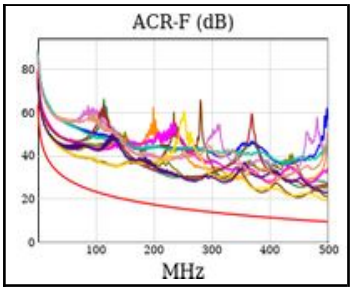


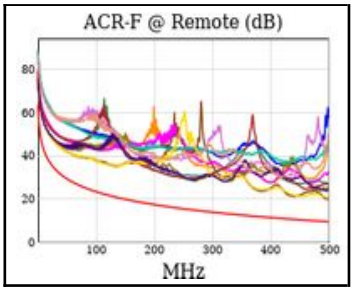
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.5	2.4	4.4	4.5
Freq. (MHz)	89.5	242.5	499.0	459.0
Limit (dB)	40.7	33.3	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.7	4.6	5.4	5.5
Freq. (MHz)	89.5	246.5	498.0	460.0
Limit (dB)	37.9	30.3	23.3	24.2



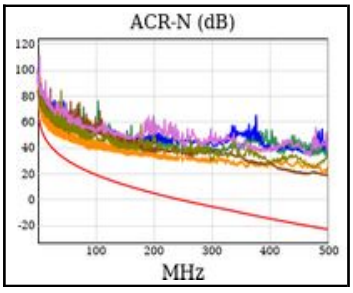


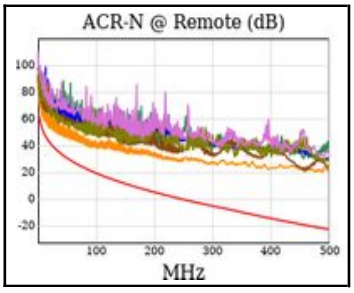
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	10.4	9.8	10.4
Freq. (MHz)	497.0	499.0	497.0	499.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.6	11.2	11.9
Freq. (MHz)	497.0	8.9	497.0	498.0
Limit (dB)	6.3	41.3	6.3	6.3



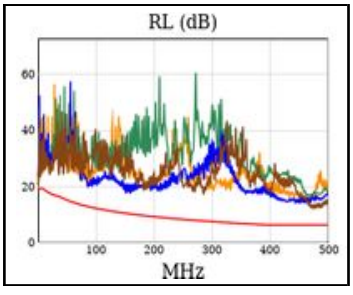


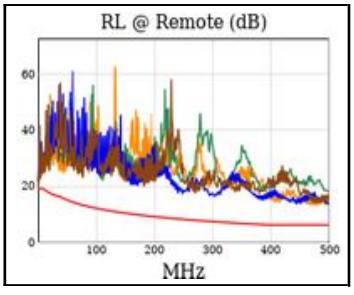
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.0	8.8	41.1	41.6
Freq. (MHz)	3.8	3.9	499.0	490.0
Limit (dB)	59.5	59.2	-23.1	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	10.5	40.8	40.5
Freq. (MHz)	3.8	3.6	498.0	460.0
Limit (dB)	57.0	57.3	-25.9	-22.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.7	6.7	5.7	6.7
Freq. (MHz)	487.0	479.0	487.0	479.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-A

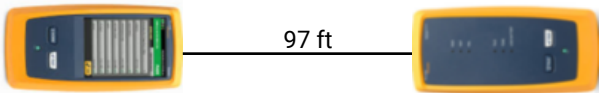
Test Summary: PASS

Date / Time: 11/19/2022 05:28:02 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

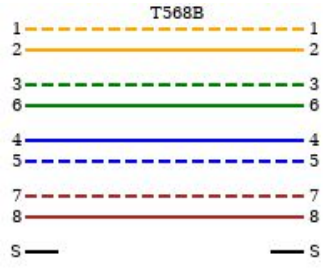
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	97
Prop. Delay (ns), Limit 555	[Pair 4,5]	154
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	4.5
Insertion Loss Margin (dB)	[Pair 3,6]	35.0
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

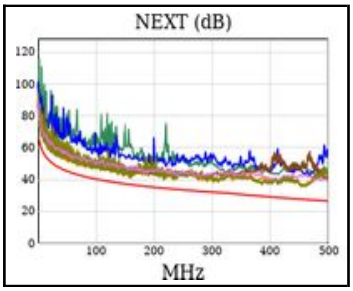


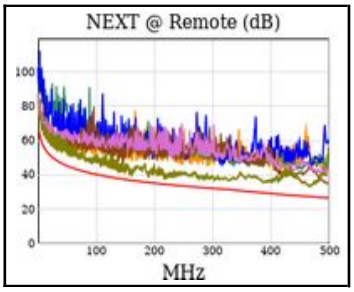
PASS



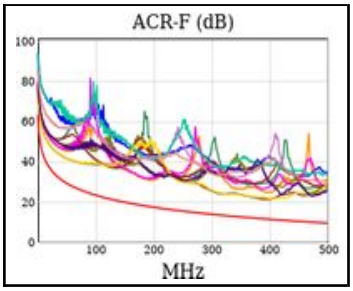


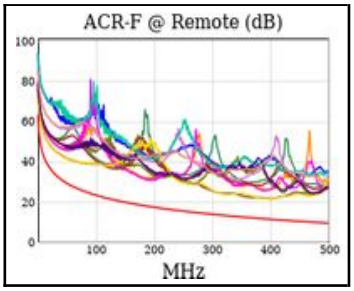
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.9	2.5	7.5	5.6
Freq. (MHz)	161.5	161.5	455.0	470.0
Limit (dB)	36.4	36.4	27.2	26.8
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	3.8	4.9	8.2	7.9
Freq. (MHz)	161.5	161.5	455.0	470.0
Limit (dB)	33.5	33.5	24.3	23.9



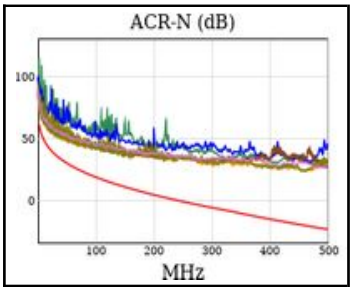


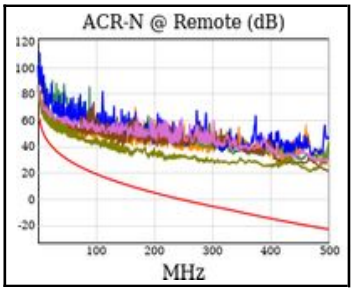
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	10.0	9.8	10.0
Freq. (MHz)	386.0	367.0	400.0	402.0
Limit (dB)	11.5	12.0	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.4	11.3	11.4
Freq. (MHz)	402.0	403.0	419.0	403.0
Limit (dB)	8.2	8.2	7.8	8.2



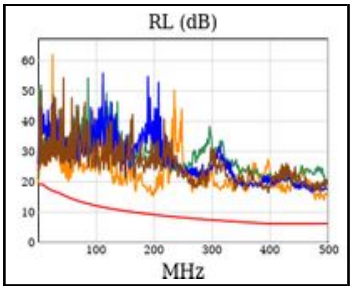


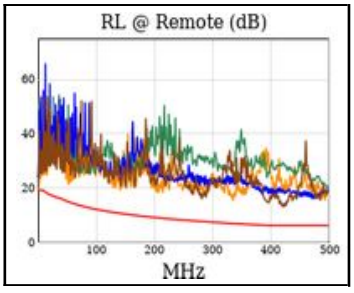
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	10.7	10.9	43.5	41.3
Freq. (MHz)	3.1	7.0	462.0	470.0
Limit (dB)	61.1	53.7	-20.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	10.2	43.6	44.4
Freq. (MHz)	3.5	3.6	463.0	497.0
Limit (dB)	57.6	57.3	-23.2	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.3	6.4	7.4	6.7
Freq. (MHz)	53.5	53.5	494.0	423.0
Limit (dB)	14.7	14.7	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 117-B

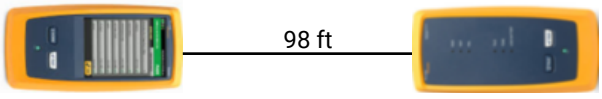
Test Summary: PASS

Date / Time: 11/19/2022 05:28:22 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

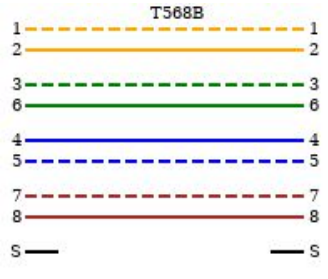
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

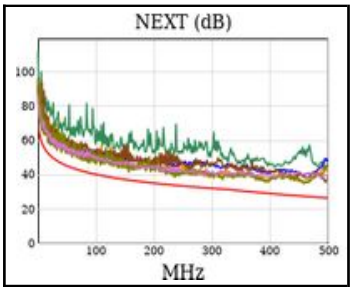
Length (ft), Limit 328	[Pair 1,2]	98
Prop. Delay (ns), Limit 555	[Pair 4,5]	154
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	4.5
Insertion Loss Margin (dB)	[Pair 3,6]	35.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

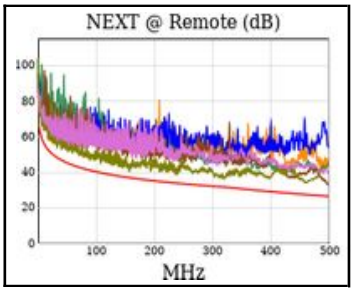


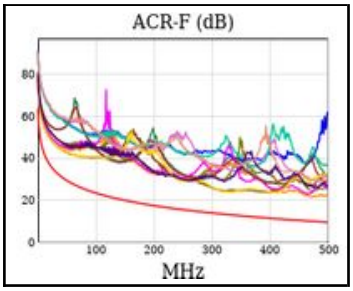
PASS

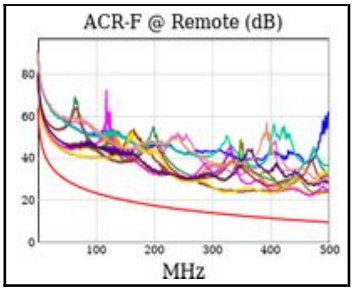


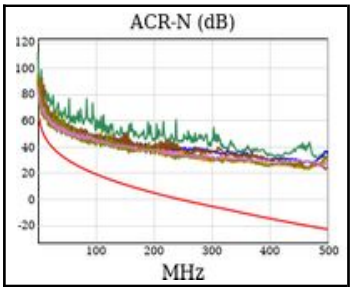


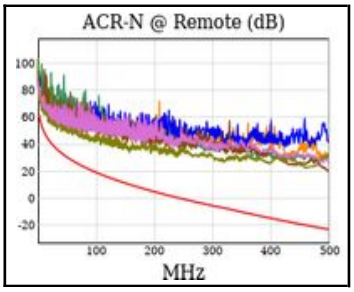


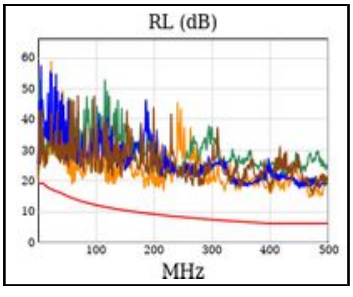


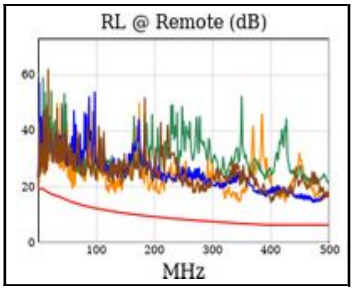












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.5	3.5	7.1	6.4
Freq. (MHz)	236.5	158.0	459.0	500.0
Limit (dB)	33.5	36.5	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.2	5.8	6.6	8.2
Freq. (MHz)	158.0	158.0	459.0	500.0
Limit (dB)	33.6	33.6	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.6	10.3	11.4	12.0
Freq. (MHz)	334.0	323.0	472.0	468.0
Limit (dB)	12.8	13.1	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.8	12.9	12.3
Freq. (MHz)	15.6	1.1	474.0	472.0
Limit (dB)	36.4	59.2	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.9	10.7	45.0	42.8
Freq. (MHz)	3.6	3.6	497.0	500.0
Limit (dB)	59.8	59.8	-23.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.5	41.9	44.0
Freq. (MHz)	3.5	3.6	467.0	500.0
Limit (dB)	57.6	57.3	-23.5	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	4.6	4.8	8.2	7.9
Freq. (MHz)	60.3	60.3	469.0	476.0
Limit (dB)	14.2	14.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-A

Test Summary: PASS

Date / Time: 11/26/2022 06:33:11 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	161
Prop. Delay (ns), Limit 555	[Pair 4,5]	256
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	26.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.3	3.3	6.9	6.0
Freq. (MHz)	170.5	234.0	500.0	464.0
Limit (dB)	36.0	33.6	26.1	27.0
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	4.9	5.7	8.3	8.1
Freq. (MHz)	170.5	234.0	497.0	500.0
Limit (dB)	33.1	30.7	23.3	23.2

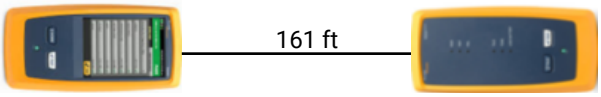
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.3	9.7	10.5
Freq. (MHz)	499.0	321.0	499.0	500.0
Limit (dB)	9.3	13.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.6	11.8	12.8
Freq. (MHz)	331.0	2.8	499.0	500.0
Limit (dB)	9.9	51.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	6.4	7.0	34.3	33.9
Freq. (MHz)	4.3	6.5	500.0	489.0
Limit (dB)	58.3	54.4	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	9.2	34.8	34.8
Freq. (MHz)	4.3	4.3	497.0	500.0
Limit (dB)	55.8	55.8	-25.8	-26.1

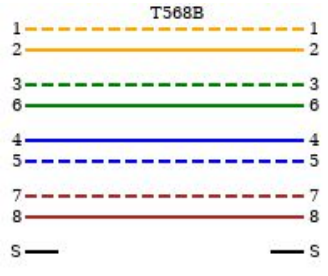
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.6	4.2	7.1	4.6
Freq. (MHz)	13.9	344.0	461.0	481.0
Limit (dB)	18.3	6.6	6.0	6.0

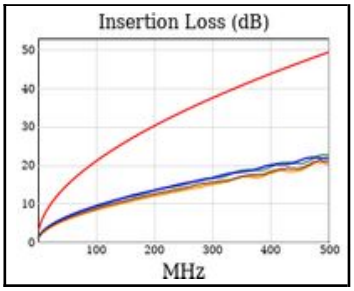
Compliant Network Standards:

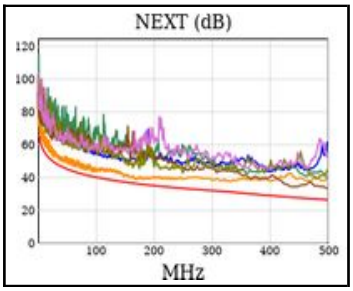
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

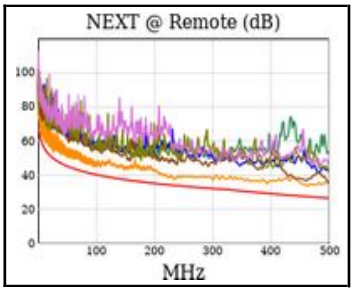


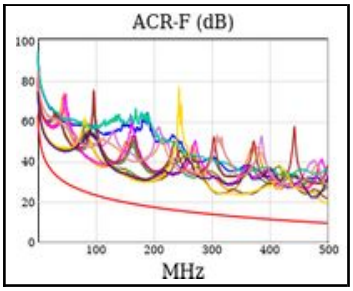
PASS

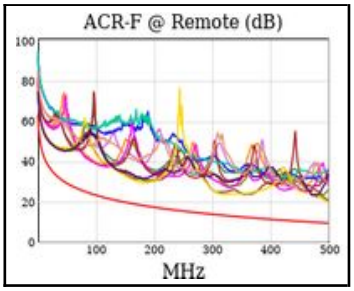


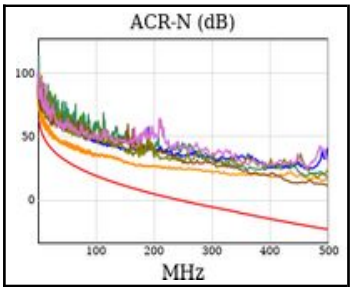


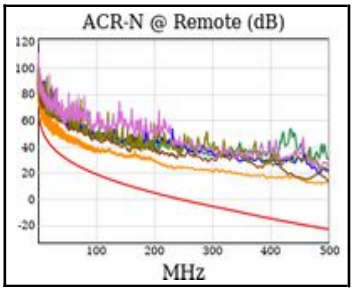


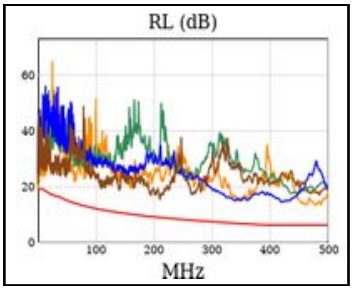


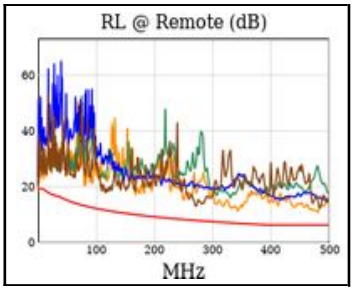












FLUKE networks

LinkWare Live

Cable ID: 118-B

Test Summary: PASS

Date / Time: 11/26/2022 06:34:28 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	255
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	26.8
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.5	4.2	7.6	5.7
Freq. (MHz)	65.3	227.5	497.0	465.0
Limit (dB)	43.1	33.8	26.2	27.0
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	6.5	6.4	7.7	7.2
Freq. (MHz)	6.5	83.0	461.0	465.0
Limit (dB)	57.1	38.5	24.2	24.1

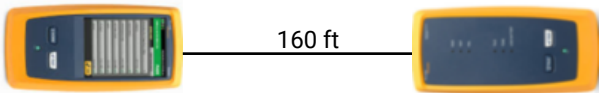
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	9.7	9.9	11.0	10.5
Freq. (MHz)	9.1	7.0	500.0	477.0
Limit (dB)	44.1	46.4	9.3	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.1	11.7	12.7
Freq. (MHz)	9.1	8.9	495.0	500.0
Limit (dB)	41.1	41.3	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.4	7.7	34.9	33.2
Freq. (MHz)	4.4	6.5	497.0	476.0
Limit (dB)	58.1	54.4	-23.0	-21.3
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	9.1	9.9	35.6	35.9
Freq. (MHz)	4.4	6.6	497.0	500.0
Limit (dB)	55.6	51.7	-25.8	-26.1

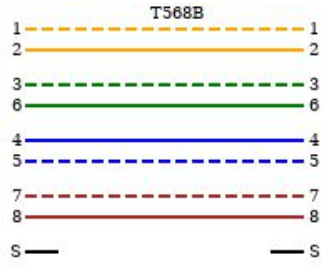
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	5.6	4.1	8.7	4.1
Freq. (MHz)	40.5	483.0	436.0	483.0
Limit (dB)	15.9	6.0	6.0	6.0

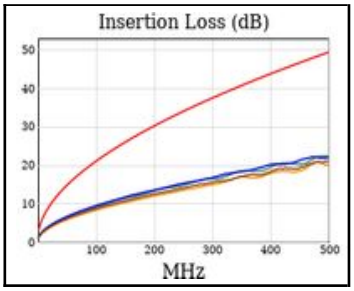
Compliant Network Standards:

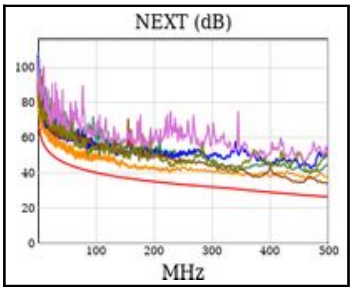
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

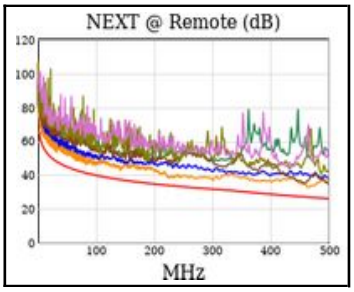


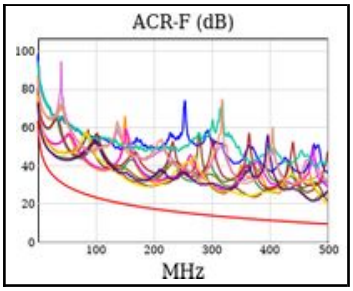
PASS

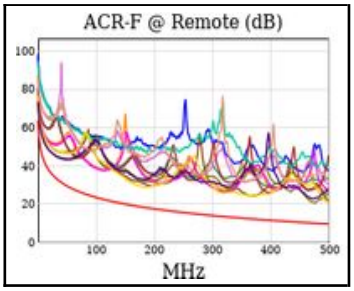


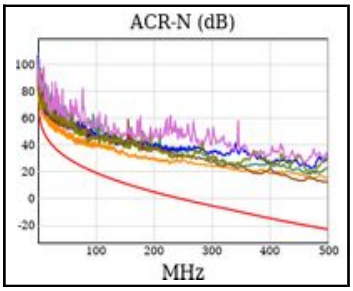


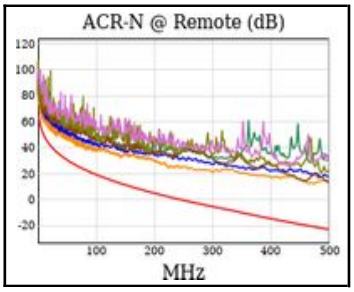


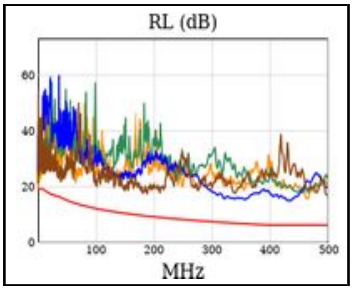


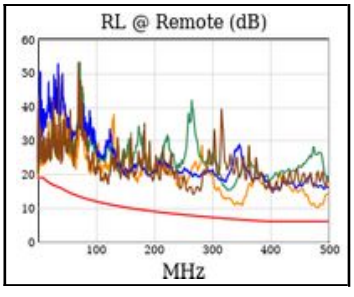












FLUKE networks

LinkWare Live

Cable ID: 119-1-A

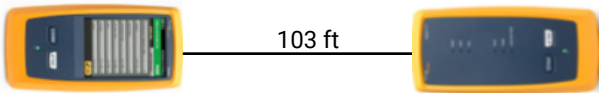
Test Summary: PASS

Date / Time: 12/17/2022 05:05:00 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

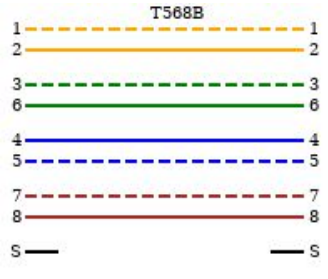
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

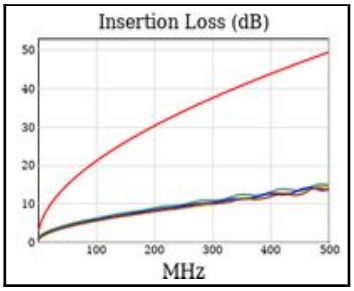
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

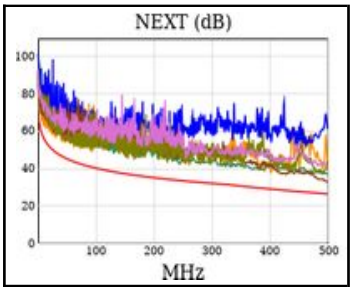
Length (ft), Limit 328	[Pair 7,8]	103
Prop. Delay (ns), Limit 555	[Pair 4,5]	161
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	14.9
Insertion Loss Margin (dB)	[Pair 3,6]	33.8
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

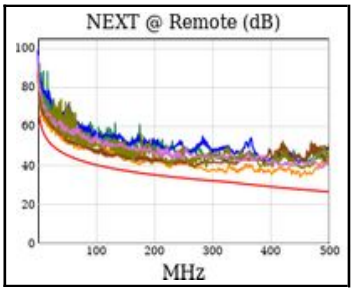


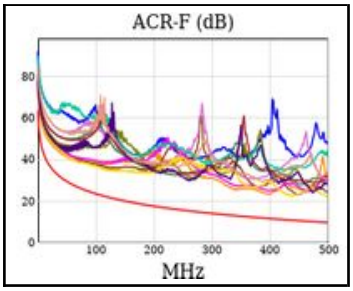
PASS

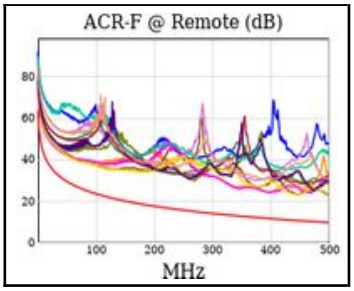


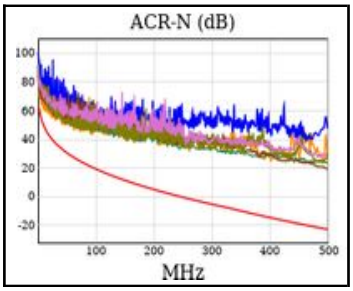


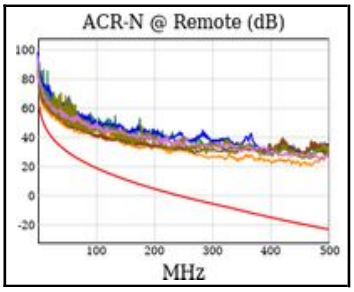


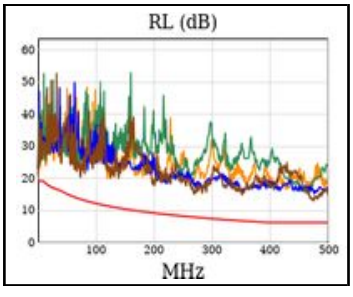


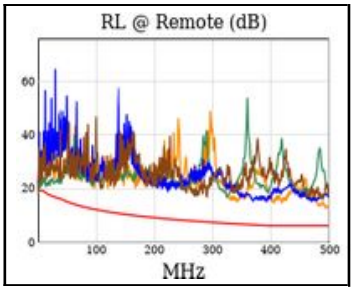












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.2	4.0	6.4	6.1
Freq. (MHz)	7.1	175.5	499.0	452.0
Limit (dB)	59.0	35.8	26.1	27.3
Worst Pair	3,6	3,6	4,5	1,2
PS NEXT (dB)	6.4	3.8	7.4	7.8
Freq. (MHz)	3.5	225.0	499.0	452.0
Limit (dB)	61.5	31.0	23.3	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	11.1	12.5	13.2
Freq. (MHz)	5.8	5.3	500.0	500.0
Limit (dB)	48.1	48.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.9	12.9	13.0
Freq. (MHz)	1.3	7.8	438.0	469.0
Limit (dB)	58.3	42.5	7.4	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.8	8.6	42.0	39.5
Freq. (MHz)	3.8	3.4	499.0	452.0
Limit (dB)	59.5	60.4	-23.1	-19.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	8.7	42.2	41.2
Freq. (MHz)	3.3	3.4	495.0	452.0
Limit (dB)	58.2	57.9	-25.7	-22.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	6.6	4.5	6.6	6.4
Freq. (MHz)	476.0	21.8	476.0	496.0
Limit (dB)	6.0	17.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-1-B

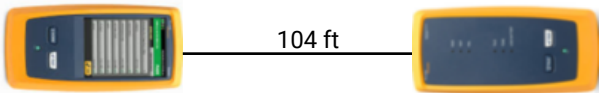
Test Summary: PASS

Date / Time: 12/17/2022 05:05:40 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

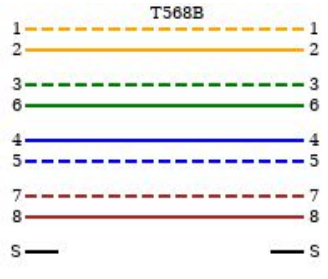
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

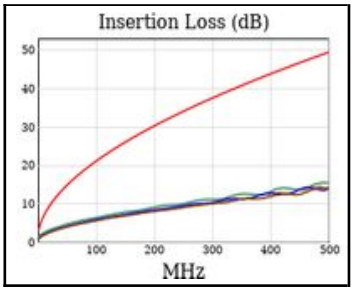
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	104
Prop. Delay (ns), Limit 555	[Pair 4,5]	161
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	18.5
Insertion Loss Margin (dB)	[Pair 3,6]	33.7
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

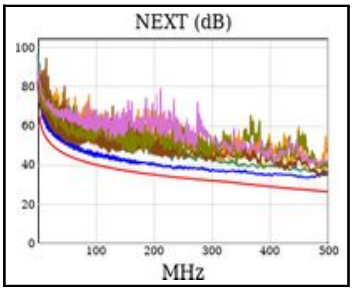


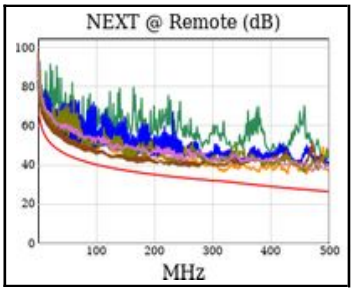
PASS



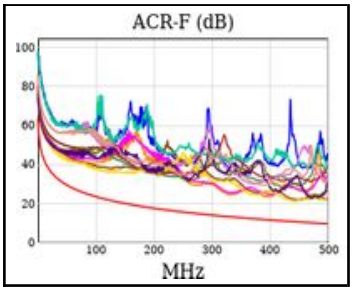


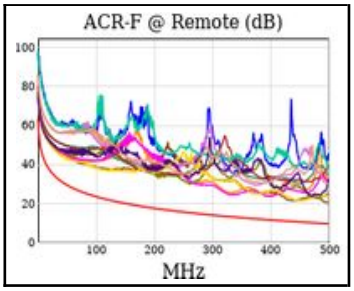
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-3,6	1,2-7,8	1,2-3,6
NEXT (dB)	3.7	4.5	6.5	7.0
Freq. (MHz)	98.3	320.0	476.0	430.0
Limit (dB)	40.1	31.3	26.7	27.9
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	5.4	4.5	7.0	8.0
Freq. (MHz)	98.3	162.5	487.0	456.0
Limit (dB)	37.2	33.4	23.5	24.3



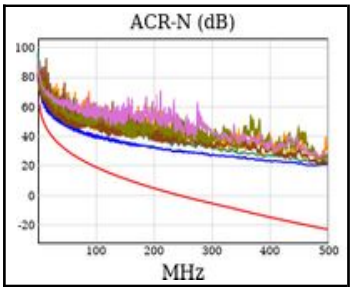


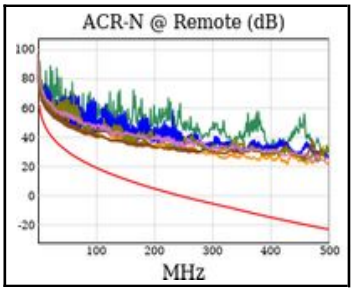
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.7	10.4	10.7
Freq. (MHz)	445.0	500.0	445.0	500.0
Limit (dB)	10.3	9.3	10.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.8	11.8	12.2
Freq. (MHz)	1.0	436.0	471.0	497.0
Limit (dB)	60.3	7.5	6.8	6.3



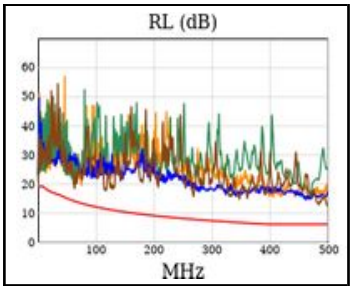


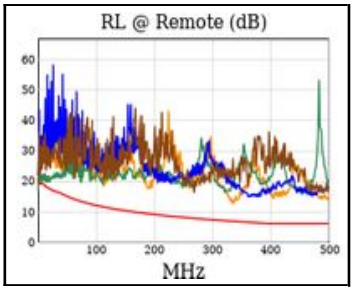
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	1,2-3,6
ACR-N (dB)	9.8	8.1	41.0	38.4
Freq. (MHz)	3.1	3.1	476.0	430.0
Limit (dB)	61.1	61.1	-21.3	-17.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	8.3	41.4	43.1
Freq. (MHz)	3.4	3.1	487.0	481.0
Limit (dB)	57.9	58.3	-25.1	-24.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	4.4	2.3	6.3	5.7
Freq. (MHz)	64.0	21.4	499.0	336.0
Limit (dB)	13.9	17.4	6.0	6.7





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-2-A

Test Summary: PASS

Date / Time: 12/17/2022 04:49:07 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	116
Prop. Delay (ns), Limit 555	[Pair 4,5]	181
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	32.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	6.3	4.8	7.0	7.0
Freq. (MHz)	3.0	156.5	485.0	470.0
Limit (dB)	65.0	36.6	26.5	26.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.7	4.7	8.4	7.9
Freq. (MHz)	6.0	156.5	495.0	470.0
Limit (dB)	57.7	33.7	23.3	23.9

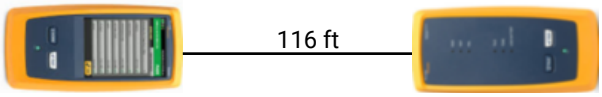
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.8	12.1	11.4
Freq. (MHz)	381.0	387.0	481.0	460.0
Limit (dB)	11.6	11.5	9.6	10.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.4	11.0	13.2	13.4
Freq. (MHz)	16.4	13.1	489.0	460.0
Limit (dB)	36.0	37.9	6.5	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	8.6	40.4	39.1
Freq. (MHz)	3.0	2.8	485.0	470.0
Limit (dB)	61.4	61.5	-22.0	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.2	41.4	40.0
Freq. (MHz)	3.0	3.0	487.0	470.0
Limit (dB)	58.4	58.4	-25.1	-23.7

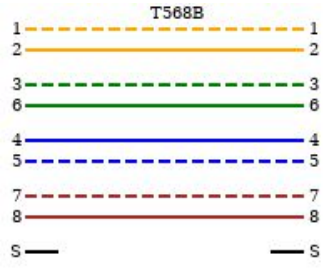
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.0	5.5	5.0	6.5
Freq. (MHz)	499.0	21.4	499.0	482.0
Limit (dB)	6.0	17.4	6.0	6.0

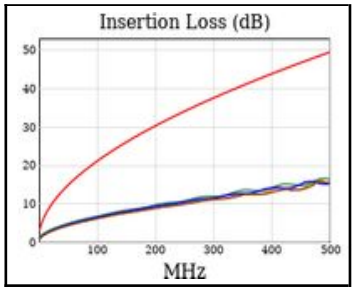
Compliant Network Standards:

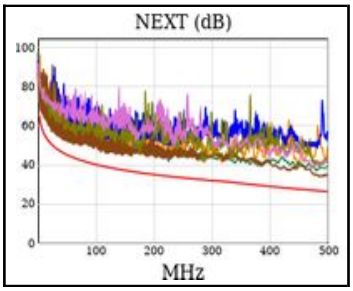
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

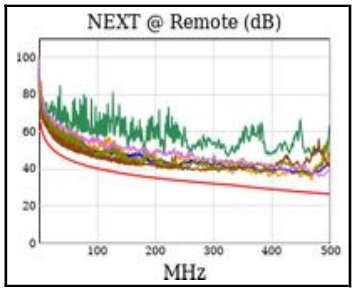


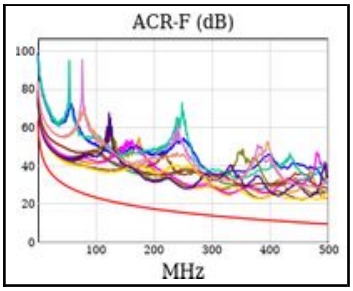
PASS

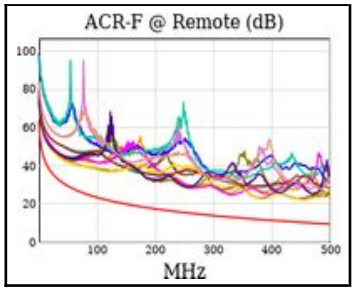


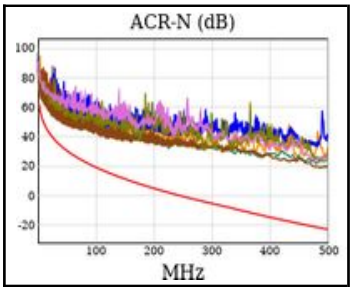


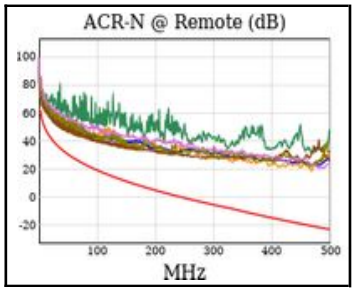


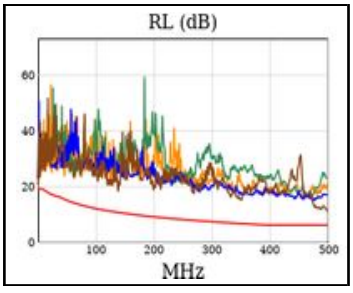


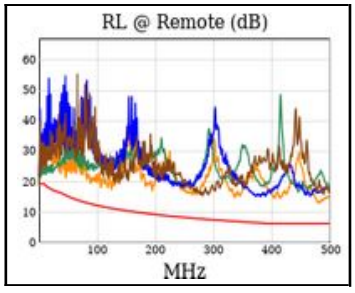












FLUKE networks

LinkWare Live

Cable ID: 119-2-B

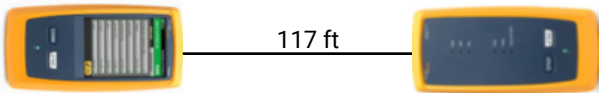
Test Summary: PASS

Date / Time: 12/17/2022 04:49:28 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

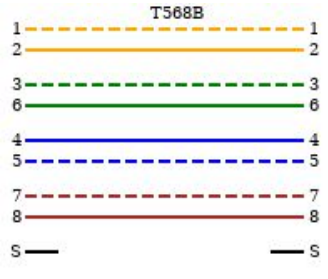
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

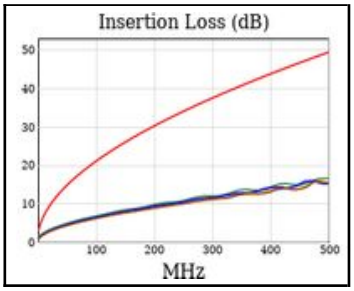
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	181
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 3,6]	32.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

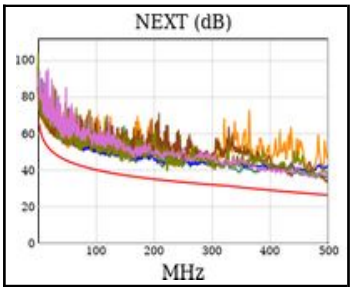


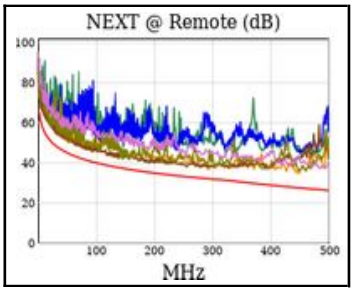
PASS



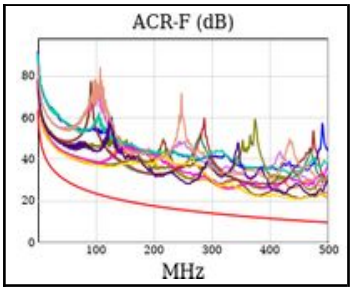


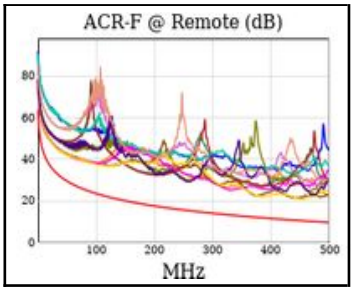
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	4.6	6.9	7.0
Freq. (MHz)	223.5	295.0	500.0	450.0
Limit (dB)	34.0	31.9	26.1	27.3
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	6.5	3.5	7.0	7.3
Freq. (MHz)	223.5	146.5	499.0	449.0
Limit (dB)	31.0	34.2	23.3	24.5



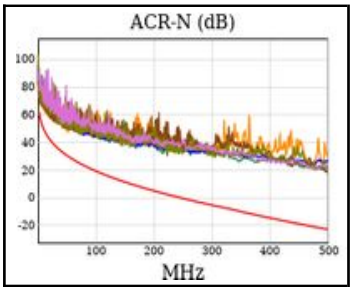


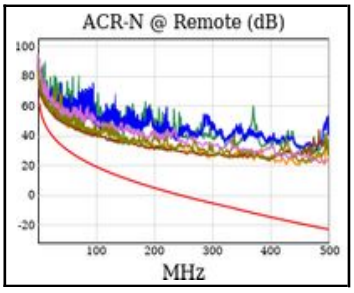
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.9	10.3	10.3
Freq. (MHz)	388.0	388.0	444.0	458.0
Limit (dB)	11.5	11.5	10.3	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.9	11.2	12.3
Freq. (MHz)	1.0	7.0	479.0	466.0
Limit (dB)	60.3	43.4	6.7	6.9



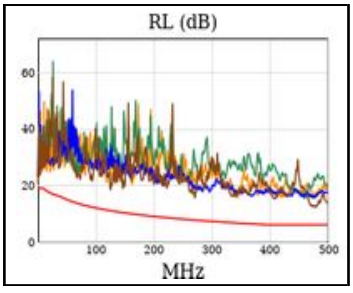


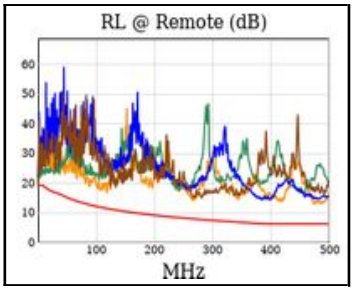
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.1	9.4	41.0	38.8
Freq. (MHz)	3.0	3.0	500.0	450.0
Limit (dB)	61.4	61.4	-23.2	-19.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.6	9.2	41.1	39.0
Freq. (MHz)	3.1	5.9	499.0	449.0
Limit (dB)	58.3	52.8	-26.0	-22.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.2	5.3	6.2	6.7
Freq. (MHz)	481.0	119.5	481.0	490.0
Limit (dB)	6.0	11.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-3-A

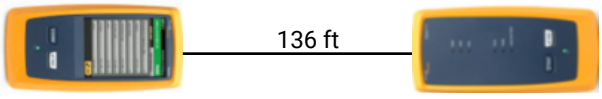
Test Summary: PASS

Date / Time: 12/17/2022 04:35:27 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

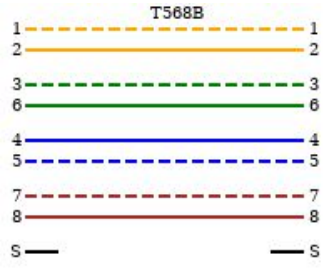
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	136
Prop. Delay (ns), Limit 555	[Pair 4,5]	211
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 1,2]	29.9
Frequency (MHz)	[Pair 1,2]	493.0
Limit (dB)	[Pair 1,2]	48.9



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.7	2.8	7.5	2.9
Freq. (MHz)	51.5	463.0	490.0	466.0
Limit (dB)	44.8	27.0	26.3	26.9
Worst Pair	4,5	3,6	4,5	1,2
PS NEXT (dB)	7.6	4.1	7.6	5.3
Freq. (MHz)	490.0	303.0	490.0	466.0
Limit (dB)	23.5	28.7	23.5	24.0

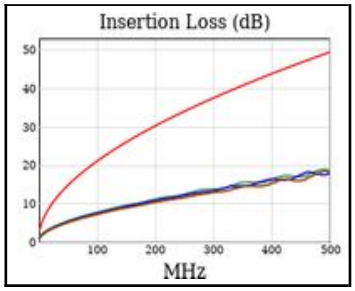
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.2	10.6	10.2
Freq. (MHz)	338.0	383.0	389.0	383.0
Limit (dB)	12.7	11.6	11.5	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.8	11.5	12.0
Freq. (MHz)	338.0	326.0	400.0	390.0
Limit (dB)	9.7	10.0	8.2	8.4

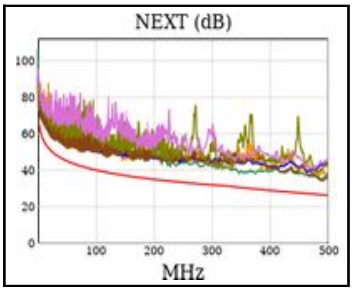
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	8.6	38.8	32.6
Freq. (MHz)	2.5	4.8	490.0	467.0
Limit (dB)	61.7	57.3	-22.4	-20.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.1	37.7	35.0
Freq. (MHz)	4.8	4.5	487.0	467.0
Limit (dB)	54.8	55.3	-25.1	-23.5

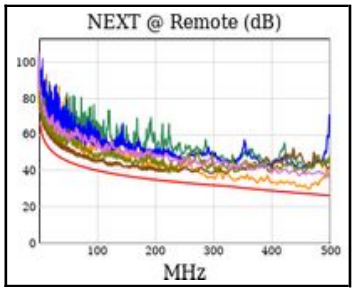
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.2	4.5	5.2	4.5
Freq. (MHz)	495.0	498.0	495.0	498.0
Limit (dB)	6.0	6.0	6.0	6.0

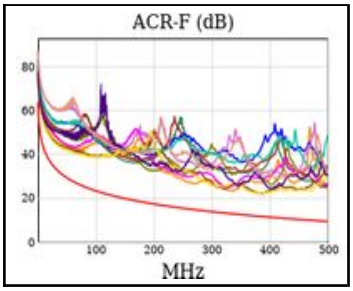
Compliant Network Standards:

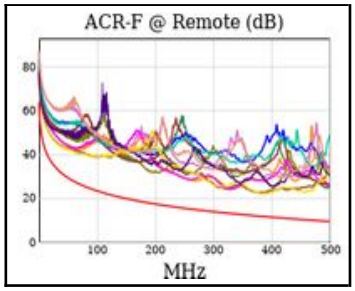
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

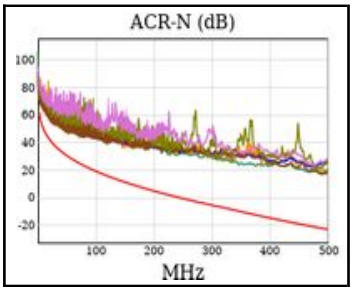


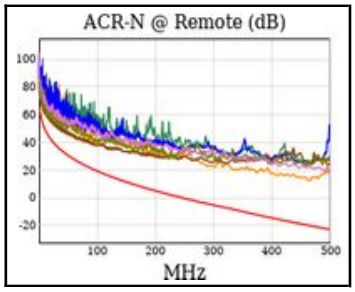


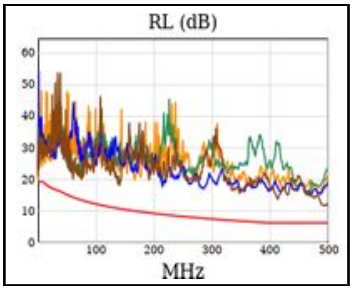


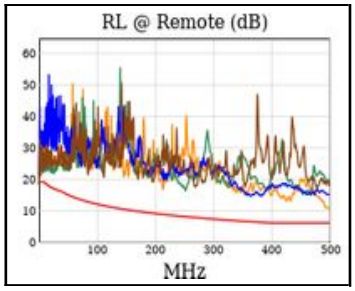












FLUKE networks

LinkWare Live

Cable ID: 118-A

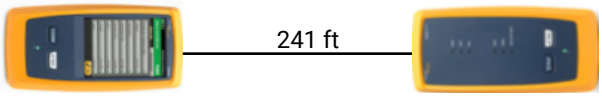
Test Summary: PASS

Date / Time: 12/19/2022 02:05:50 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

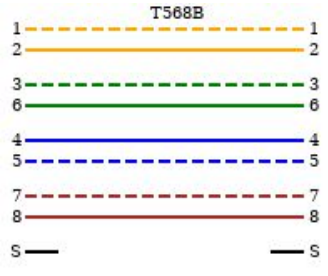
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	241
Prop. Delay (ns), Limit 555	[Pair 4,5]	374
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	17.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

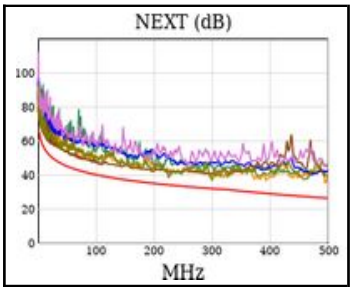


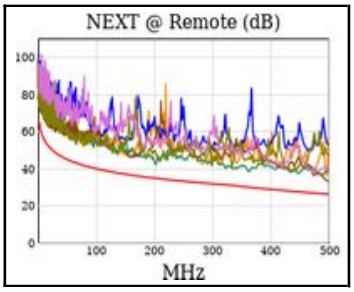
PASS



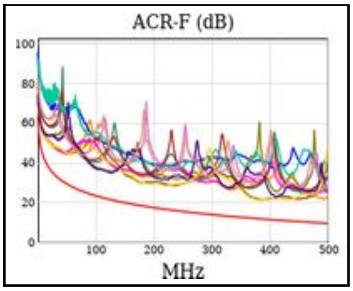


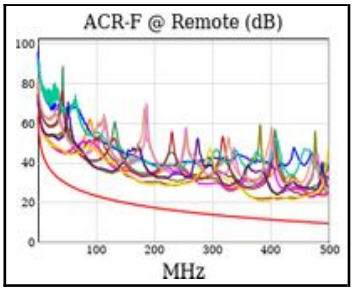
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	7.1	8.3	7.1
Freq. (MHz)	226.0	499.0	496.0	499.0
Limit (dB)	33.9	26.1	26.2	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	4.4	8.1	9.7	8.1
Freq. (MHz)	226.0	497.0	496.0	497.0
Limit (dB)	30.9	23.3	23.3	23.3



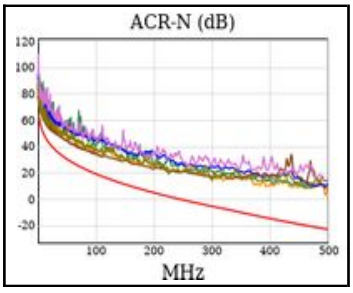


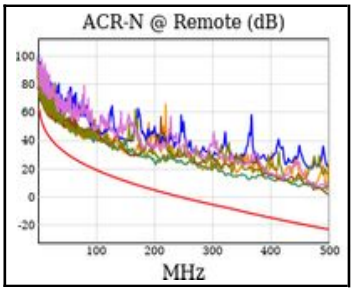
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.0	9.5	9.1
Freq. (MHz)	382.0	389.0	388.0	391.0
Limit (dB)	11.6	11.5	11.5	11.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	9.5	9.8	12.4	11.6
Freq. (MHz)	3.1	3.1	474.0	442.0
Limit (dB)	50.4	50.4	6.7	7.3



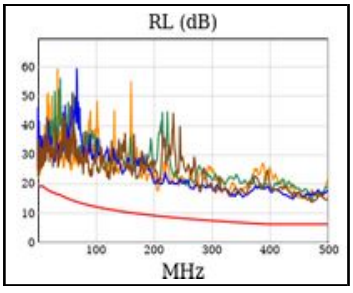


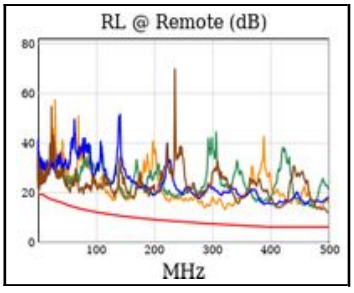
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	9.4	25.4	24.8
Freq. (MHz)	2.6	2.6	496.0	499.0
Limit (dB)	61.6	61.6	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	10.0	26.9	25.2
Freq. (MHz)	5.3	4.1	496.0	497.0
Limit (dB)	53.9	56.1	-25.8	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	7,8
RL (dB)	6.2	3.9	7.4	5.9
Freq. (MHz)	7.6	7.6	472.0	499.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-B

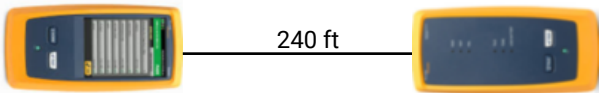
Test Summary: PASS

Date / Time: 12/19/2022 02:06:10 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

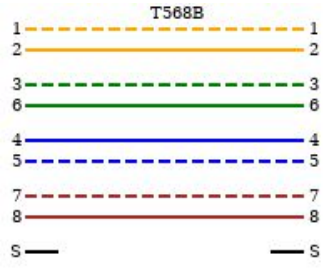
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

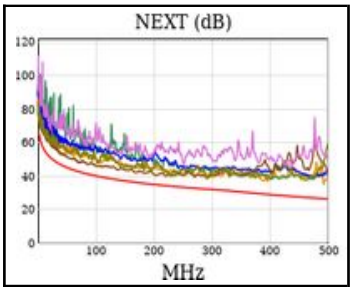
Length (ft), Limit 328	[Pair 7,8]	240
Prop. Delay (ns), Limit 555	[Pair 4,5]	373
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	17.0
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

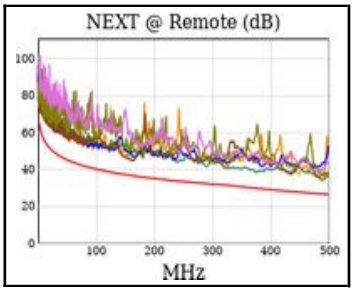


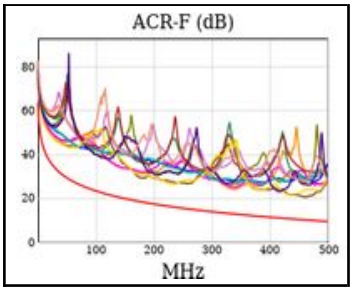
PASS

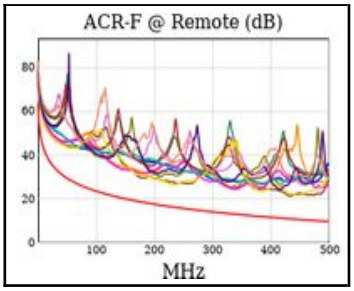


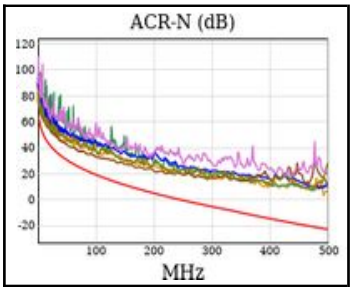


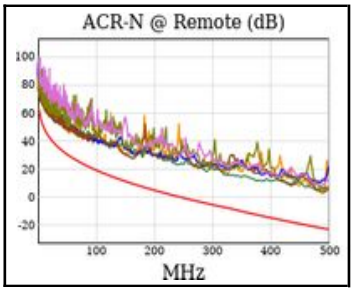


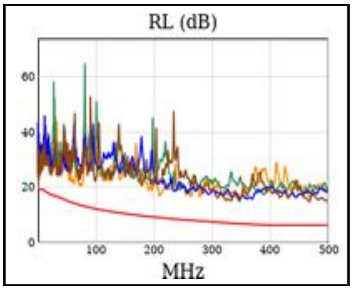


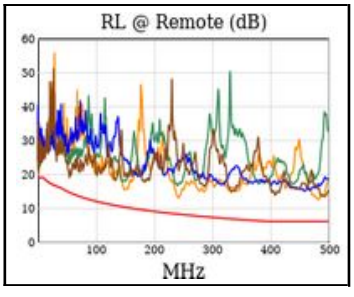












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.3	7.6	8.6	7.7
Freq. (MHz)	72.0	488.0	494.0	492.0
Limit (dB)	42.3	26.4	26.2	26.3
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.1	7.2	9.6	7.2
Freq. (MHz)	292.0	492.0	494.0	492.0
Limit (dB)	29.0	23.4	23.4	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.2	10.5	10.4
Freq. (MHz)	231.5	231.5	464.0	434.0
Limit (dB)	16.0	16.0	9.9	10.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.2	11.3	12.2	12.9
Freq. (MHz)	205.0	7.5	459.0	475.0
Limit (dB)	14.0	42.8	7.0	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.0	9.5	25.4	25.5
Freq. (MHz)	4.0	4.0	494.0	492.0
Limit (dB)	58.9	58.9	-22.7	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	10.4	27.9	24.0
Freq. (MHz)	5.4	2.9	494.0	492.0
Limit (dB)	53.7	58.4	-25.6	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.3	4.4	8.4	6.5
Freq. (MHz)	7.6	55.0	469.0	484.0
Limit (dB)	19.0	14.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-B

Test Summary: PASS

Date / Time: 11/26/2022 03:20:08 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF2

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	120
Prop. Delay (ns), Limit 555	[Pair 3,6]	186
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	4.7	7.0	5.3
Freq. (MHz)	239.0	158.5	473.0	497.0
Limit (dB)	33.5	36.5	26.8	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	7.0	8.2	7.2
Freq. (MHz)	239.0	161.5	462.0	497.0
Limit (dB)	30.5	33.5	24.1	23.3

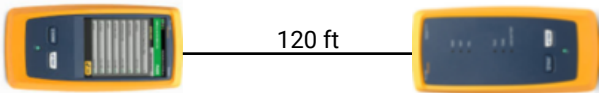
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	9.7	10.7	9.7
Freq. (MHz)	499.0	497.0	499.0	497.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.5	12.9	11.8
Freq. (MHz)	15.6	3.9	499.0	500.0
Limit (dB)	36.4	48.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.5	9.3	39.6	37.9
Freq. (MHz)	3.0	3.1	497.0	497.0
Limit (dB)	61.4	61.1	-23.0	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	10.7	40.7	38.4
Freq. (MHz)	3.0	3.1	500.0	497.0
Limit (dB)	58.4	58.3	-26.1	-25.8

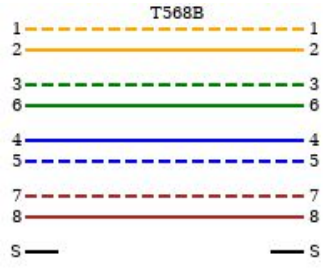
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.0	4.2	6.4	4.2
Freq. (MHz)	41.0	208.5	492.0	208.5
Limit (dB)	15.9	8.8	6.0	8.8

Compliant Network Standards:

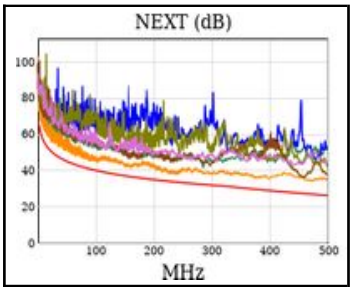
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

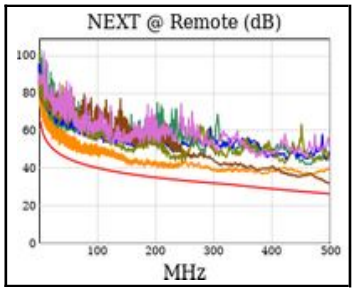


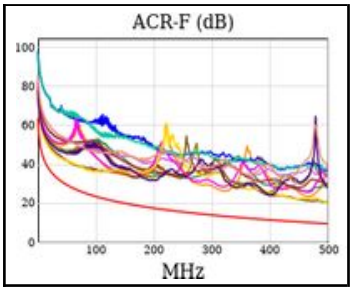
PASS

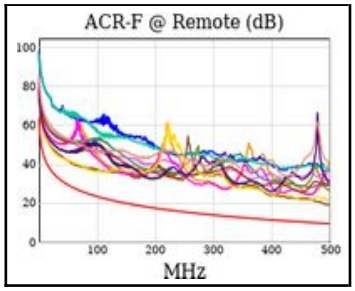


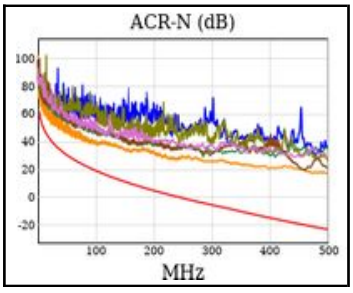


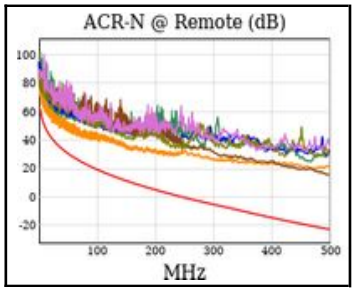


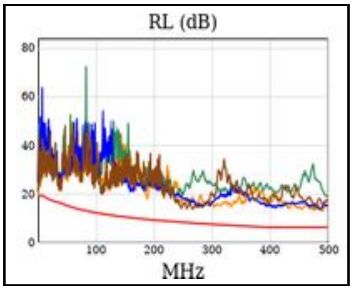


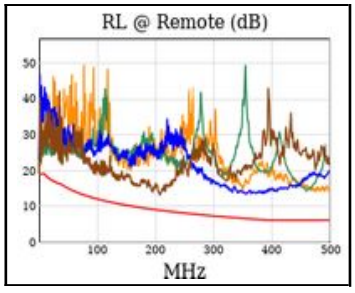












FLUKE networks

LinkWare Live

Cable ID: 118-A

Test Summary: PASS

Date / Time: 12/11/2022 12:21:02 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	250
Prop. Delay (ns), Limit 555	[Pair 4,5]	389
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	17.5
Insertion Loss Margin (dB)	[Pair 3,6]	16.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	4.0	9.2	4.7
Freq. (MHz)	232.5	292.0	492.0	473.0
Limit (dB)	33.7	31.9	26.3	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.7	4.3	10.5	6.2
Freq. (MHz)	3.8	292.0	463.0	472.0
Limit (dB)	61.0	29.0	24.1	23.9

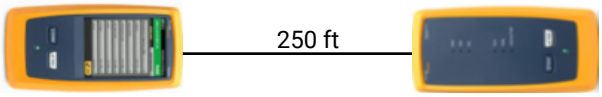
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.8	9.7	11.9	12.0
Freq. (MHz)	173.0	171.5	467.0	466.0
Limit (dB)	18.5	18.6	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.3	11.3	12.3
Freq. (MHz)	6.0	182.0	402.0	411.0
Limit (dB)	44.7	15.1	8.2	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.3	8.4	26.8	20.8
Freq. (MHz)	3.6	11.5	500.0	476.0
Limit (dB)	59.8	48.6	-23.2	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	9.1	27.6	22.3
Freq. (MHz)	3.6	11.5	495.0	473.0
Limit (dB)	57.3	46.0	-25.7	-24.0

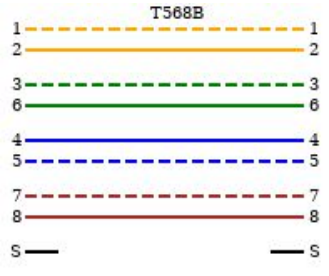
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.9	4.1	6.0	5.8
Freq. (MHz)	65.5	5.8	472.0	467.0
Limit (dB)	13.8	19.0	6.0	6.0

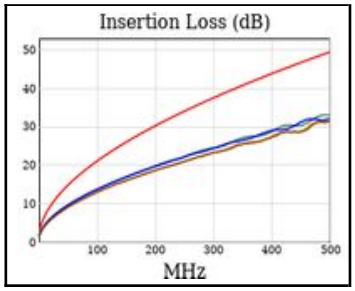
Compliant Network Standards:

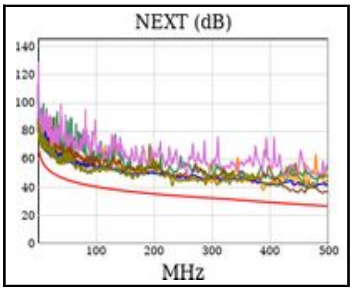
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

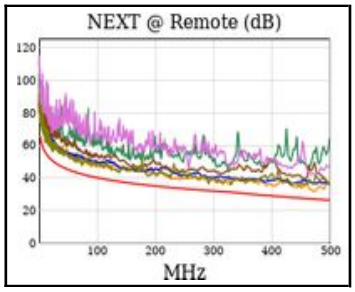


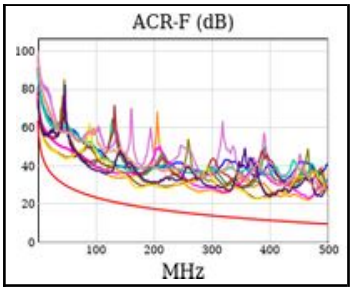
PASS

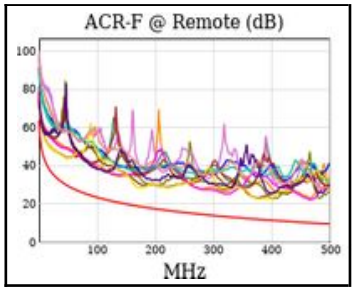


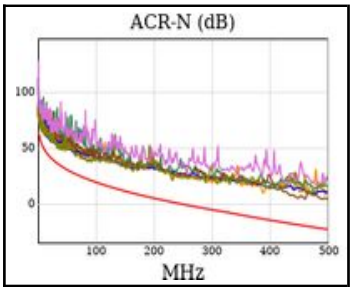


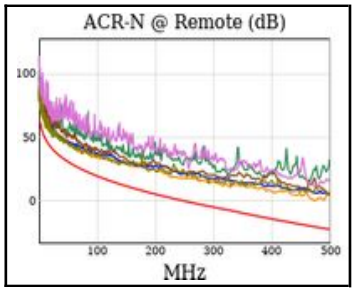


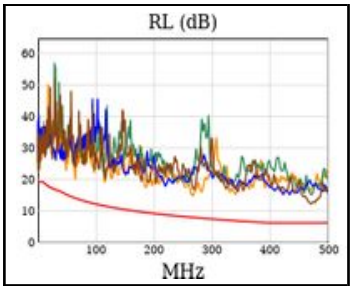


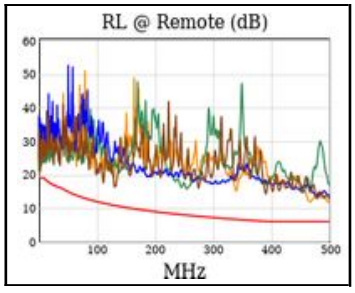












FLUKE networks

LinkWare Live

Cable ID: 118-B

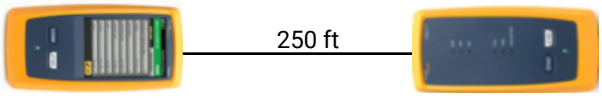
Test Summary: PASS

Date / Time: 12/11/2022 12:24:00 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

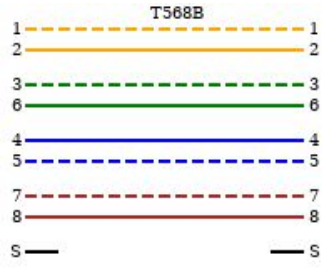
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

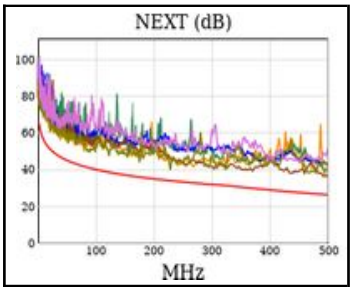
Length (ft), Limit 328	[Pair 7,8]	250
Prop. Delay (ns), Limit 555	[Pair 4,5]	388
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	17.4
Insertion Loss Margin (dB)	[Pair 3,6]	16.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

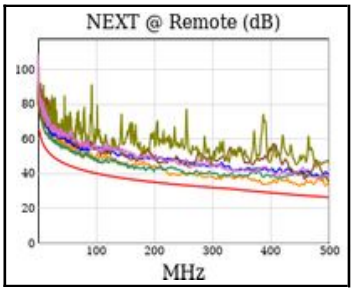


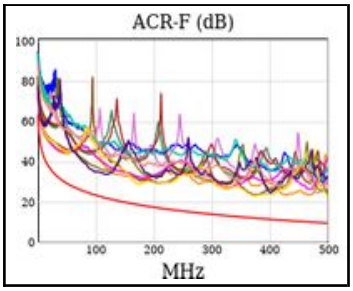
PASS

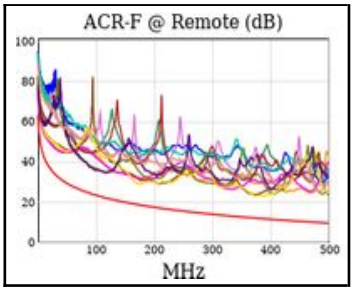


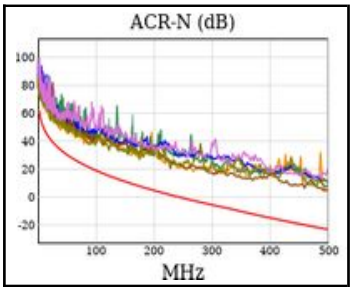


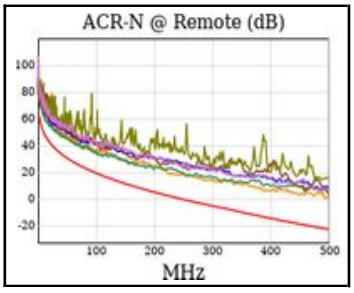


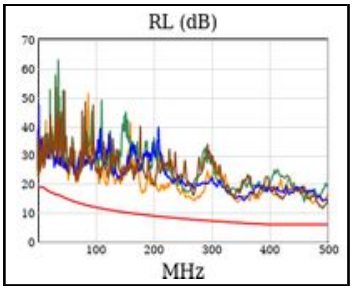


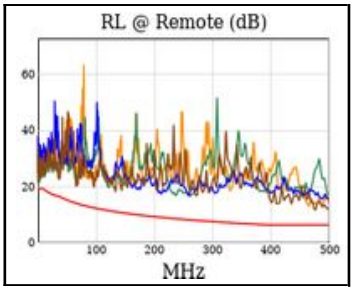












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	4.4	9.9	5.3
Freq. (MHz)	229.0	386.0	495.0	450.0
Limit (dB)	33.8	29.2	26.2	27.3
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	7.2	5.4	9.9	7.7
Freq. (MHz)	229.0	315.0	495.0	494.0
Limit (dB)	30.8	28.4	23.3	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.2	11.1	11.0
Freq. (MHz)	177.0	177.0	376.0	376.0
Limit (dB)	18.3	18.3	11.8	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	11.1	12.2	14.4
Freq. (MHz)	6.1	3.0	403.0	500.0
Limit (dB)	44.5	50.7	8.2	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	11.7	11.1	27.0	22.7
Freq. (MHz)	3.8	12.8	495.0	494.0
Limit (dB)	59.5	47.5	-22.8	-22.7
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.7	10.9	26.1	24.3
Freq. (MHz)	3.8	9.6	495.0	497.0
Limit (dB)	57.0	47.9	-25.7	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	5.6	3.5	5.6	5.4
Freq. (MHz)	492.0	5.8	492.0	478.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-B

Test Summary: PASS

Date / Time: 11/22/2022 12:44:55 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	109
Prop. Delay (ns), Limit 555	[Pair 3,6]	169
Delay Skew (ns), Limit 50	[Pair 3,6]	6
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	32.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.9	4.8	4.0	5.9
Freq. (MHz)	454.0	391.0	461.0	468.0
Limit (dB)	27.2	29.0	27.1	26.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	6.3	4.1	7.4	6.4
Freq. (MHz)	454.0	318.0	500.0	454.0
Limit (dB)	24.3	28.3	23.2	24.3

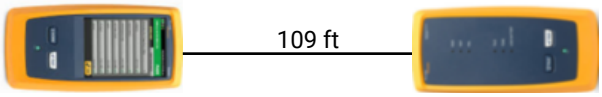
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	10.0	10.4	10.1
Freq. (MHz)	398.0	452.0	500.0	496.0
Limit (dB)	11.3	10.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.3	11.0	10.3
Freq. (MHz)	1.4	471.0	479.0	471.0
Limit (dB)	57.5	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	9.7	9.8	37.1	39.0
Freq. (MHz)	3.1	3.1	461.0	468.0
Limit (dB)	61.1	61.1	-20.1	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	10.9	40.1	39.4
Freq. (MHz)	3.3	3.1	500.0	468.0
Limit (dB)	58.2	58.3	-26.1	-23.6

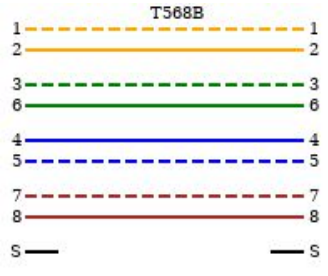
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.8	7.1	6.6	7.1
Freq. (MHz)	114.5	35.5	411.0	495.0
Limit (dB)	11.4	16.2	6.0	6.0

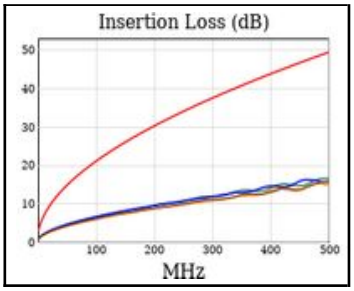
Compliant Network Standards:

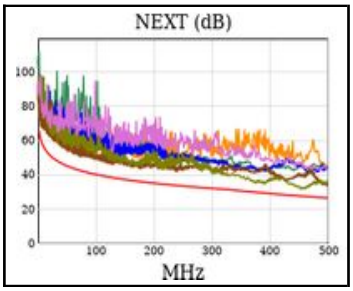
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

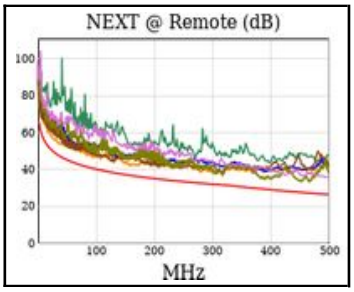


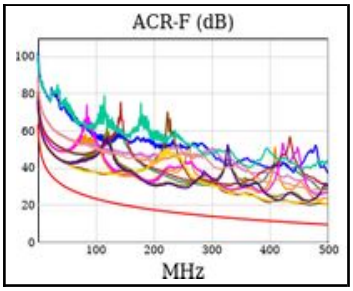
PASS

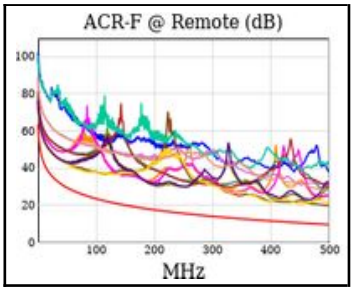


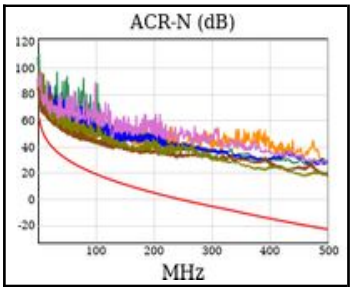


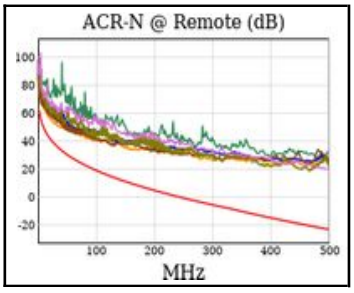


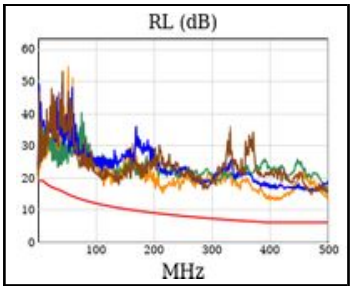


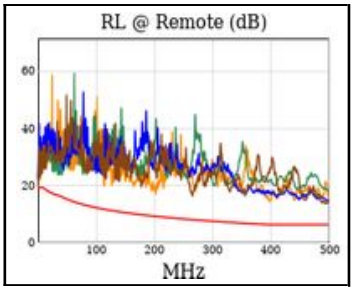












FLUKE networks

LinkWare Live

Cable ID: 118-A

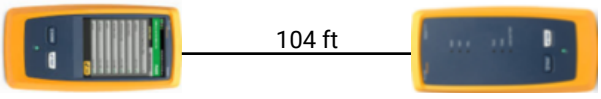
Test Summary: PASS

Date / Time: 11/19/2022 05:31:20 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

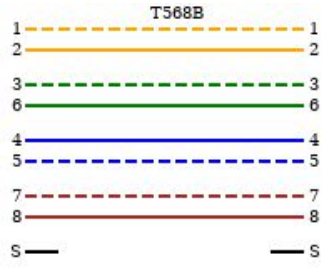
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

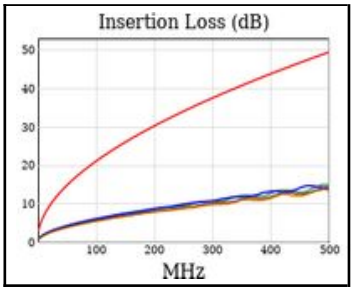
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	104
Prop. Delay (ns), Limit 555	[Pair 4,5]	165
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 4,5]	4.8
Insertion Loss Margin (dB)	[Pair 3,6]	34.1
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

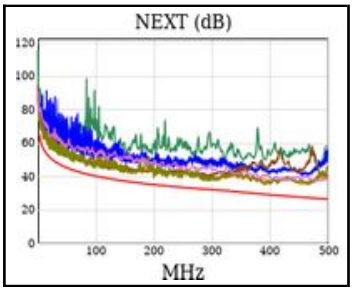


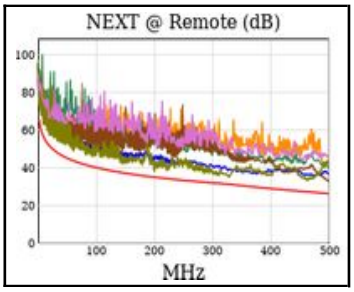
PASS



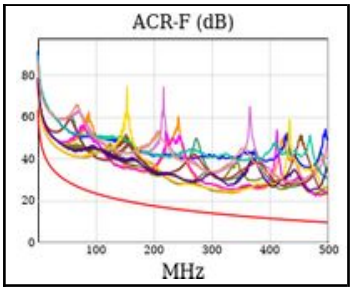


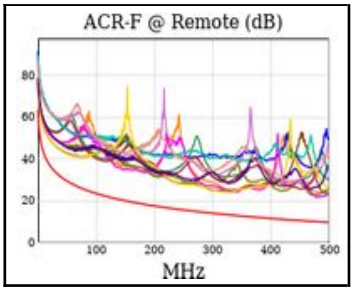
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	3.1	5.4	6.2
Freq. (MHz)	201.0	201.0	392.0	500.0
Limit (dB)	34.7	34.7	29.0	26.1
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.2	5.1	7.9	7.0
Freq. (MHz)	145.5	329.0	465.0	466.0
Limit (dB)	34.3	28.1	24.1	24.0



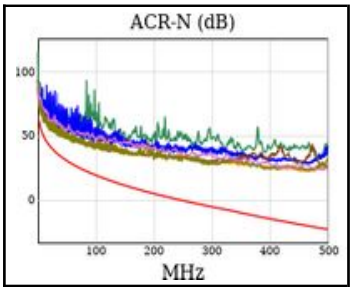


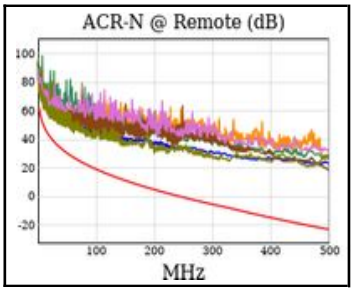
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.5	10.6	12.5	11.7
Freq. (MHz)	332.0	320.0	486.0	482.0
Limit (dB)	12.8	13.2	9.5	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.9	10.2	11.8
Freq. (MHz)	331.0	325.0	337.0	492.0
Limit (dB)	9.9	10.0	9.7	6.4



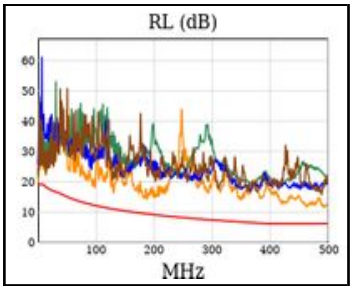


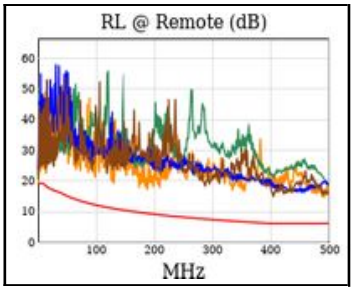
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.3	10.9	42.5	41.3
Freq. (MHz)	3.1	3.1	469.0	500.0
Limit (dB)	61.1	61.1	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	10.4	42.0	42.7
Freq. (MHz)	6.3	3.3	465.0	500.0
Limit (dB)	52.2	58.2	-23.3	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.9	7.7	5.3	7.9
Freq. (MHz)	189.5	189.0	496.0	493.0
Limit (dB)	9.2	9.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 118-B

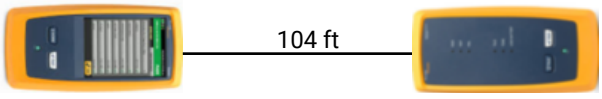
Test Summary: PASS

Date / Time: 11/19/2022 05:31:41 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

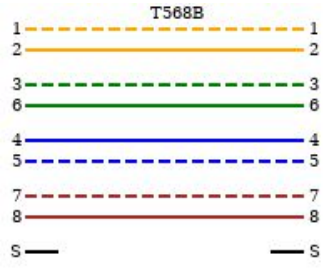
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

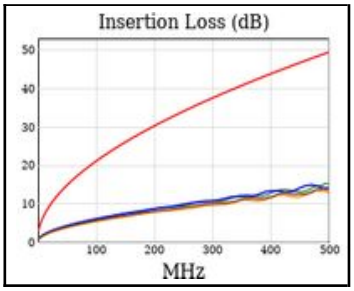
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

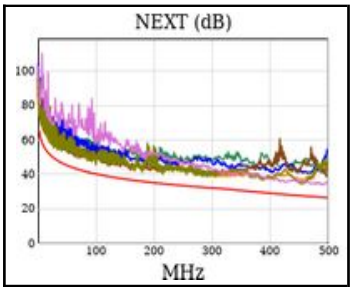
Length (ft), Limit 328	[Pair 1,2]	104
Prop. Delay (ns), Limit 555	[Pair 4,5]	165
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 4,5]	4.8
Insertion Loss Margin (dB)	[Pair 3,6]	33.9
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

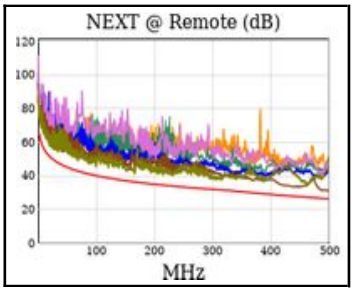


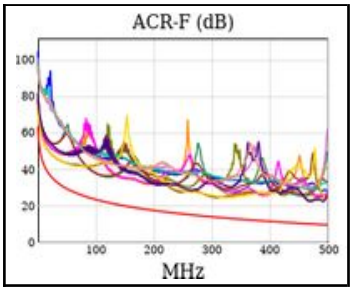
PASS

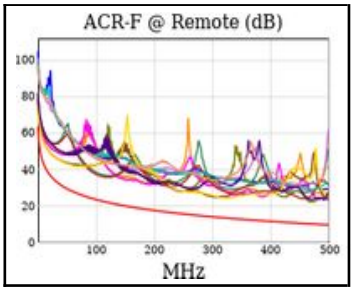


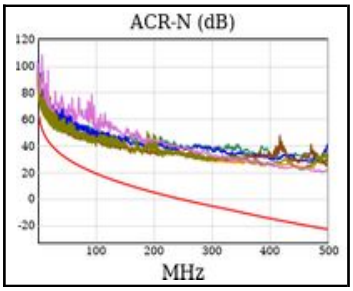


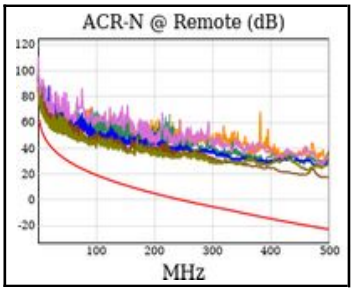


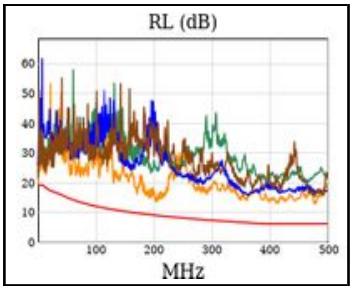


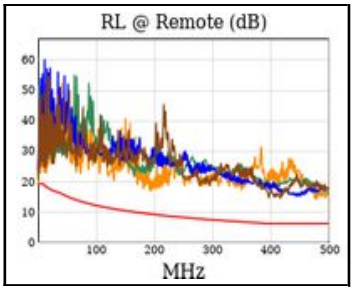












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	4,5-7,8	3,6-4,5
NEXT (dB)	5.2	4.5	7.1	4.7
Freq. (MHz)	216.0	488.0	489.0	499.0
Limit (dB)	34.2	26.4	26.4	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.3	6.3	7.1	6.5
Freq. (MHz)	167.5	167.0	464.0	488.0
Limit (dB)	33.2	33.2	24.1	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.8	10.6	12.6	11.9
Freq. (MHz)	311.0	323.0	492.0	471.0
Limit (dB)	13.4	13.1	9.4	9.8
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.2	11.8	12.1	12.7
Freq. (MHz)	335.0	323.0	494.0	497.0
Limit (dB)	9.8	10.1	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.3	10.2	42.0	39.9
Freq. (MHz)	3.3	3.4	489.0	499.0
Limit (dB)	60.7	60.4	-22.3	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.3	10.8	43.7	41.1
Freq. (MHz)	3.3	3.4	490.0	499.0
Limit (dB)	58.2	57.9	-25.3	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.5	7.6	6.4	7.6
Freq. (MHz)	206.5	477.0	477.0	477.0
Limit (dB)	8.9	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-1-A

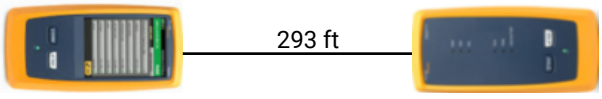
Test Summary: PASS

Date / Time: 11/25/2022 03:49:40 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

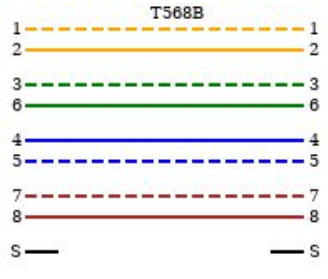
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

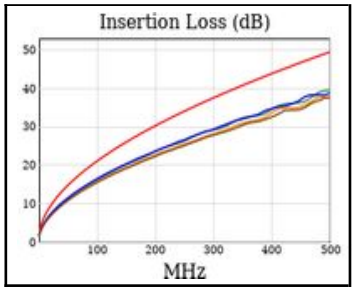
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	454
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	13.9
Insertion Loss Margin (dB)	[Pair 3,6]	9.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

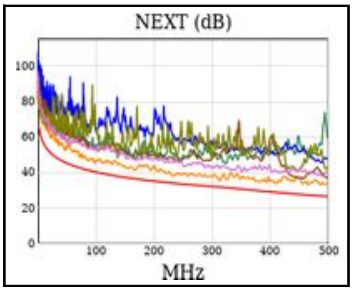


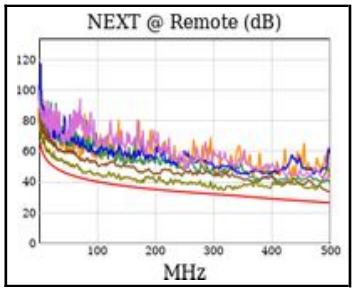
PASS



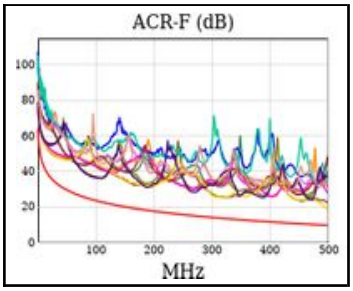


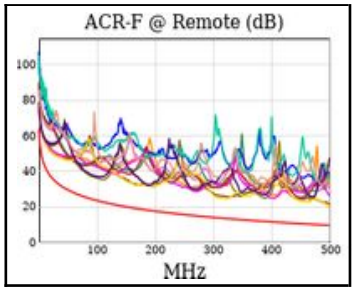
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.4	2.7	5.5	7.4
Freq. (MHz)	314.0	319.0	466.0	499.0
Limit (dB)	31.4	31.3	26.9	26.1
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	6.1	5.1	6.8	9.0
Freq. (MHz)	314.0	318.0	457.0	500.0
Limit (dB)	28.4	28.3	24.3	23.2



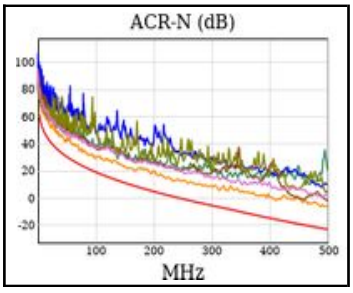


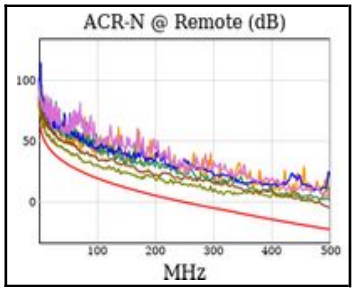
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	10.1	9.4	10.1
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.8	11.9	12.0	12.7
Freq. (MHz)	5.0	2.6	500.0	500.0
Limit (dB)	46.3	51.9	6.3	6.3



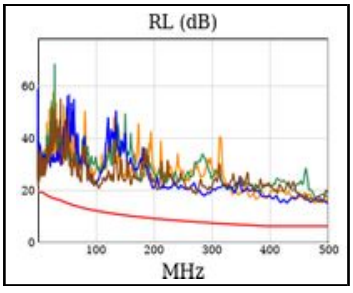


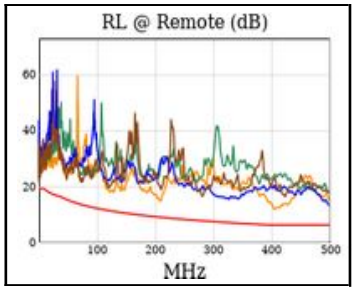
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	6.7	15.7	18.1
Freq. (MHz)	72.3	6.6	488.0	500.0
Limit (dB)	24.7	54.2	-22.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	7.7	17.9	19.5
Freq. (MHz)	6.4	6.6	500.0	500.0
Limit (dB)	52.0	51.7	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.2	5.3	8.8	5.7
Freq. (MHz)	8.5	5.0	478.0	405.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-1-B

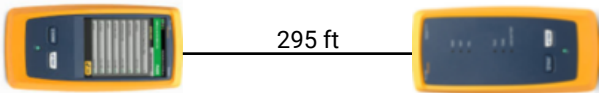
Test Summary: PASS

Date / Time: 11/25/2022 03:51:06 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

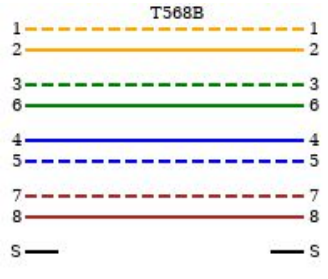
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

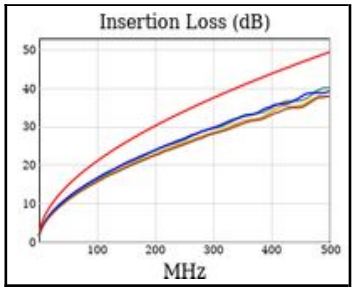
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	295
Prop. Delay (ns), Limit 555	[Pair 4,5]	459
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	13.8
Insertion Loss Margin (dB)	[Pair 3,6]	9.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

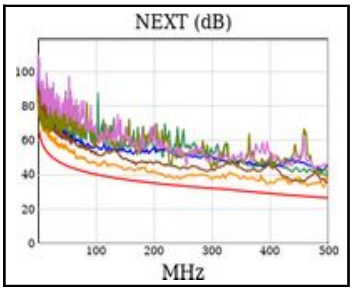


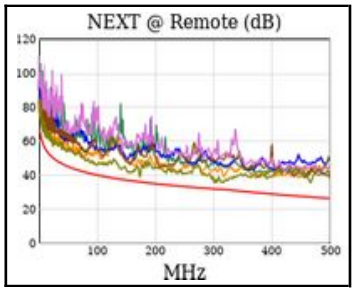
PASS



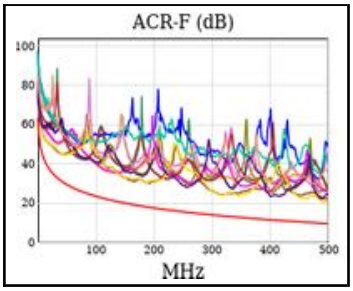


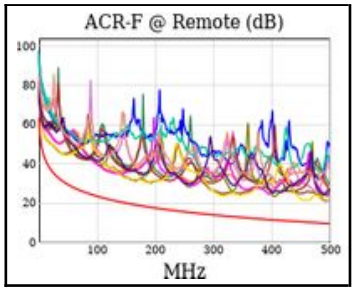
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.9	3.0	6.0	3.3
Freq. (MHz)	245.5	174.5	493.0	302.0
Limit (dB)	33.3	35.8	26.3	31.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	5.2	7.4	5.3
Freq. (MHz)	246.0	174.5	494.0	318.0
Limit (dB)	30.3	32.9	23.4	28.3



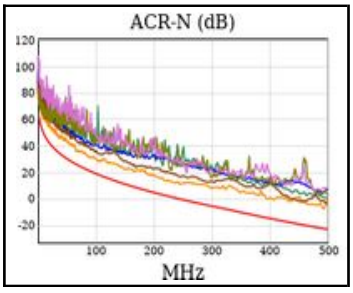


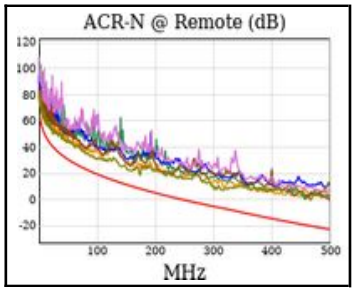
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.1	10.7	11.3
Freq. (MHz)	316.0	316.0	496.0	495.0
Limit (dB)	13.3	13.3	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.6	11.1	11.5
Freq. (MHz)	1.5	3.8	491.0	497.0
Limit (dB)	56.7	48.8	6.4	6.3



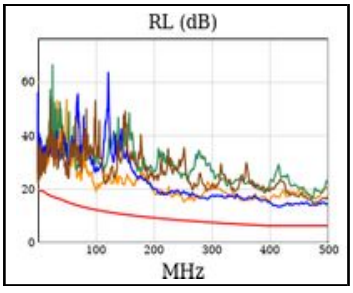


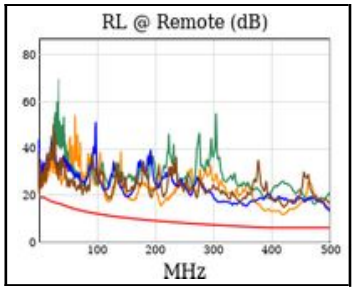
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	9.5	8.2	15.0	20.9
Freq. (MHz)	4.4	6.6	493.0	500.0
Limit (dB)	58.1	54.2	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	7.9	16.4	21.2
Freq. (MHz)	4.4	5.5	494.0	500.0
Limit (dB)	55.6	53.4	-25.6	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	5.7	4.5	7.0	5.5
Freq. (MHz)	7.4	7.4	417.0	421.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-2-A

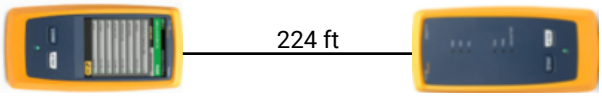
Test Summary: PASS

Date / Time: 11/25/2022 04:15:22 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

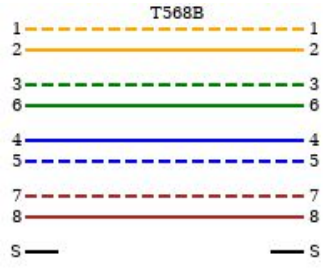
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	224
Prop. Delay (ns), Limit 555	[Pair 4,5]	349
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	18.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

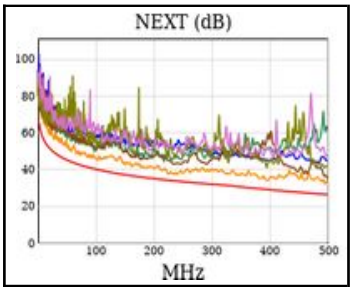


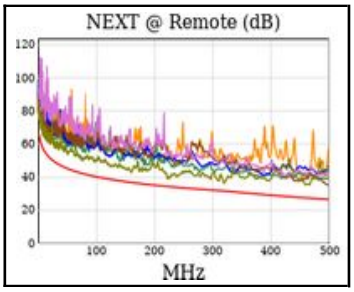
PASS



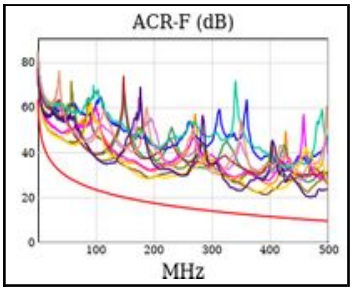


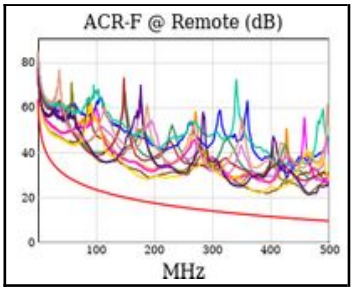
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.4	4.5	5.6	8.7
Freq. (MHz)	226.5	321.0	495.0	500.0
Limit (dB)	33.9	31.2	26.2	26.1
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	5.1	7.0	6.7	8.3
Freq. (MHz)	236.5	321.0	495.0	463.0
Limit (dB)	30.6	28.2	23.3	24.1



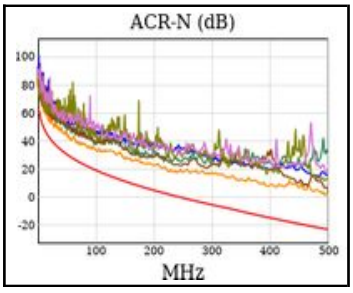


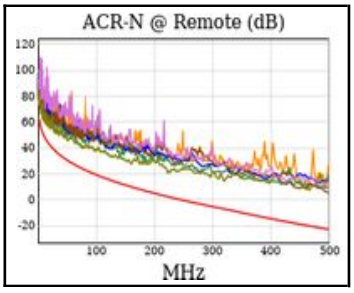
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	9.7	10.0	10.1	11.0
Freq. (MHz)	393.0	187.5	472.0	467.0
Limit (dB)	11.4	17.8	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.8	12.7	11.8
Freq. (MHz)	6.4	3.4	473.0	394.0
Limit (dB)	44.2	49.7	6.8	8.3



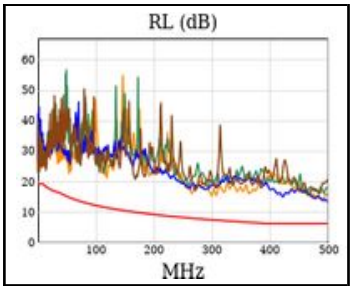


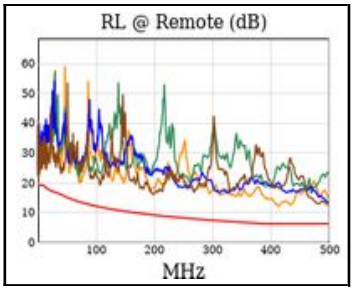
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.7	9.9	23.7	28.1
Freq. (MHz)	7.1	5.8	495.0	500.0
Limit (dB)	53.5	55.6	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	10.4	24.8	28.2
Freq. (MHz)	4.3	5.8	495.0	495.0
Limit (dB)	55.8	53.0	-25.7	-25.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	5.2	5.4	7.3	6.0
Freq. (MHz)	14.4	8.3	500.0	415.0
Limit (dB)	18.2	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-2-B

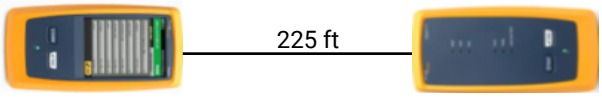
Test Summary: PASS

Date / Time: 11/25/2022 04:16:06 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

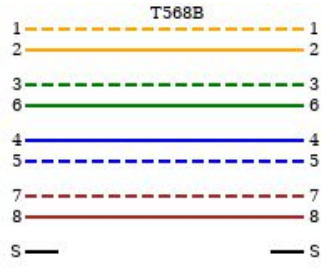
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

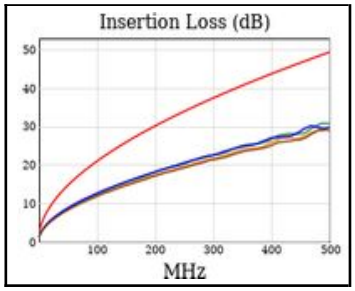
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	225
Prop. Delay (ns), Limit 555	[Pair 4,5]	350
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	18.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

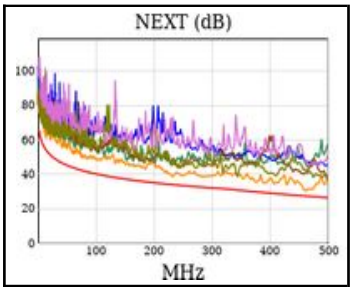


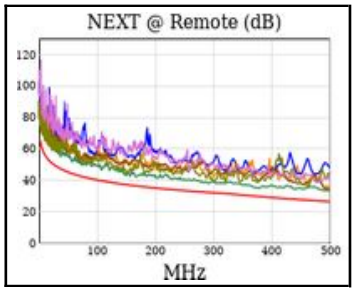
PASS



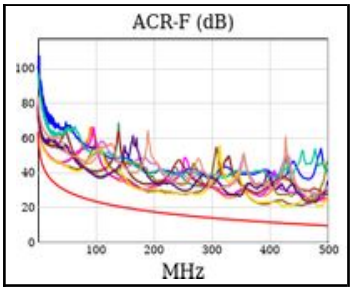


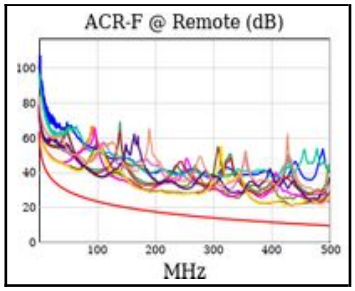
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.9	5.2	2.9	6.8
Freq. (MHz)	463.0	379.0	463.0	499.0
Limit (dB)	27.0	29.4	27.0	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.1	6.6	5.1	6.9
Freq. (MHz)	463.0	379.0	463.0	498.0
Limit (dB)	24.1	26.4	24.1	23.3



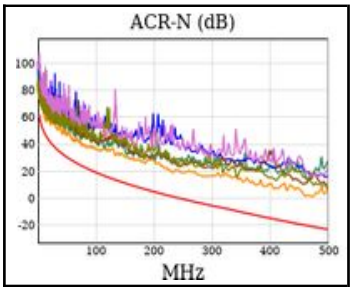


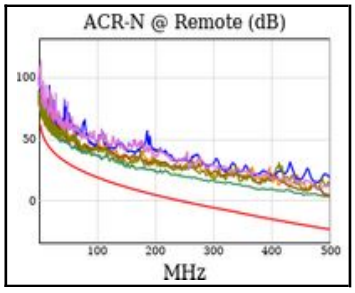
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.3	10.7	10.3
Freq. (MHz)	426.0	426.0	487.0	426.0
Limit (dB)	10.7	10.7	9.5	10.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.2	11.1	11.3
Freq. (MHz)	8.0	8.0	484.0	478.0
Limit (dB)	42.2	42.2	6.6	6.7



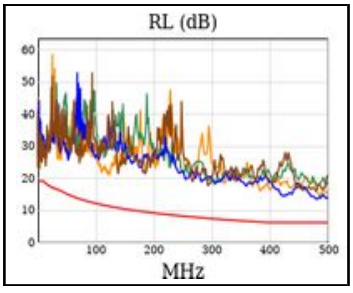


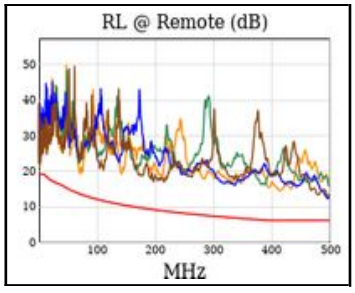
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	10.4	10.6	22.2	25.6
Freq. (MHz)	15.3	5.8	474.0	492.0
Limit (dB)	45.6	55.6	-21.2	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	9.4	24.4	25.8
Freq. (MHz)	3.0	4.3	475.0	499.0
Limit (dB)	58.4	55.8	-24.1	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	4,5
RL (dB)	5.5	5.6	7.3	6.1
Freq. (MHz)	14.4	8.3	482.0	497.0
Limit (dB)	18.2	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-3-A

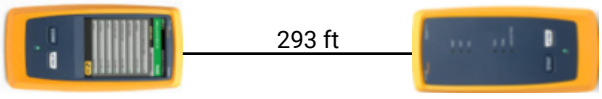
Test Summary: PASS

Date / Time: 11/25/2022 04:08:46 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

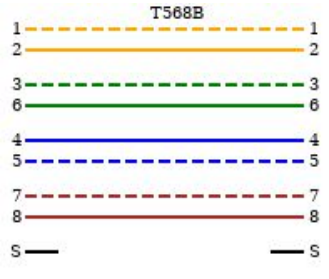
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

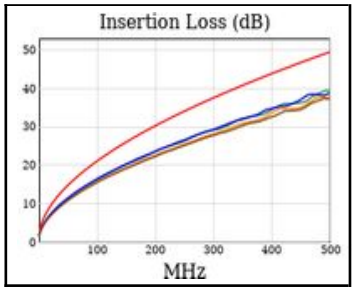
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

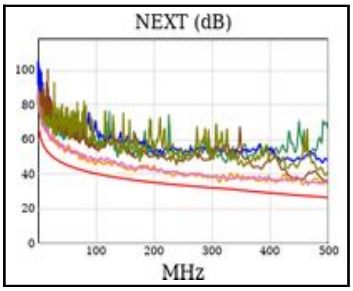
Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	454
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	14.5
Insertion Loss Margin (dB)	[Pair 3,6]	9.9
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

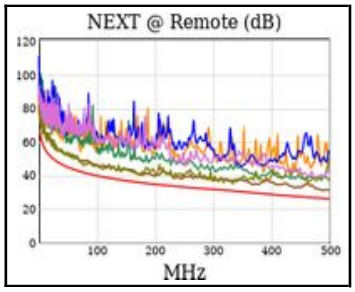


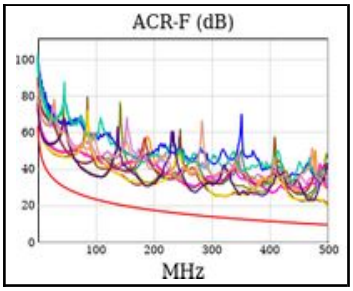
PASS

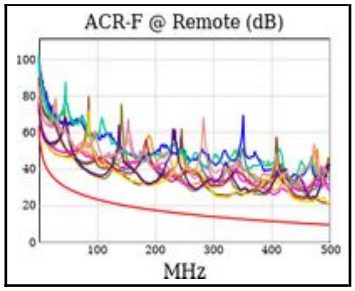


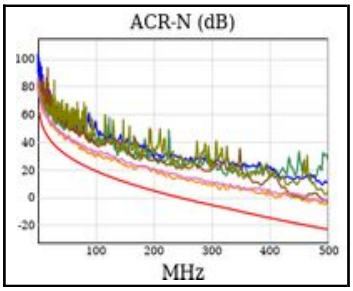


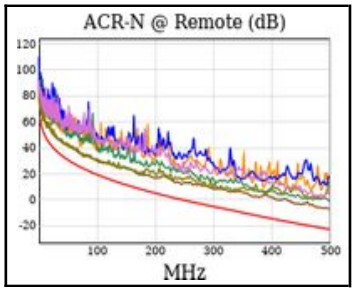


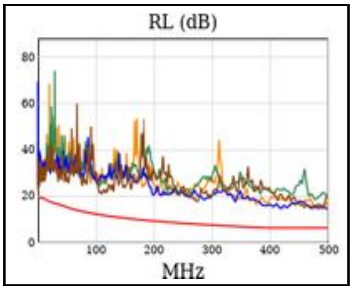


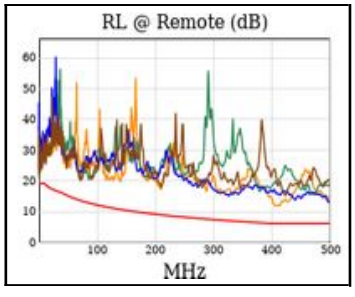












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.5	4.0	6.3	4.7
Freq. (MHz)	314.0	334.0	466.0	490.0
Limit (dB)	31.4	30.9	26.9	26.3
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	6.4	4.5	7.8	6.3
Freq. (MHz)	314.0	177.0	495.0	490.0
Limit (dB)	28.4	32.8	23.3	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.3	9.8	10.3
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.9	11.1	12.4	12.9
Freq. (MHz)	1.4	6.0	500.0	500.0
Limit (dB)	57.5	44.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	6.8	17.5	15.7
Freq. (MHz)	72.3	6.6	495.0	500.0
Limit (dB)	24.7	54.2	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	6.7	17.5	16.4
Freq. (MHz)	6.6	4.4	495.0	490.0
Limit (dB)	51.7	55.6	-25.7	-25.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	1,2
RL (dB)	6.8	4.7	8.3	5.8
Freq. (MHz)	5.0	6.3	500.0	415.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-A

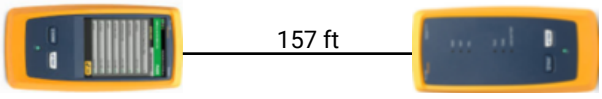
Test Summary: PASS

Date / Time: 11/26/2022 06:39:43 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

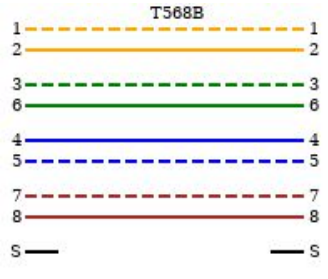
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	27.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

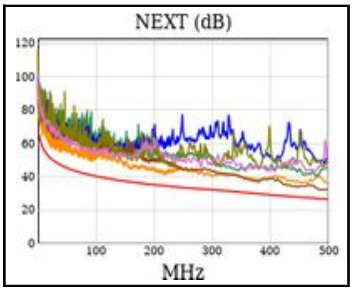


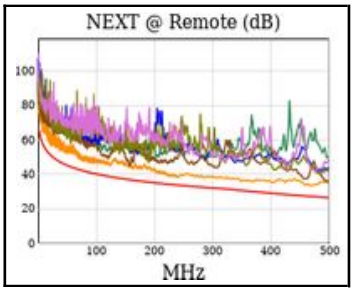
PASS



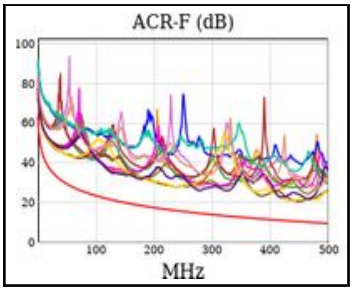


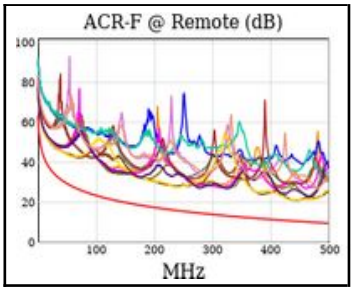
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	4.4	5.4	6.1
Freq. (MHz)	488.0	241.5	494.0	470.0
Limit (dB)	26.4	33.4	26.2	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	6.8	7.0	7.5
Freq. (MHz)	499.0	228.0	499.0	461.0
Limit (dB)	23.3	30.9	23.3	24.2



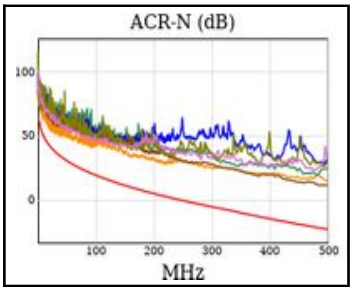


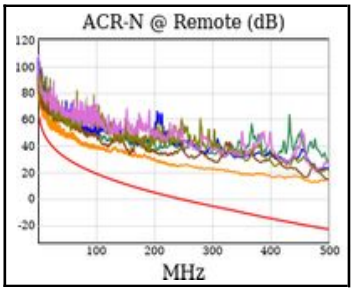
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	10.2	10.0	10.2
Freq. (MHz)	449.0	447.0	449.0	447.0
Limit (dB)	10.2	10.3	10.2	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.5	11.3	11.9
Freq. (MHz)	427.0	11.8	469.0	460.0
Limit (dB)	7.6	38.9	6.8	7.0



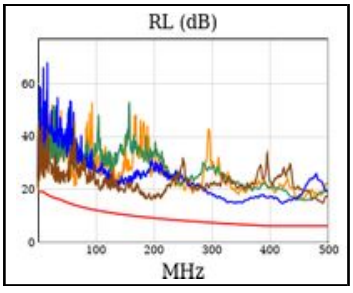


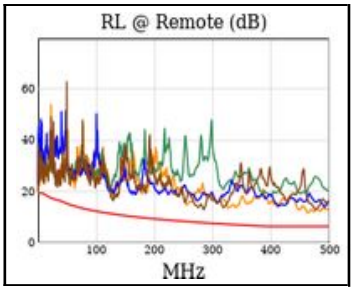
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	10.3	33.7	34.2
Freq. (MHz)	4.4	8.9	494.0	482.0
Limit (dB)	58.1	51.3	-22.7	-21.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	11.8	34.9	36.6
Freq. (MHz)	4.4	4.3	499.0	500.0
Limit (dB)	55.6	55.8	-26.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.0	4.8	8.5	5.3
Freq. (MHz)	33.3	33.3	491.0	465.0
Limit (dB)	16.4	16.4	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-B

Test Summary: PASS

Date / Time: 11/26/2022 06:40:41 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	156
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	27.0
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.3	3.8	5.4	5.8
Freq. (MHz)	22.4	236.0	500.0	473.0
Limit (dB)	50.8	33.5	26.1	26.8
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	5.8	5.9	7.4	7.7
Freq. (MHz)	22.4	236.0	500.0	473.0
Limit (dB)	48.2	30.6	23.2	23.9

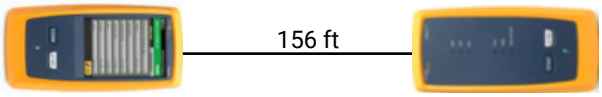
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	11.0	10.9	11.9	12.9
Freq. (MHz)	5.1	5.0	467.0	467.0
Limit (dB)	49.1	49.3	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.6	12.2	13.0
Freq. (MHz)	5.1	5.0	469.0	471.0
Limit (dB)	46.1	46.3	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	10.1	33.8	32.8
Freq. (MHz)	22.4	2.4	500.0	473.0
Limit (dB)	41.1	61.7	-23.2	-21.1
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	11.3	12.1	35.2	36.7
Freq. (MHz)	15.5	2.4	500.0	500.0
Limit (dB)	42.8	58.7	-26.1	-26.1

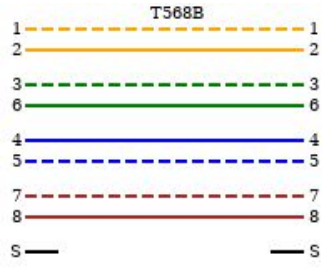
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	3.8	4.2	7.7	4.2
Freq. (MHz)	131.5	487.0	349.0	487.0
Limit (dB)	10.8	6.0	6.6	6.0

Compliant Network Standards:

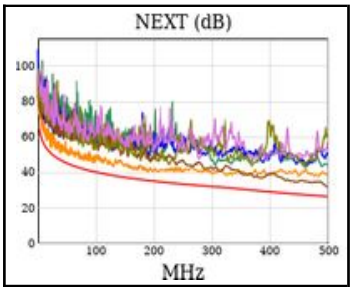
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

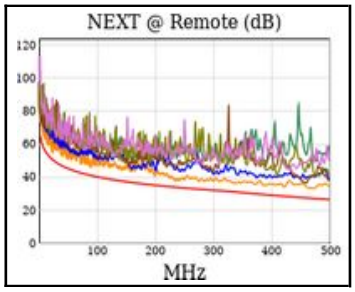


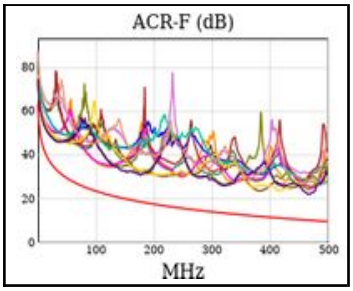
PASS

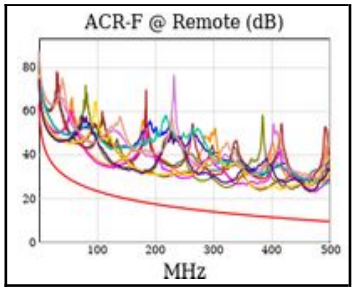


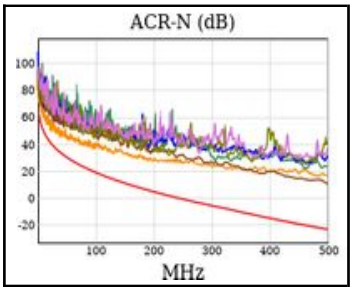


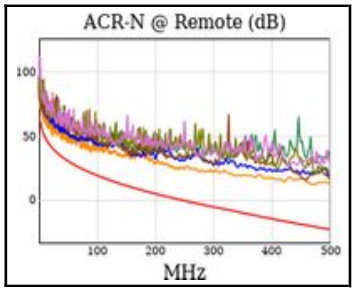


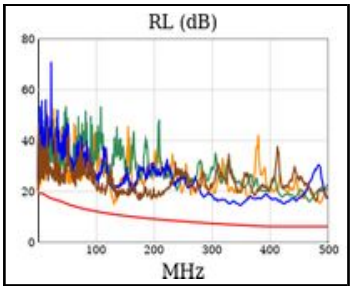


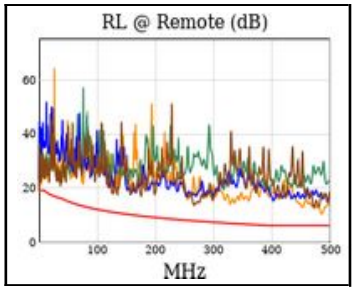












FLUKE networks

LinkWare Live

Cable ID: 119-3-B

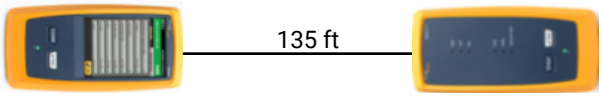
Test Summary: PASS

Date / Time: 12/17/2022 04:38:05 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

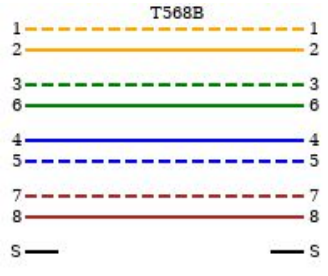
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

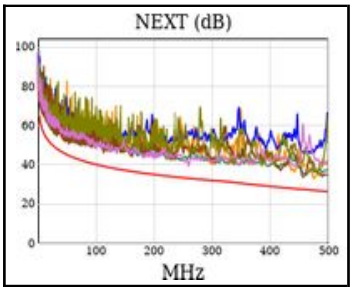
Length (ft), Limit 328	[Pair 7,8]	135
Prop. Delay (ns), Limit 555	[Pair 4,5]	211
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	485.0
Limit (dB)	[Pair 3,6]	48.5

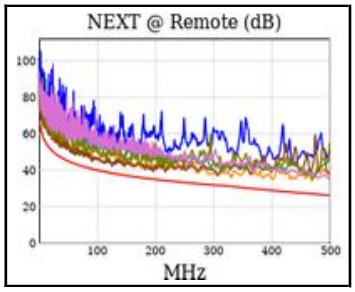


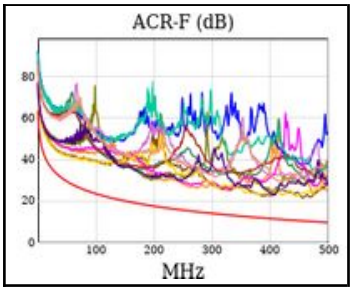
PASS

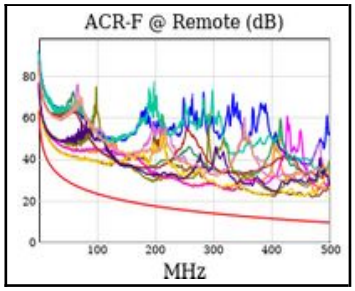


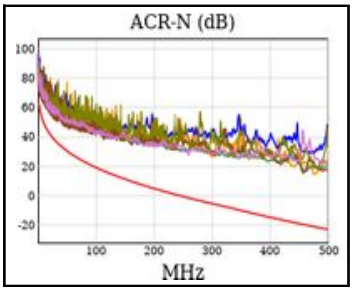


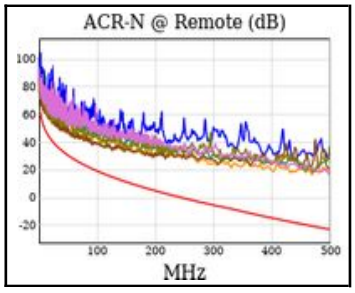


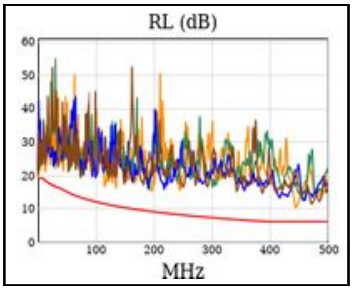


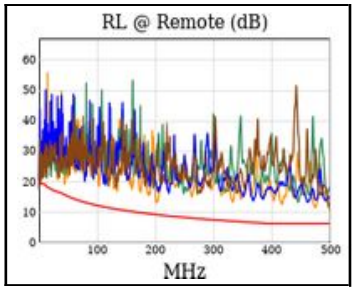












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	5.7	3.6	5.9	7.1
Freq. (MHz)	54.3	127.0	477.0	470.0
Limit (dB)	44.4	38.2	26.7	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	4.5	6.5	7.2
Freq. (MHz)	477.0	176.0	477.0	470.0
Limit (dB)	23.8	32.8	23.8	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.5	11.0	11.9
Freq. (MHz)	24.0	24.0	457.0	472.0
Limit (dB)	35.7	35.7	10.1	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.5	12.8	11.2
Freq. (MHz)	13.6	3.1	476.0	406.0
Limit (dB)	37.6	50.4	6.7	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	4,5-7,8
ACR-N (dB)	9.4	8.5	35.3	39.2
Freq. (MHz)	2.5	4.6	477.0	500.0
Limit (dB)	61.7	57.6	-21.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.1	35.9	37.1
Freq. (MHz)	4.9	4.6	482.0	470.0
Limit (dB)	54.6	55.1	-24.7	-23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.2	3.4	4.2	4.4
Freq. (MHz)	446.0	45.0	446.0	500.0
Limit (dB)	6.0	15.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-1-A

Test Summary: PASS

Date / Time: 12/17/2022 05:11:53 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	290
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	13.9
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.1	5.1	5.1	7.3
Freq. (MHz)	500.0	312.0	500.0	497.0
Limit (dB)	26.1	31.5	26.1	26.2
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.7	4.9	6.7	5.6
Freq. (MHz)	500.0	312.0	500.0	398.0
Limit (dB)	23.2	28.5	23.2	25.8

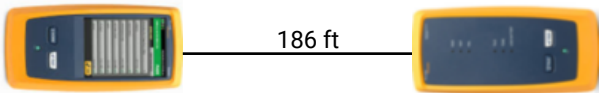
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.6	9.6	10.1	11.3
Freq. (MHz)	309.0	254.0	500.0	500.0
Limit (dB)	13.5	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.9	12.7	12.1
Freq. (MHz)	263.0	254.0	500.0	467.0
Limit (dB)	11.9	12.2	6.3	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.7	9.7	30.4	31.4
Freq. (MHz)	3.4	3.4	500.0	497.0
Limit (dB)	60.4	60.4	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	9.4	31.5	33.1
Freq. (MHz)	3.4	3.4	500.0	497.0
Limit (dB)	57.9	57.9	-26.1	-25.8

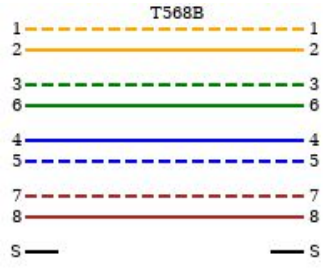
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.1	4.9	6.1	8.0
Freq. (MHz)	497.0	9.9	497.0	424.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

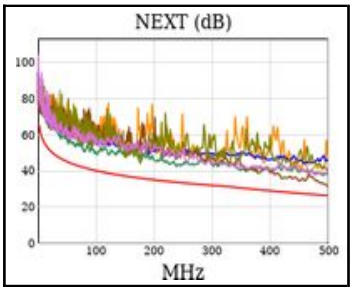
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

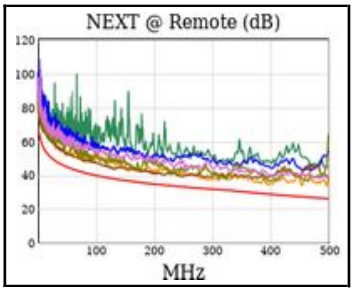


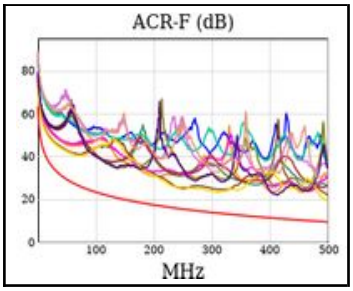
PASS

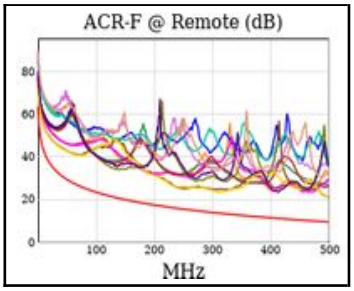


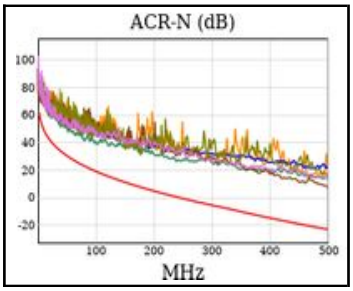


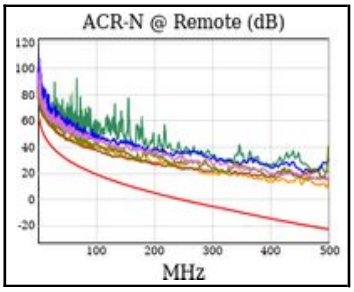


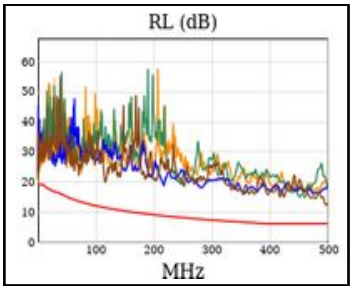


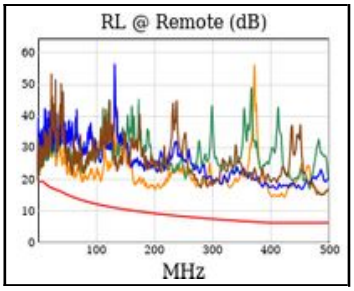












FLUKE networks

LinkWare Live

Cable ID: 120-1-B

Test Summary: PASS

Date / Time: 12/17/2022 05:13:58 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	289
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 4,5]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.9	4.6	6.2	5.0
Freq. (MHz)	483.0	296.0	500.0	404.0
Limit (dB)	26.5	31.8	26.1	28.6
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.8	4.3	7.1	6.0
Freq. (MHz)	484.0	296.0	499.0	401.0
Limit (dB)	23.6	28.9	23.3	25.8

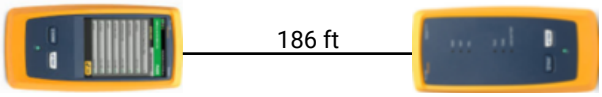
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	10.3	10.2	10.3
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.9	11.0	12.4	12.9
Freq. (MHz)	5.9	5.9	500.0	499.0
Limit (dB)	44.9	44.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	8.4	31.4	31.6
Freq. (MHz)	3.5	3.5	500.0	479.0
Limit (dB)	60.1	60.1	-23.2	-21.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.7	8.7	32.5	32.6
Freq. (MHz)	3.5	3.5	500.0	478.0
Limit (dB)	57.6	57.6	-26.1	-24.4

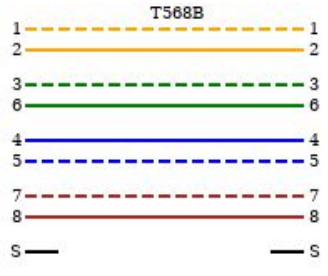
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.4	4.8	7.4	6.7
Freq. (MHz)	492.0	78.5	492.0	405.0
Limit (dB)	6.0	13.1	6.0	6.0

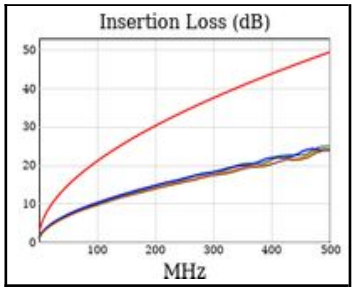
Compliant Network Standards:

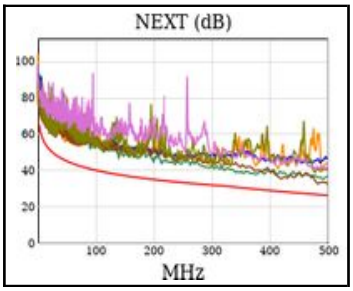
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

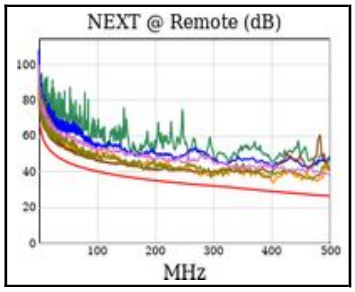


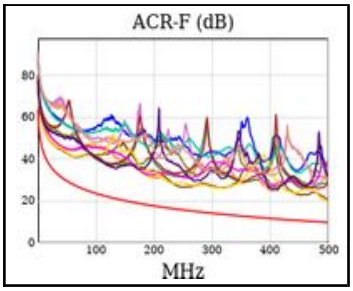
PASS

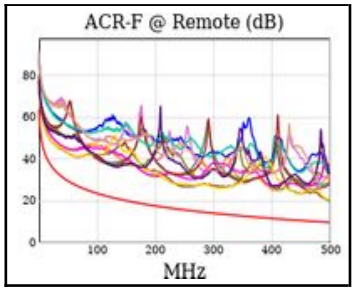


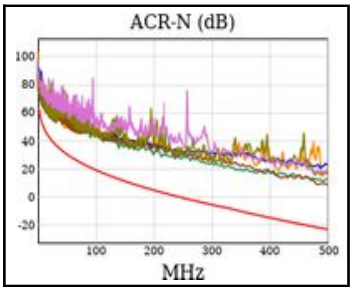


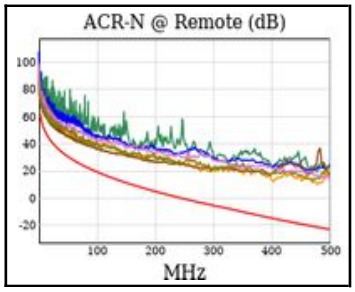


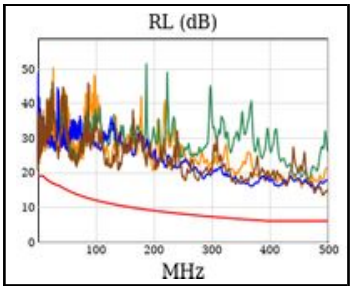


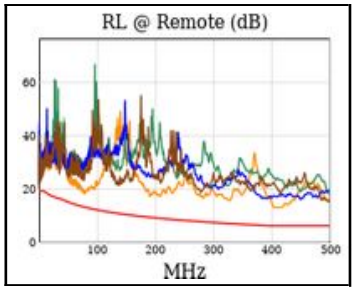












FLUKE networks

LinkWare Live

Cable ID: 119-A

Test Summary: PASS

Date / Time: 12/19/2022 02:10:17 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	329
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	2.6	5.8	2.6	6.6
Freq. (MHz)	298.0	3.0	298.0	487.0
Limit (dB)	31.8	65.0	31.8	26.4
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	3.2	6.7	3.2	6.7
Freq. (MHz)	298.0	487.0	298.0	487.0
Limit (dB)	28.8	23.5	28.8	23.5

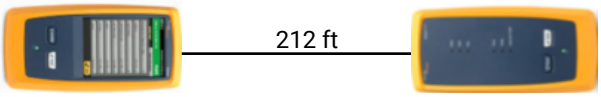
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.3	9.8	10.6	9.8
Freq. (MHz)	461.0	448.0	481.0	448.0
Limit (dB)	10.0	10.2	9.6	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.6	10.2	11.2
Freq. (MHz)	484.0	5.3	484.0	481.0
Limit (dB)	6.6	45.9	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	6.4	7.5	29.0	28.5
Freq. (MHz)	3.0	3.0	494.0	500.0
Limit (dB)	61.4	61.4	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.5	9.2	31.2	27.6
Freq. (MHz)	4.5	4.6	495.0	487.0
Limit (dB)	55.3	55.1	-25.7	-25.1

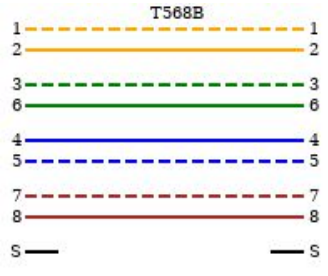
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.8	5.0	7.9	6.7
Freq. (MHz)	345.0	8.6	500.0	491.0
Limit (dB)	6.6	19.0	6.0	6.0

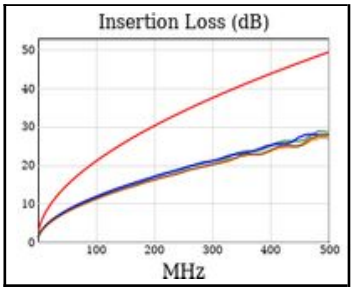
Compliant Network Standards:

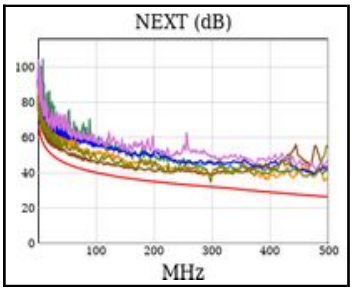
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

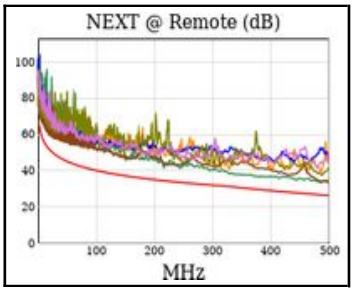


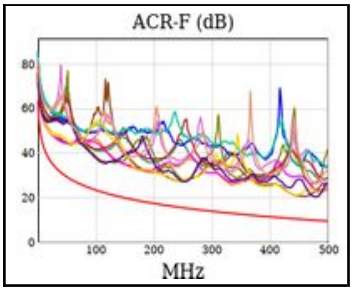
PASS

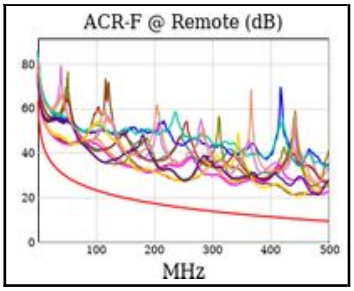


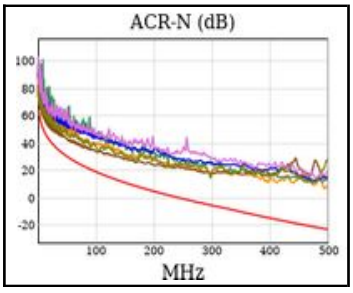


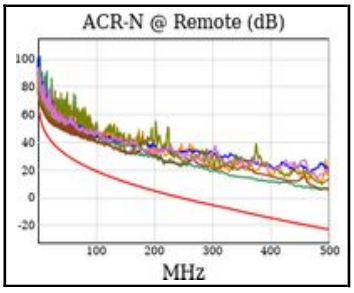


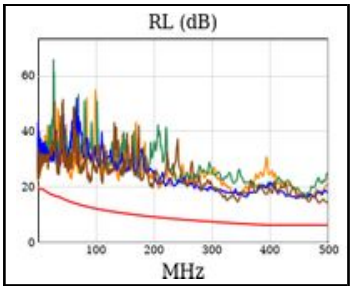


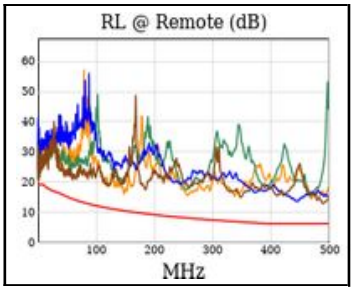












FLUKE networks

LinkWare Live

Cable ID: 119-B

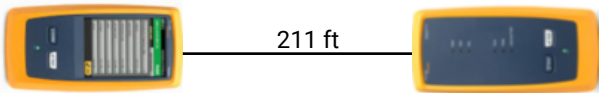
Test Summary: PASS

Date / Time: 12/19/2022 02:12:25 PM
Headroom: 6.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

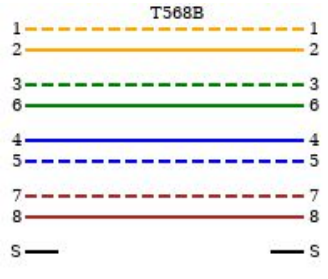
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	211
Prop. Delay (ns), Limit 555	[Pair 4,5]	329
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	11.7
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	6.2	7.7	7.5	7.7
Freq. (MHz)	177.0	499.0	493.0	499.0
Limit (dB)	35.7	26.1	26.3	26.1
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	6.0	8.8	9.1	8.9
Freq. (MHz)	239.0	488.0	493.0	496.0
Limit (dB)	30.5	23.5	23.4	23.3

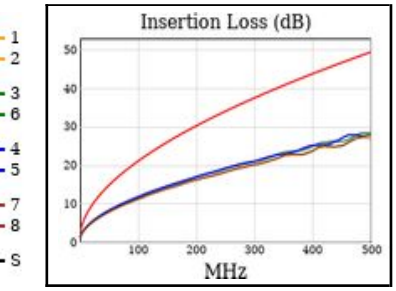
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.6	9.4	9.8
Freq. (MHz)	457.0	251.0	457.0	455.0
Limit (dB)	10.1	15.3	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.4	12.3	12.1
Freq. (MHz)	251.0	251.0	487.0	486.0
Limit (dB)	12.3	12.3	6.5	6.5

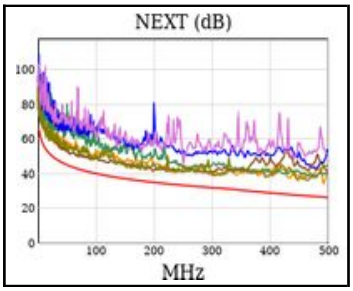
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	10.2	28.2	29.2
Freq. (MHz)	3.0	3.0	493.0	499.0
Limit (dB)	61.4	61.4	-22.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	11.0	30.2	29.9
Freq. (MHz)	4.6	3.1	493.0	497.0
Limit (dB)	55.1	58.3	-25.5	-25.8

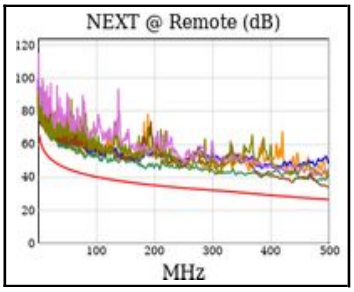
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	5.5	4.6	8.2	6.0
Freq. (MHz)	57.5	8.6	487.0	500.0
Limit (dB)	14.4	19.0	6.0	6.0

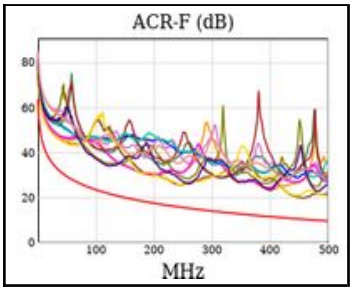
Compliant Network Standards:

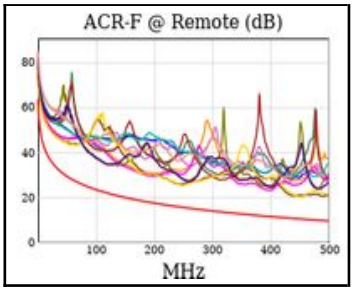
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

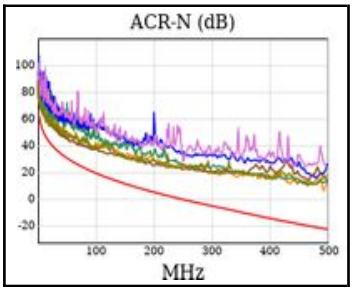


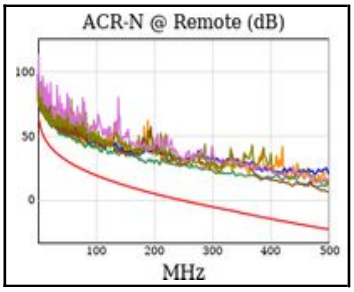


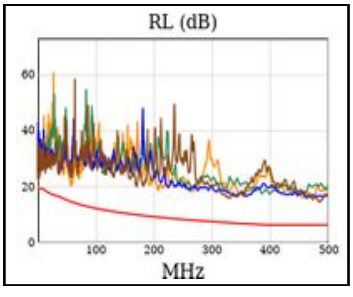


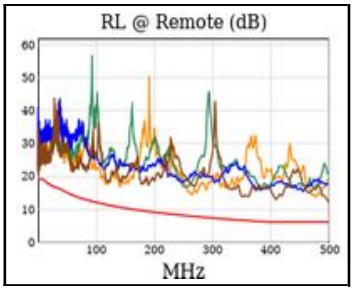












FLUKE networks

LinkWare Live

Cable ID: 120-1-A

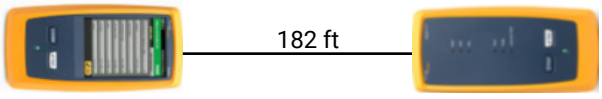
Test Summary: PASS

Date / Time: 11/26/2022 01:05:07 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

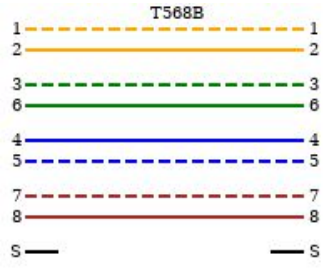
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

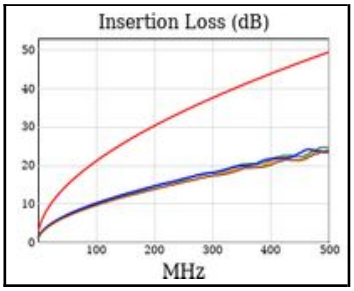
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

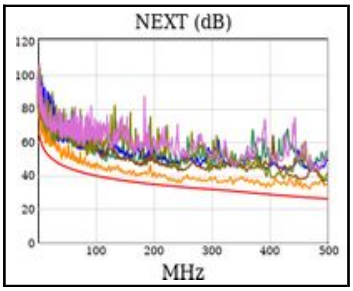
Length (ft), Limit 328	[Pair 7,8]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	283
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	24.4
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

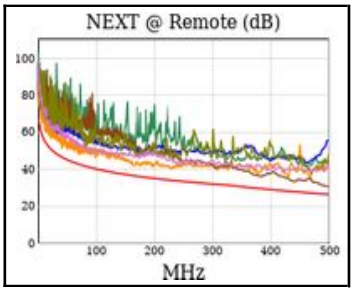


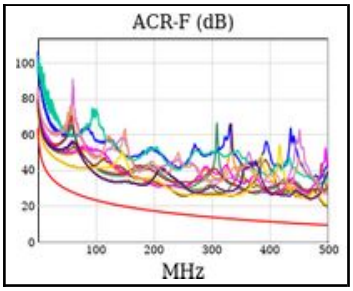
PASS

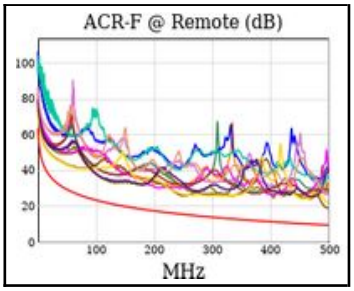


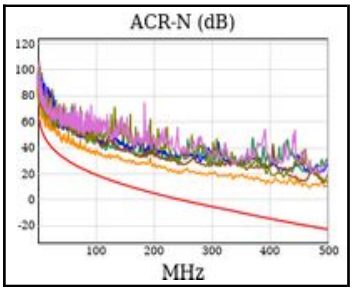


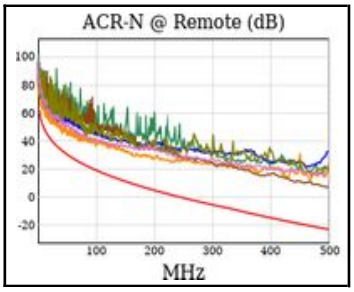


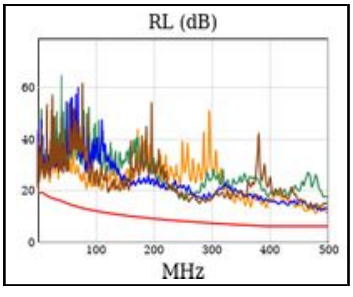


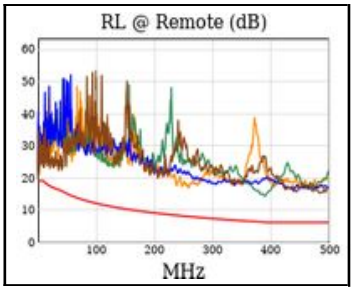












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.5	4.2	4.9	4.2
Freq. (MHz)	240.0	497.0	469.0	497.0
Limit (dB)	33.4	26.2	26.9	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	6.4	7.4	6.5
Freq. (MHz)	240.0	492.0	494.0	497.0
Limit (dB)	30.5	23.4	23.4	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.5	10.3	9.5
Freq. (MHz)	248.5	500.0	500.0	500.0
Limit (dB)	15.4	9.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.5	11.0	11.9	12.0
Freq. (MHz)	265.0	256.0	500.0	500.0
Limit (dB)	11.8	12.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	8.8	29.4	30.0
Freq. (MHz)	5.6	5.6	469.0	500.0
Limit (dB)	55.8	55.8	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.8	31.8	30.7
Freq. (MHz)	5.5	5.4	494.0	492.0
Limit (dB)	53.4	53.7	-25.6	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	4.9	4.6	4.9	8.1
Freq. (MHz)	480.0	12.0	480.0	390.0
Limit (dB)	6.0	18.6	6.0	6.1

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-1-B

Test Summary: PASS

Date / Time: 11/26/2022 01:06:15 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	184
Prop. Delay (ns), Limit 555	[Pair 3,6]	286
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 7,8]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	23.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	5.1	6.3	5.2
Freq. (MHz)	246.0	217.5	469.0	500.0
Limit (dB)	33.2	34.2	26.9	26.1
Worst Pair	1,2	1,2	3,6	4,5
PS NEXT (dB)	6.0	6.5	7.9	6.8
Freq. (MHz)	229.0	217.5	500.0	500.0
Limit (dB)	30.8	31.2	23.2	23.2

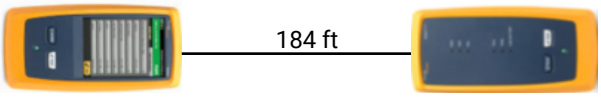
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	10.5	10.6	11.3	10.8
Freq. (MHz)	399.0	447.0	456.0	494.0
Limit (dB)	11.2	10.3	10.1	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	9.4	10.1	10.9
Freq. (MHz)	403.0	406.0	404.0	493.0
Limit (dB)	8.2	8.1	8.1	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.4	11.2	31.1	28.8
Freq. (MHz)	5.5	5.5	493.0	500.0
Limit (dB)	56.0	56.0	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	12.2	31.4	30.0
Freq. (MHz)	3.6	3.6	500.0	497.0
Limit (dB)	57.3	57.3	-26.1	-25.8

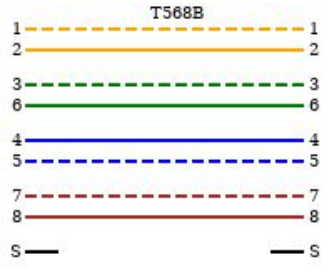
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.0	4.5	4.0	9.1
Freq. (MHz)	459.0	24.6	459.0	498.0
Limit (dB)	6.0	17.0	6.0	6.0

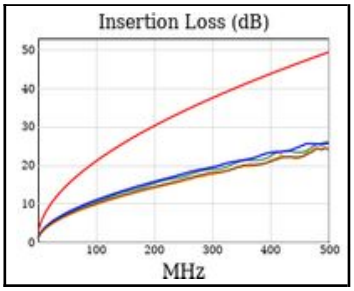
Compliant Network Standards:

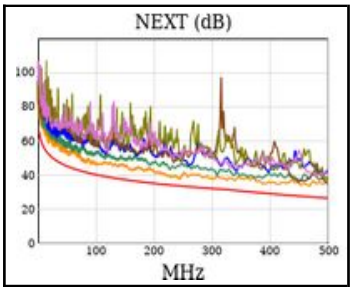
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

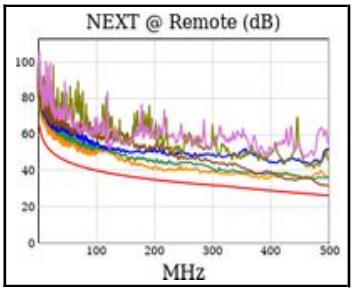


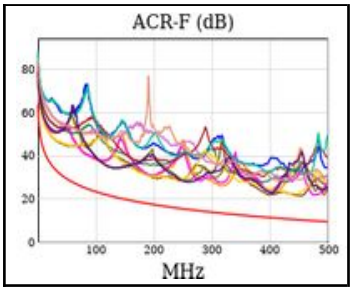
PASS

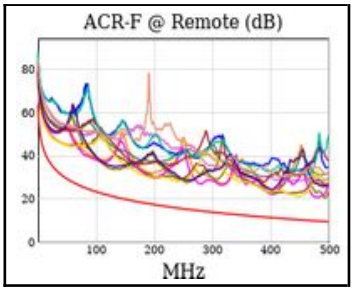


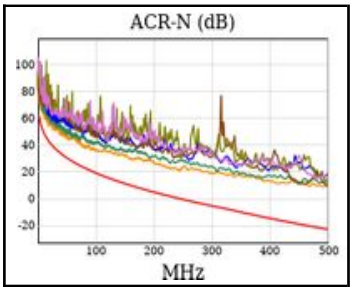


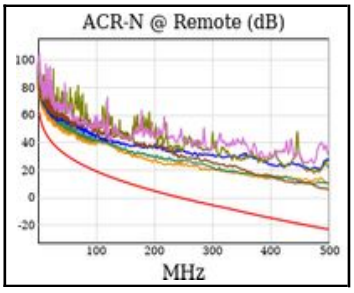


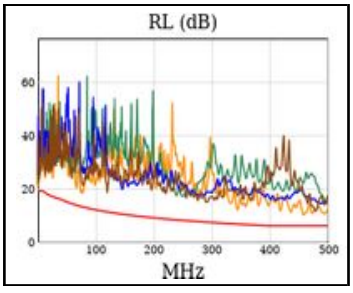


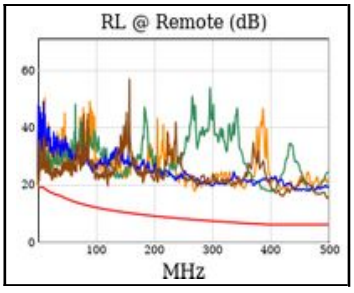












FLUKE networks

LinkWare Live

Cable ID: 119-A

Test Summary: PASS

Date / Time: 12/04/2022 03:51:31 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	155
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	2.6	6.8	5.0
Freq. (MHz)	4.1	164.5	469.0	492.0
Limit (dB)	62.8	36.2	26.9	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	4.4	7.9	5.4
Freq. (MHz)	4.1	195.5	469.0	489.0
Limit (dB)	60.3	32.0	24.0	23.5

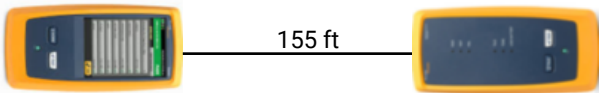
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.4	11.5	11.4	11.5
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.9	12.3	12.0	13.3
Freq. (MHz)	331.0	6.8	490.0	499.0
Limit (dB)	9.9	43.7	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	6.3	6.3	35.4	32.6
Freq. (MHz)	4.1	4.0	471.0	492.0
Limit (dB)	58.6	58.9	-20.9	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	6.5	7.1	37.5	33.4
Freq. (MHz)	4.1	4.1	498.0	492.0
Limit (dB)	56.1	56.1	-25.9	-25.5

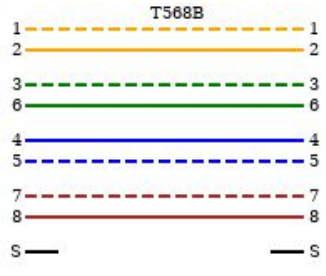
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.4	4.1	6.6	8.8
Freq. (MHz)	23.9	28.9	491.0	448.0
Limit (dB)	17.1	16.7	6.0	6.0

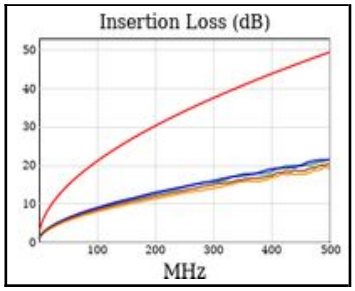
Compliant Network Standards:

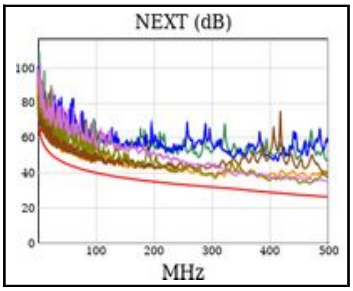
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

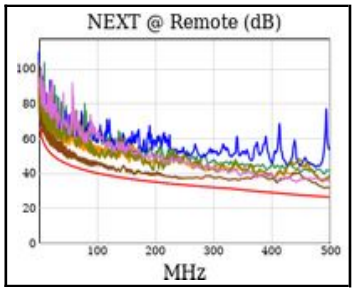


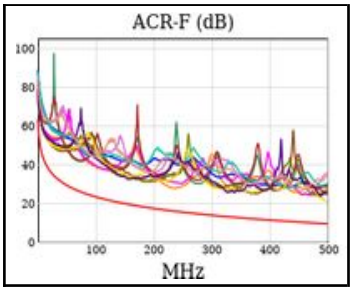
PASS

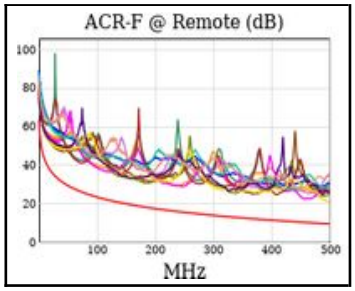


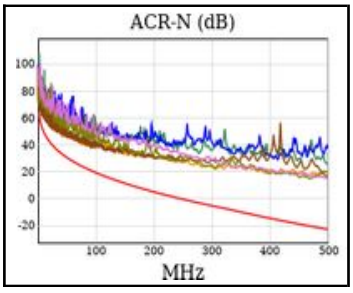


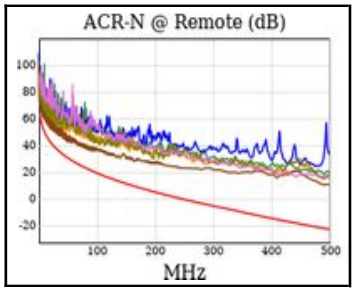


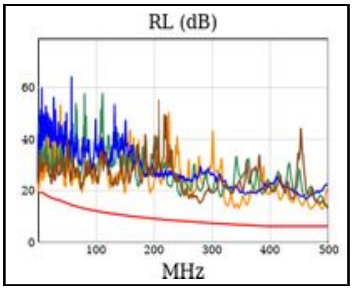


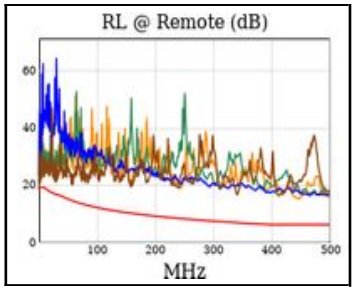












FLUKE networks

LinkWare Live

Cable ID: 119-B

Test Summary: PASS

Date / Time: 12/04/2022 03:52:38 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	155
Prop. Delay (ns), Limit 555	[Pair 4,5]	247
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	14.6
Insertion Loss Margin (dB)	[Pair 4,5]	27.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.9	2.5	7.6	5.1
Freq. (MHz)	4.1	229.5	458.0	490.0
Limit (dB)	62.8	33.8	27.1	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.0	3.8	8.5	6.0
Freq. (MHz)	4.1	213.0	458.0	490.0
Limit (dB)	60.3	31.4	24.2	23.5

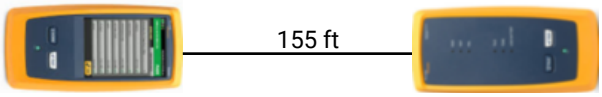
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.1	10.8	11.1	10.8
Freq. (MHz)	492.0	492.0	492.0	492.0
Limit (dB)	9.4	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.9	11.6	12.2	12.8
Freq. (MHz)	4.6	11.1	492.0	492.0
Limit (dB)	47.0	39.3	6.4	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	6.3	6.7	38.4	32.4
Freq. (MHz)	4.0	4.1	500.0	490.0
Limit (dB)	58.9	58.6	-23.2	-22.4
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	6.4	7.4	37.6	33.4
Freq. (MHz)	4.1	4.1	500.0	490.0
Limit (dB)	56.1	56.1	-26.1	-25.3

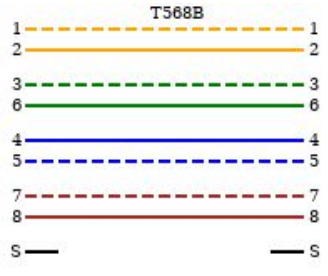
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.7	2.0	5.0	9.6
Freq. (MHz)	57.3	11.6	335.0	438.0
Limit (dB)	14.4	18.7	6.7	6.0

Compliant Network Standards:

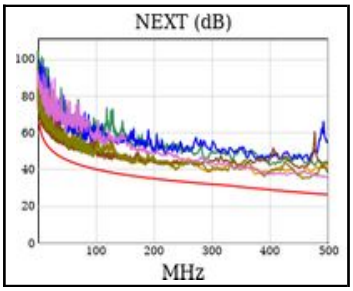
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

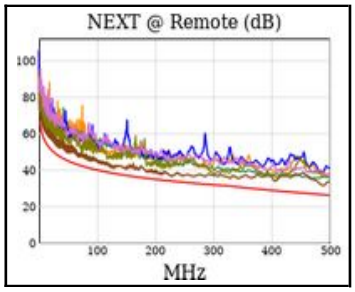


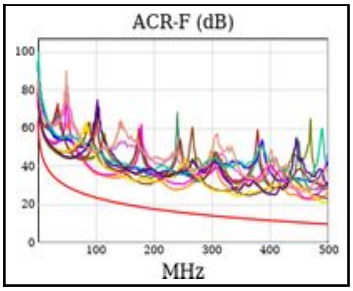
PASS

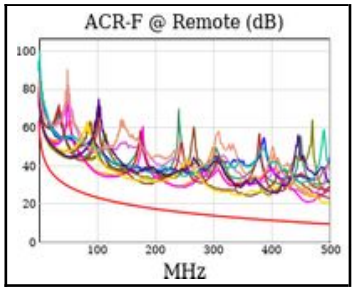


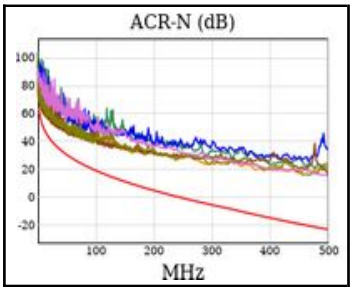


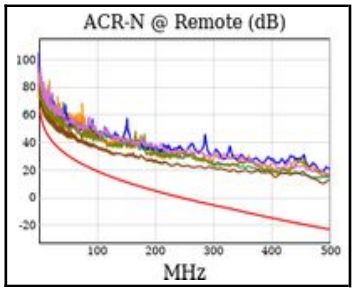


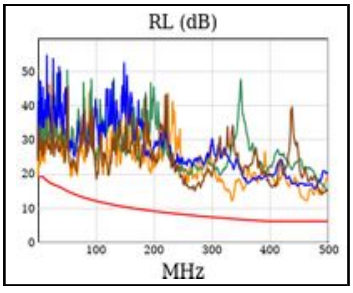


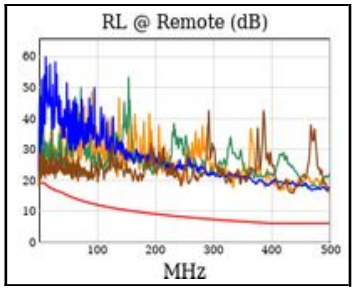












FLUKE networks

LinkWare Live

Cable ID: 11-A

Test Summary: PASS

Date / Time: 12/18/2022 02:13:03 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	135
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	36.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.6	4.1	5.0	6.6
Freq. (MHz)	174.0	239.0	457.0	466.0
Limit (dB)	35.8	33.5	27.2	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	4.3	6.5	8.1
Freq. (MHz)	183.0	161.5	457.0	466.0
Limit (dB)	32.5	33.5	24.3	24.0

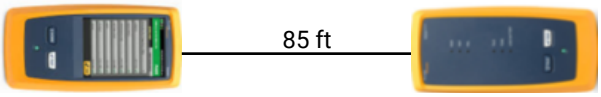
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.7	10.8	11.2
Freq. (MHz)	383.0	379.0	455.0	467.0
Limit (dB)	11.6	11.7	10.1	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.3	12.5	13.5
Freq. (MHz)	1.4	5.1	482.0	498.0
Limit (dB)	57.5	46.1	6.6	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	7.6	7.7	41.9	43.8
Freq. (MHz)	3.6	4.0	457.0	471.0
Limit (dB)	59.8	58.9	-19.8	-20.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	8.4	45.8	44.4
Freq. (MHz)	4.0	4.0	500.0	470.0
Limit (dB)	56.4	56.4	-26.1	-23.7

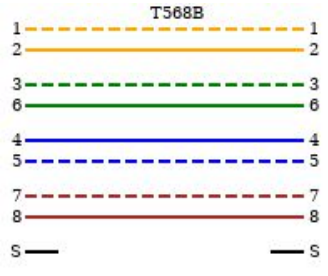
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.6	4.4	6.3	8.0
Freq. (MHz)	49.3	49.0	488.0	496.0
Limit (dB)	15.1	15.1	6.0	6.0

Compliant Network Standards:

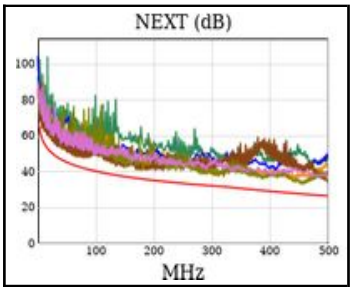
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

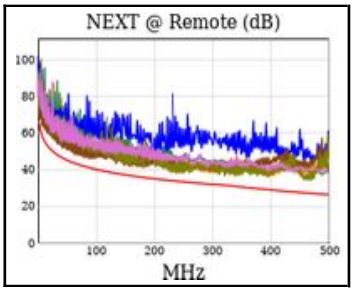


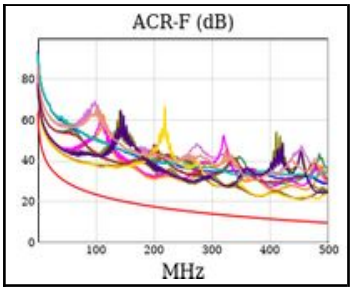
PASS

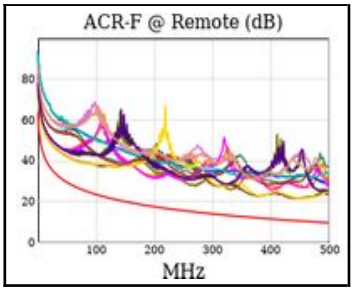


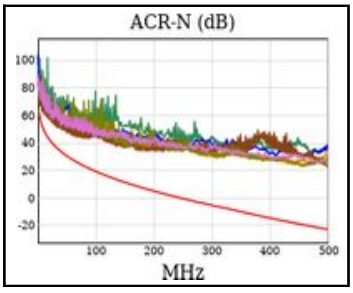


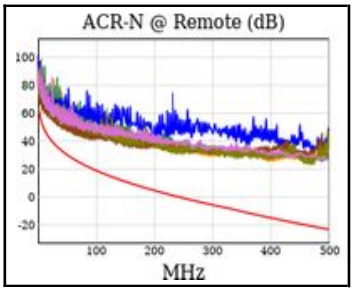


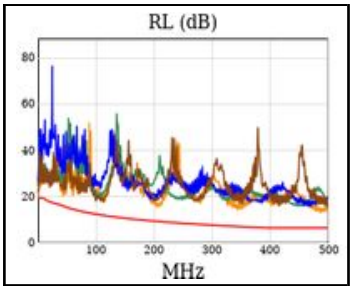


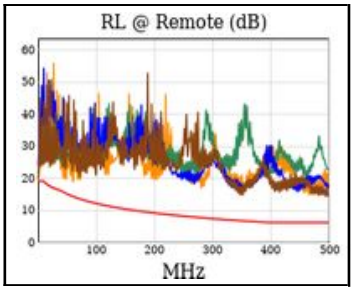












FLUKE networks

LinkWare Live

Cable ID: 11-B

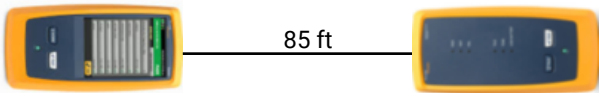
Test Summary: PASS

Date / Time: 12/18/2022 02:14:36 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

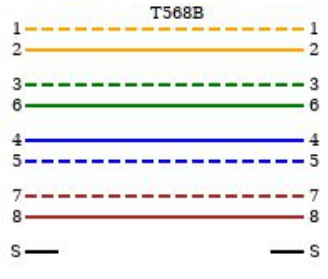
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

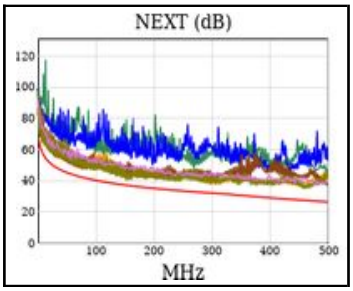
Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	134
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	37.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

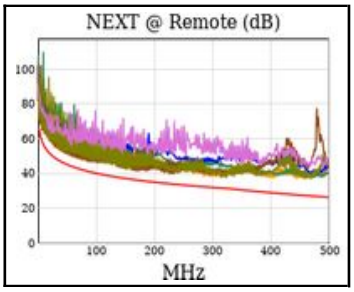


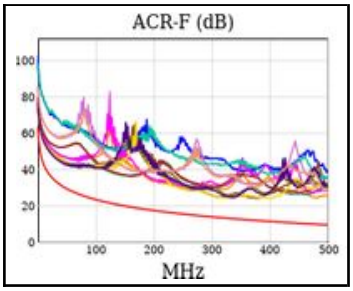
PASS

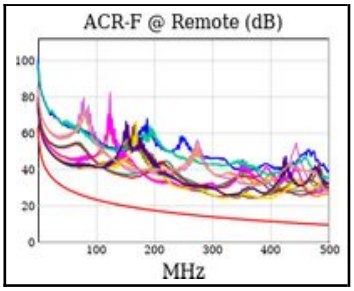


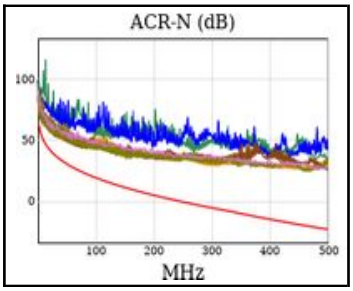


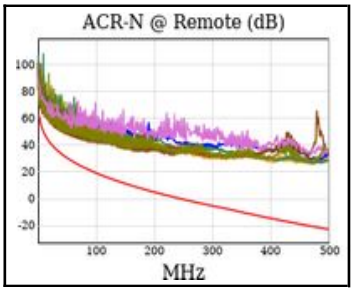


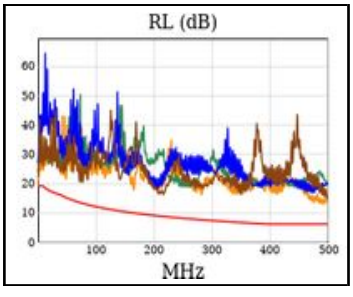


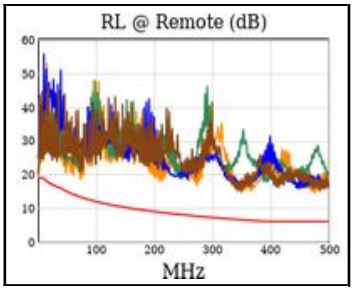












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	3.4	5.0	7.1	9.2
Freq. (MHz)	153.0	171.0	461.0	461.0
Limit (dB)	36.8	36.0	27.1	27.1
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	3.5	4.1	8.5	9.4
Freq. (MHz)	153.5	162.5	461.0	471.0
Limit (dB)	33.9	33.4	24.2	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	11.0	10.7	14.3	12.4
Freq. (MHz)	325.0	318.0	483.0	397.0
Limit (dB)	13.0	13.2	9.6	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.5	11.1	11.7
Freq. (MHz)	325.0	322.0	337.0	337.0
Limit (dB)	10.0	10.1	9.7	9.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-4,5
ACR-N (dB)	8.2	8.4	44.5	46.8
Freq. (MHz)	3.9	3.8	470.0	476.0
Limit (dB)	59.2	59.5	-20.8	-21.3
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-N (dB)	7.7	8.5	44.8	46.6
Freq. (MHz)	4.0	3.9	461.0	476.0
Limit (dB)	56.4	56.7	-23.0	-24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.3	5.3	6.5	8.0
Freq. (MHz)	49.5	74.0	493.0	476.0
Limit (dB)	15.1	13.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-A

Test Summary: PASS

Date / Time: 12/10/2022 03:49:09 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	165
Prop. Delay (ns), Limit 555	[Pair 4,5]	261
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	26.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.7	4.3	8.1	7.9
Freq. (MHz)	14.8	14.8	499.0	458.0
Limit (dB)	53.8	53.8	26.1	27.1
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	6.5	5.1	9.2	8.5
Freq. (MHz)	14.8	78.8	499.0	458.0
Limit (dB)	51.2	38.9	23.3	24.2

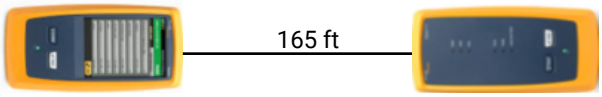
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-1,2	1,2-3,6
ACR-F (dB)	10.1	9.9	12.0	10.8
Freq. (MHz)	368.0	376.0	471.0	471.0
Limit (dB)	11.9	11.8	9.8	9.8
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	12.1	11.9	14.4	12.5
Freq. (MHz)	367.0	370.0	500.0	468.0
Limit (dB)	9.0	8.9	6.3	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	9.1	8.7	35.1	37.1
Freq. (MHz)	14.8	14.8	499.0	486.0
Limit (dB)	46.0	46.0	-23.1	-22.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.4	9.3	35.7	38.2
Freq. (MHz)	4.0	3.9	492.0	500.0
Limit (dB)	56.4	56.7	-25.5	-26.1

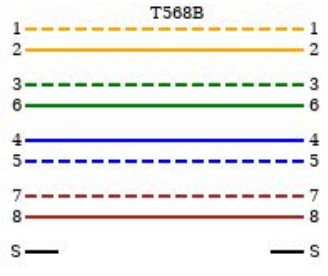
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.6	6.7	7.6	6.7
Freq. (MHz)	122.0	495.0	473.0	495.0
Limit (dB)	11.1	6.0	6.0	6.0

Compliant Network Standards:

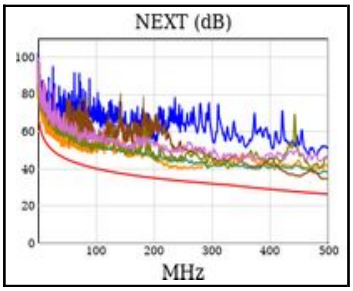
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

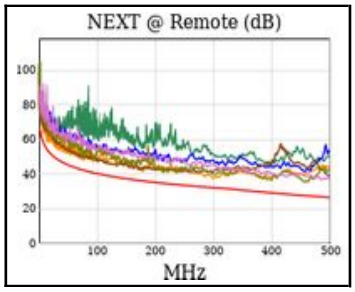


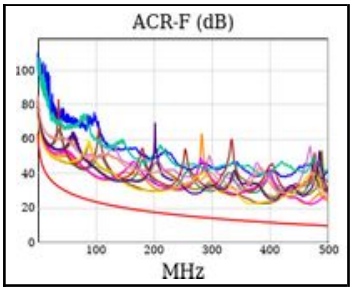
PASS

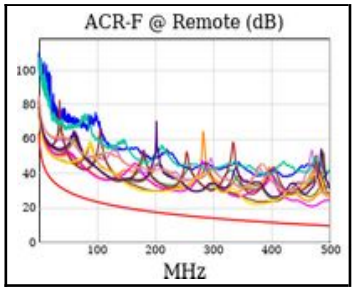


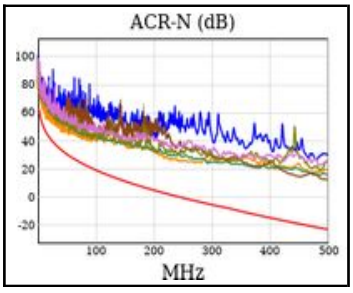


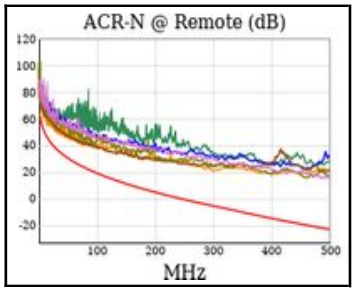


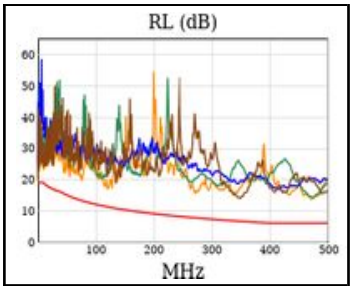


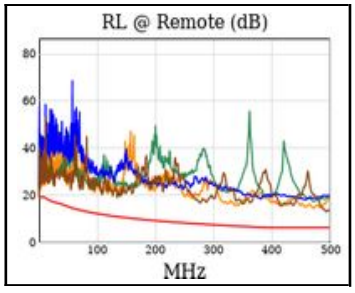












FLUKE networks

LinkWare Live

Cable ID: 119-B

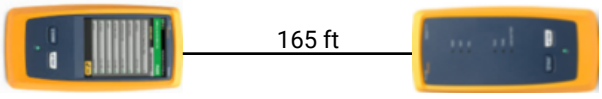
Test Summary: PASS

Date / Time: 12/10/2022 03:50:45 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

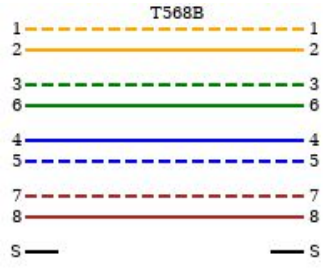
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

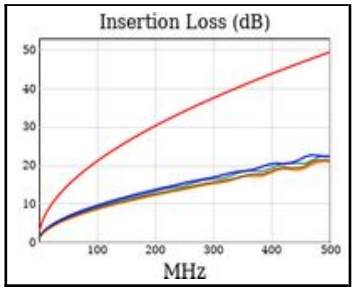
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

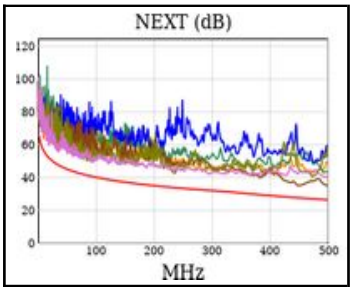
Length (ft), Limit 328	[Pair 1,2]	165
Prop. Delay (ns), Limit 555	[Pair 4,5]	260
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.4
Insertion Loss Margin (dB)	[Pair 4,5]	25.2
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

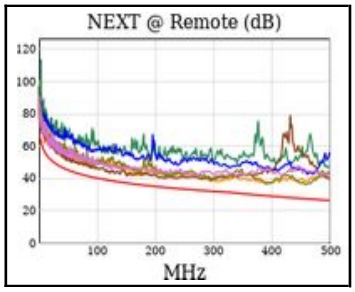


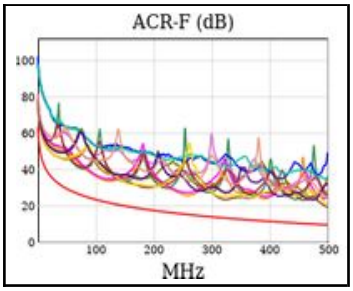
PASS

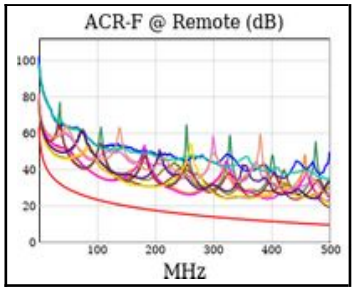


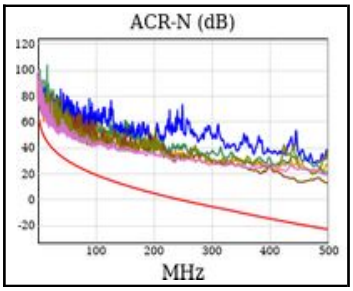


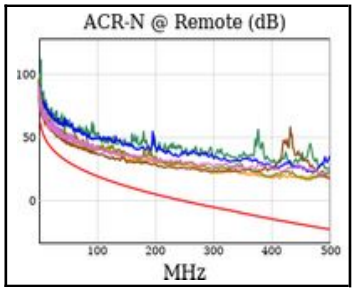


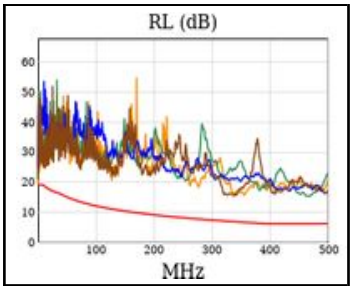


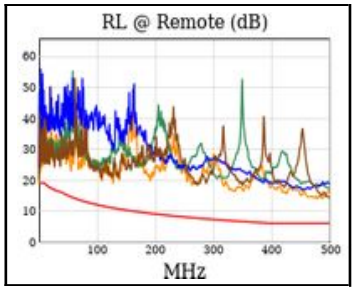












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.0	4.3	8.7	8.8
Freq. (MHz)	10.5	151.5	500.0	459.0
Limit (dB)	56.2	36.9	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.1	4.2	9.9	7.3
Freq. (MHz)	4.1	153.5	498.0	392.0
Limit (dB)	60.3	33.9	23.3	26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	10.0	10.0	10.0
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	10.9	11.2	10.9	11.2
Freq. (MHz)	500.0	497.0	500.0	497.0
Limit (dB)	6.3	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.8	8.7	35.7	36.2
Freq. (MHz)	10.5	3.8	500.0	461.0
Limit (dB)	49.6	59.5	-23.2	-20.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.5	8.0	37.1	36.3
Freq. (MHz)	4.0	4.0	500.0	461.0
Limit (dB)	56.4	56.4	-26.1	-23.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	1,2
RL (dB)	6.1	6.9	9.2	7.8
Freq. (MHz)	13.0	13.1	469.0	479.0
Limit (dB)	18.4	18.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-A

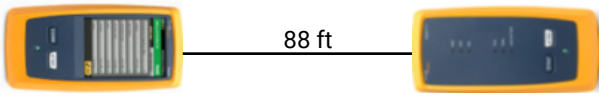
Test Summary: PASS

Date / Time: 11/22/2022 12:46:57 PM
Headroom: 1.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

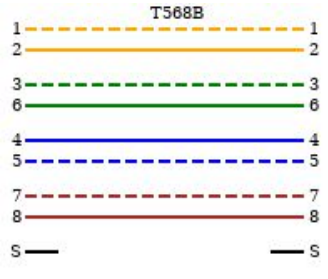
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

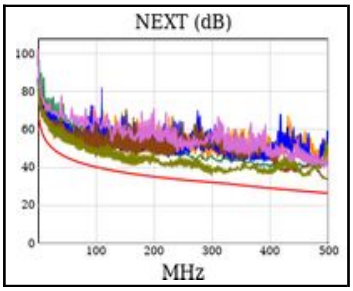
Length (ft), Limit 328	[Pair 1,2]	88
Prop. Delay (ns), Limit 555	[Pair 3,6]	136
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

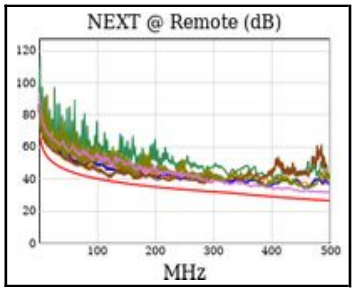


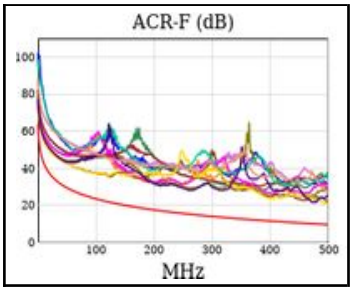
PASS

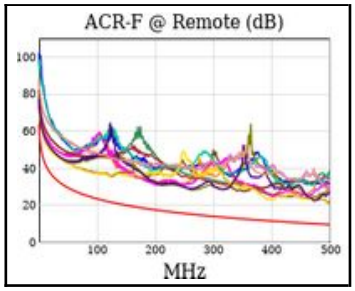


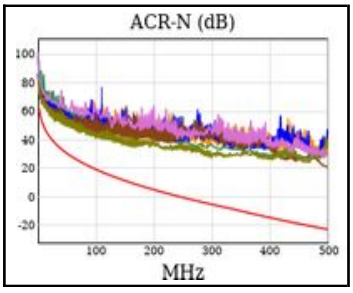


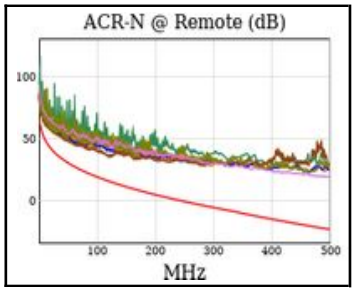


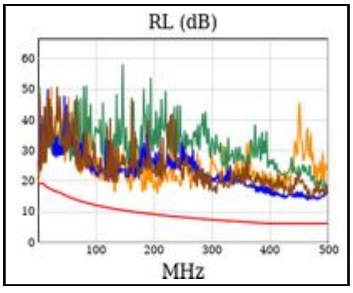


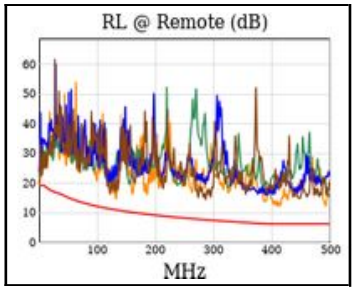












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	3.7	1.7	7.3	5.0
Freq. (MHz)	300.0	121.0	499.0	500.0
Limit (dB)	31.7	38.5	26.1	26.1
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	6.1	3.3	8.9	4.2
Freq. (MHz)	29.6	168.5	499.0	457.0
Limit (dB)	46.1	33.1	23.3	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.1	11.5	11.1	11.6
Freq. (MHz)	494.0	398.0	494.0	498.0
Limit (dB)	9.4	11.3	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.6	11.9	12.9
Freq. (MHz)	473.0	1.1	494.0	498.0
Limit (dB)	6.8	59.2	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	10.0	8.8	43.7	41.8
Freq. (MHz)	3.4	3.6	499.0	496.0
Limit (dB)	60.4	59.8	-23.1	-22.9
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	9.8	8.9	44.9	40.7
Freq. (MHz)	4.0	3.6	499.0	469.0
Limit (dB)	56.4	57.3	-26.0	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	5.5	3.6	7.4	5.7
Freq. (MHz)	133.5	133.0	466.0	412.0
Limit (dB)	10.7	10.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-B

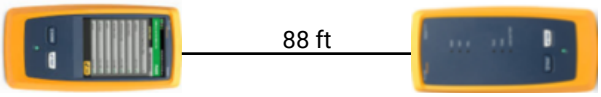
Test Summary: PASS

Date / Time: 11/22/2022 12:47:30 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

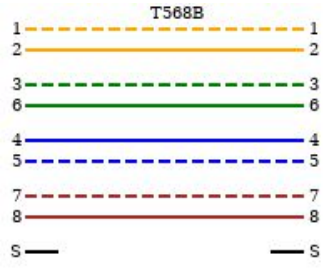
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

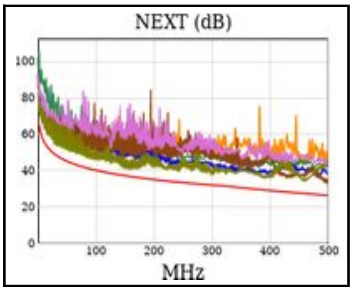
Length (ft), Limit 328	[Pair 1,2]	88
Prop. Delay (ns), Limit 555	[Pair 3,6]	136
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

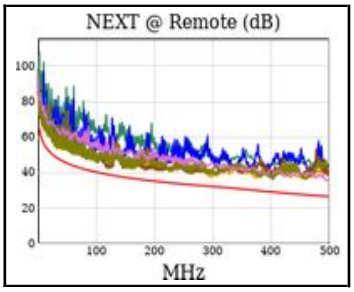


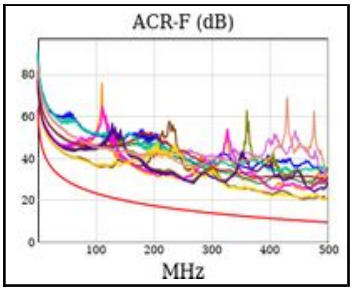
PASS

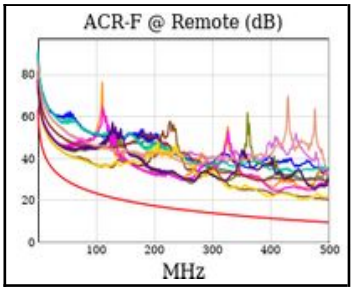


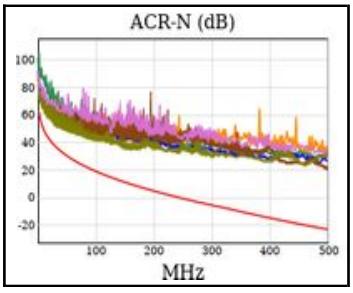


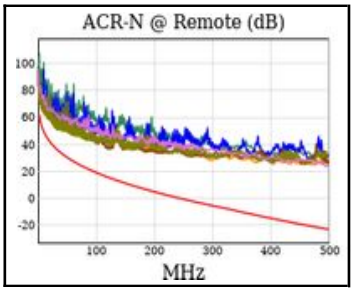


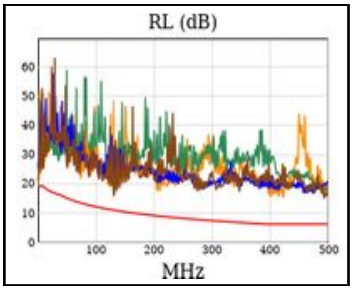


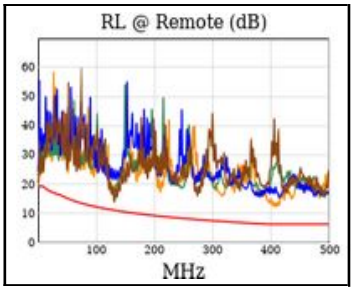












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	3.5	3.3	6.3	8.6
Freq. (MHz)	151.5	121.5	498.0	496.0
Limit (dB)	36.9	38.5	26.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	3.7	7.2	7.9
Freq. (MHz)	151.5	126.0	461.0	456.0
Limit (dB)	34.0	35.3	24.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.0	10.4	10.0
Freq. (MHz)	458.0	458.0	494.0	458.0
Limit (dB)	10.0	10.0	9.4	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.4	12.1	12.4
Freq. (MHz)	9.1	1.1	494.0	497.0
Limit (dB)	41.1	59.2	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	11.1	10.9	42.9	45.9
Freq. (MHz)	4.0	3.6	498.0	496.0
Limit (dB)	58.9	59.8	-23.1	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.1	9.5	44.0	46.4
Freq. (MHz)	4.0	3.6	498.0	498.0
Limit (dB)	56.4	57.3	-25.9	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.8	2.8	8.6	6.0
Freq. (MHz)	132.0	132.0	494.0	412.0
Limit (dB)	10.8	10.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-3-B

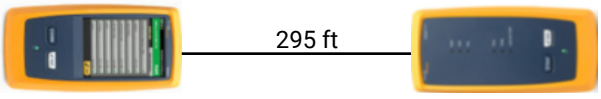
Test Summary: PASS

Date / Time: 11/25/2022 04:11:20 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

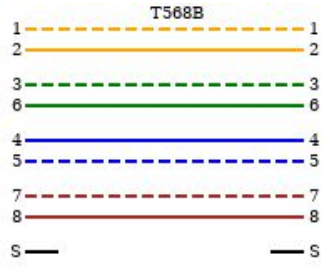
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	295
Prop. Delay (ns), Limit 555	[Pair 4,5]	459
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	15.1
Insertion Loss Margin (dB)	[Pair 3,6]	9.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

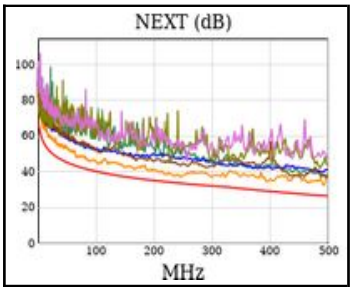


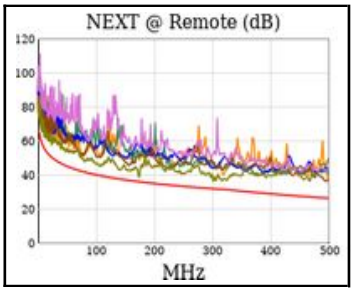
PASS



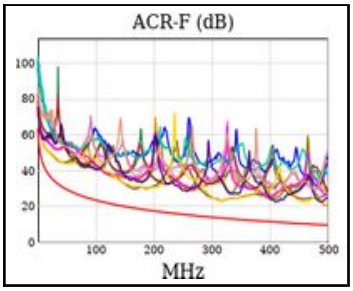


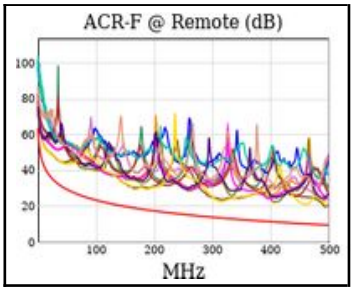
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.4	2.6	5.7	4.1
Freq. (MHz)	245.5	174.5	493.0	302.0
Limit (dB)	33.3	35.8	26.3	31.7
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.5	5.0	7.0	10.2
Freq. (MHz)	246.0	174.5	493.0	500.0
Limit (dB)	30.3	32.9	23.4	23.2



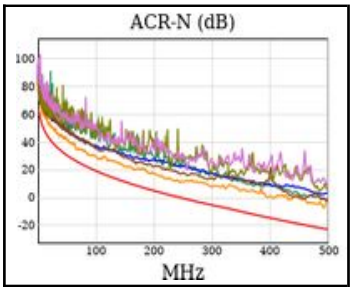


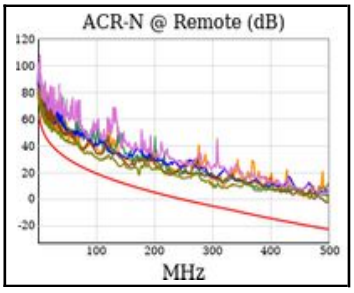
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.7	9.2	10.9	10.0
Freq. (MHz)	316.0	316.0	494.0	494.0
Limit (dB)	13.3	13.3	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.7	11.9	10.7
Freq. (MHz)	5.0	494.0	492.0	494.0
Limit (dB)	46.3	6.4	6.4	6.4



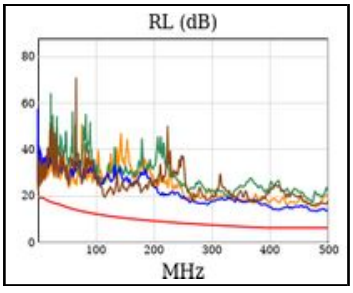


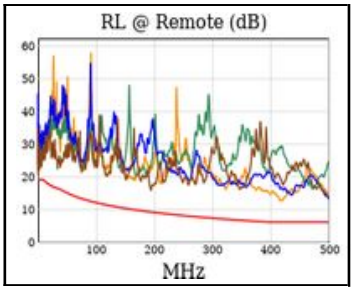
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	8.4	8.0	15.1	20.0
Freq. (MHz)	9.0	5.4	494.0	500.0
Limit (dB)	51.2	56.2	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	8.0	16.9	19.8
Freq. (MHz)	7.8	5.4	495.0	500.0
Limit (dB)	50.1	53.7	-25.7	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	5.2	3.4	7.2	6.5
Freq. (MHz)	4.0	4.0	482.0	421.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-4-A

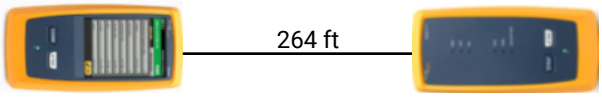
Test Summary: PASS

Date / Time: 11/25/2022 04:18:47 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	264
Prop. Delay (ns), Limit 555	[Pair 4,5]	408
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 3,6]	13.3
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1



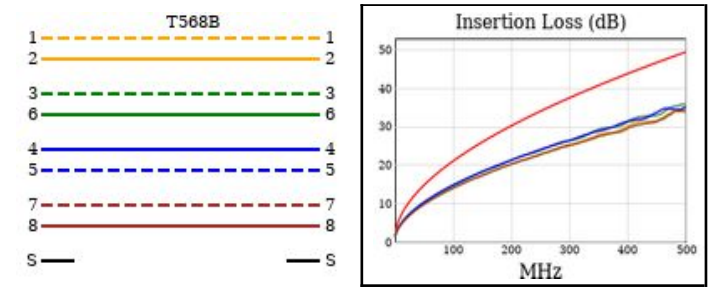
PASS

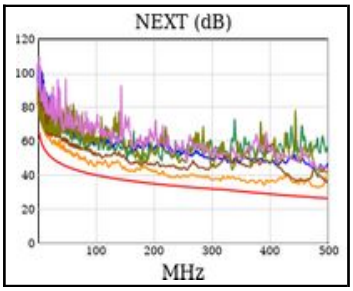
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.7	4.3	5.9	6.5
Freq. (MHz)	234.0	296.0	482.0	464.0
Limit (dB)	33.6	31.8	26.5	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	7.0	7.5	8.0
Freq. (MHz)	247.0	296.0	483.0	465.0
Limit (dB)	30.2	28.9	23.6	24.1

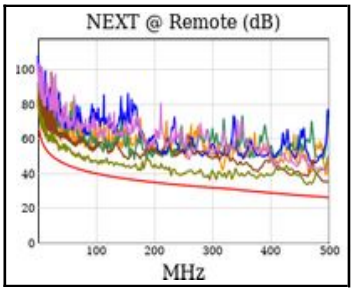
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	10.1	10.1	10.3	11.7
Freq. (MHz)	4.3	373.0	474.0	475.0
Limit (dB)	50.7	11.8	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.2	12.2	11.9
Freq. (MHz)	4.3	2.9	500.0	500.0
Limit (dB)	47.7	51.1	6.3	6.3

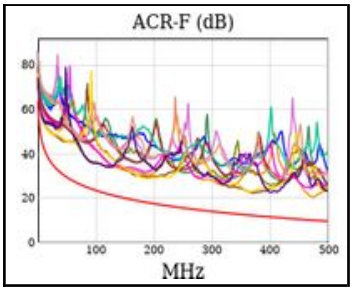
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.4	8.4	19.5	23.0
Freq. (MHz)	3.6	6.3	488.0	497.0
Limit (dB)	59.8	54.8	-22.3	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	8.6	20.7	23.1
Freq. (MHz)	3.6	3.6	483.0	496.0
Limit (dB)	57.3	57.3	-24.8	-25.8

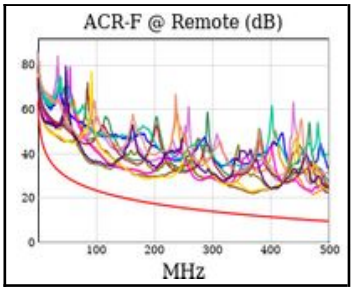
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	7,8
RL (dB)	6.4	5.2	7.5	5.3
Freq. (MHz)	8.4	7.0	500.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0

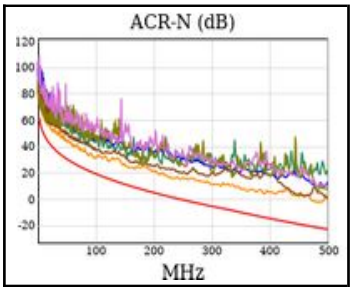


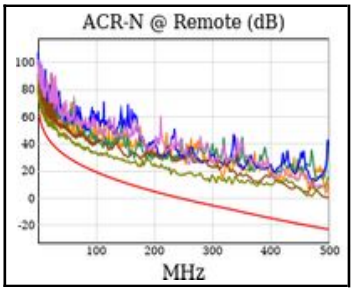


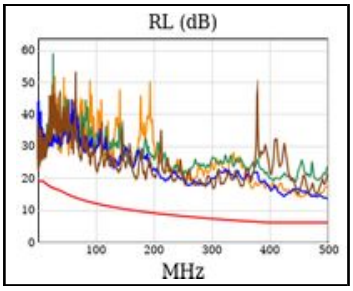


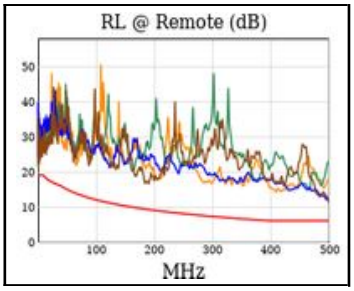












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 119-4-B

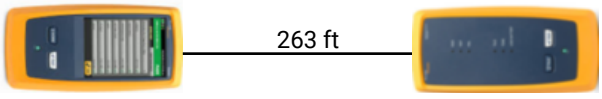
Test Summary: PASS

Date / Time: 11/25/2022 04:19:34 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF2

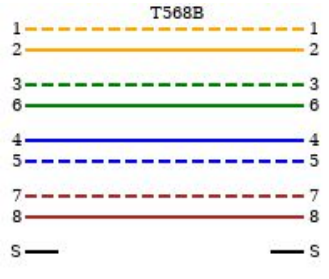
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

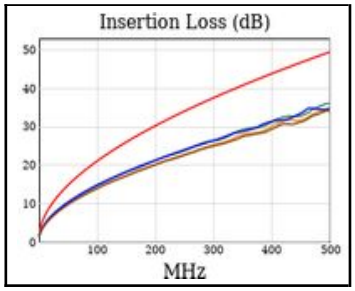
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

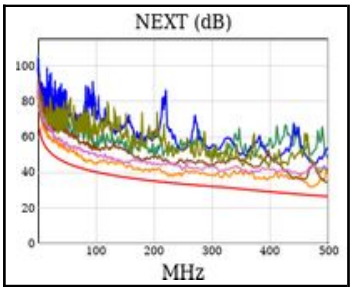
Length (ft), Limit 328	[Pair 7,8]	263
Prop. Delay (ns), Limit 555	[Pair 4,5]	408
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	13.7
Insertion Loss Margin (dB)	[Pair 3,6]	13.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

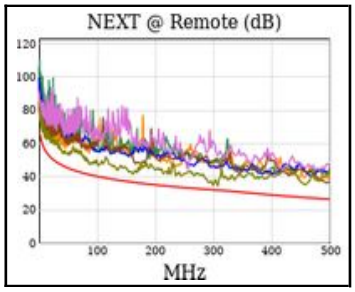


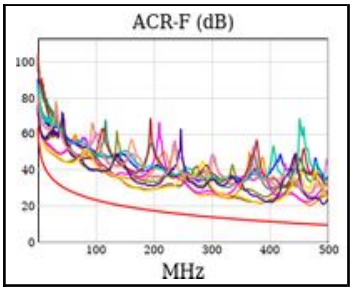
PASS

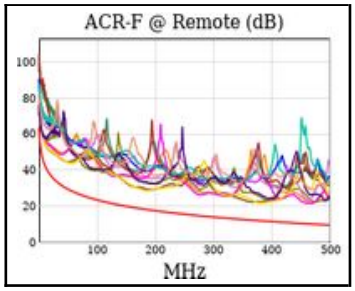


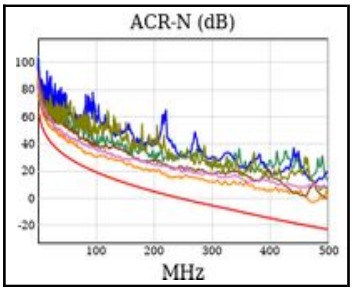


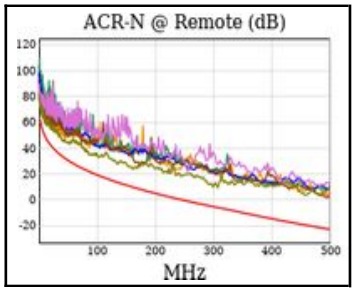


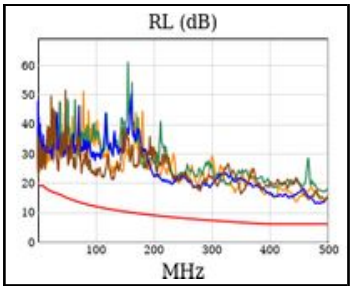


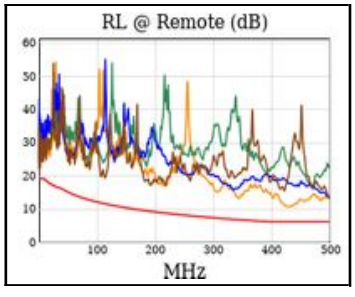












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.6	2.4	4.5	2.6
Freq. (MHz)	232.0	300.0	475.0	308.0
Limit (dB)	33.7	31.7	26.7	31.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	5.0	7.1	9.4
Freq. (MHz)	232.0	308.0	475.0	484.0
Limit (dB)	30.7	28.6	23.8	23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.0	9.7	10.4	11.2
Freq. (MHz)	384.0	383.0	470.0	461.0
Limit (dB)	11.6	11.6	9.8	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.0	11.6	11.9
Freq. (MHz)	1.4	6.9	470.0	475.0
Limit (dB)	57.5	43.5	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	8.9	8.4	17.7	24.2
Freq. (MHz)	8.8	6.1	475.0	496.0
Limit (dB)	51.5	55.0	-21.2	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	8.6	21.5	23.0
Freq. (MHz)	8.8	4.9	496.0	497.0
Limit (dB)	48.9	54.6	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	5.6	4.5	7.0	4.5
Freq. (MHz)	8.3	430.0	487.0	430.0
Limit (dB)	19.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-A

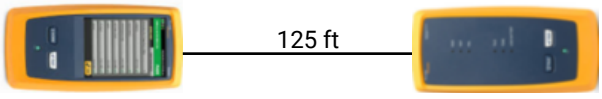
Test Summary: PASS

Date / Time: 11/26/2022 06:17:08 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

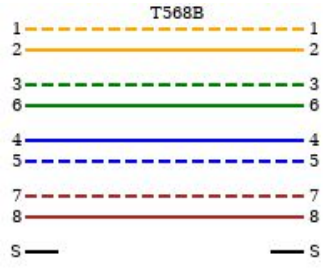
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	16.3
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS



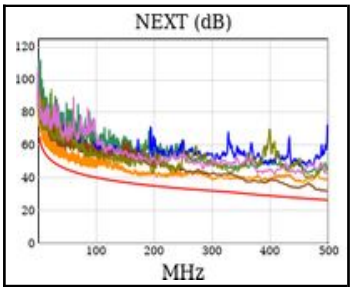
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.7	3.8	5.4	7.1
Freq. (MHz)	14.3	232.5	499.0	463.0
Limit (dB)	54.1	33.7	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	4.7	7.4	8.5
Freq. (MHz)	198.5	171.5	500.0	500.0
Limit (dB)	31.9	33.0	23.2	23.2

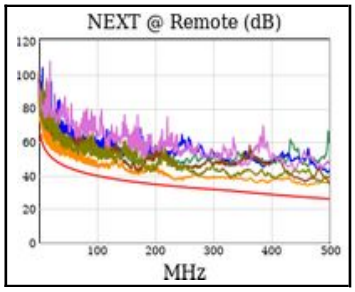
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.1	10.8	10.1
Freq. (MHz)	248.5	500.0	500.0	500.0
Limit (dB)	15.4	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.8	11.8	12.3
Freq. (MHz)	251.0	5.6	495.0	500.0
Limit (dB)	12.3	45.3	6.4	6.3

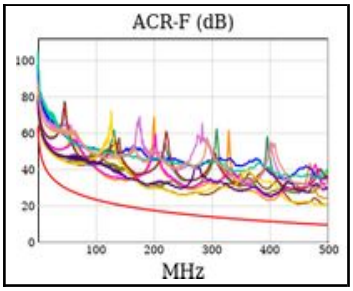
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.5	8.9	37.7	41.0
Freq. (MHz)	3.0	8.5	499.0	500.0
Limit (dB)	61.4	51.8	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.5	39.1	40.2
Freq. (MHz)	3.0	2.9	500.0	500.0
Limit (dB)	58.4	58.4	-26.1	-26.1

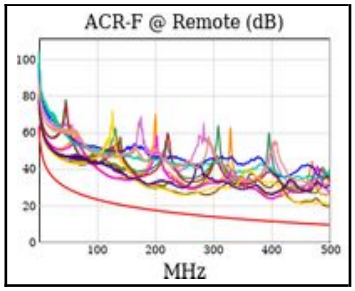
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.5	1.8	7.6	4.7
Freq. (MHz)	188.0	36.3	464.0	465.0
Limit (dB)	9.3	16.2	6.0	6.0

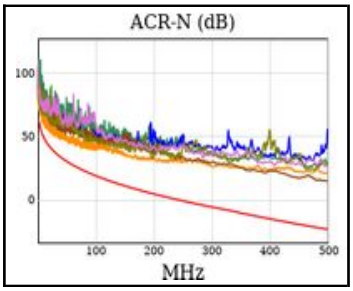


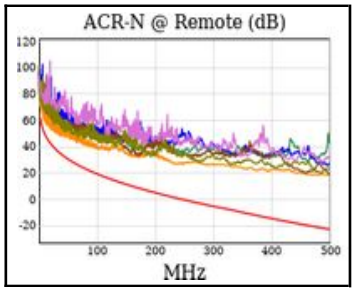


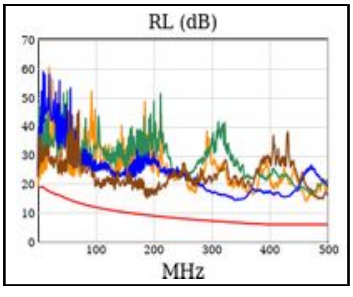


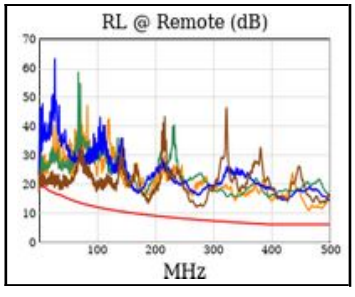












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-B

Test Summary: PASS

Date / Time: 11/26/2022 06:17:29 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	3.6	6.3	6.8
Freq. (MHz)	226.5	229.5	500.0	483.0
Limit (dB)	33.9	33.8	26.1	26.5
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.3	5.4	7.8	7.6
Freq. (MHz)	226.5	229.5	500.0	500.0
Limit (dB)	30.9	30.8	23.2	23.2

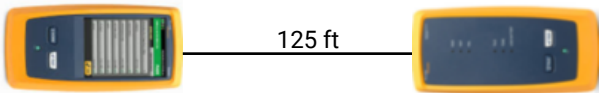
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.7	12.1	13.1
Freq. (MHz)	5.6	302.0	500.0	500.0
Limit (dB)	48.3	13.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.1	13.9
Freq. (MHz)	499.0	5.6	499.0	499.0
Limit (dB)	6.3	45.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.2	9.0	38.8	37.5
Freq. (MHz)	5.5	5.5	500.0	483.0
Limit (dB)	56.0	56.0	-23.2	-21.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	11.5	39.3	39.1
Freq. (MHz)	5.3	5.5	500.0	500.0
Limit (dB)	53.9	53.4	-26.1	-26.1

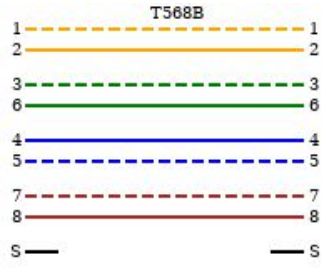
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	6.0	1.9	8.2	4.5
Freq. (MHz)	39.0	39.0	358.0	284.0
Limit (dB)	16.0	16.0	6.5	7.5

Compliant Network Standards:

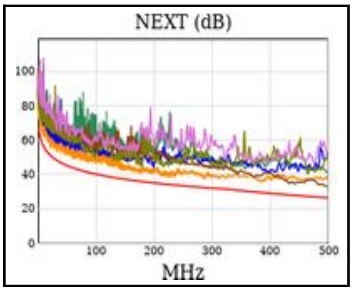
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

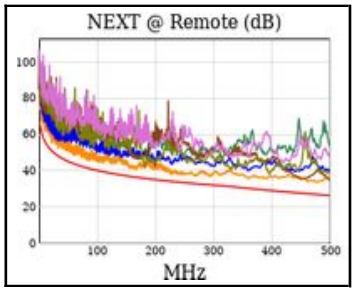


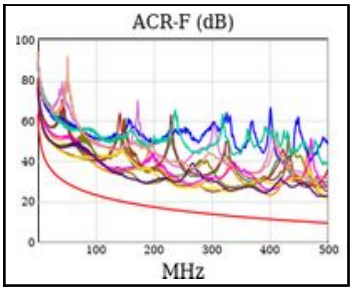
PASS

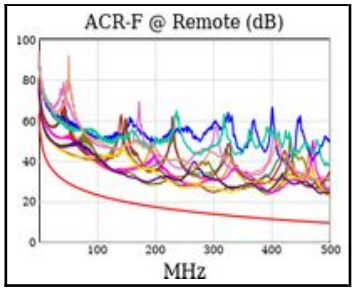


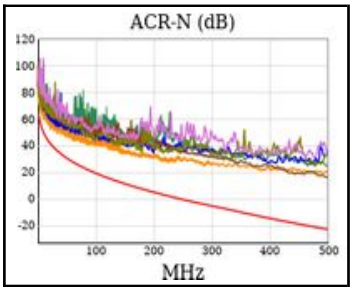


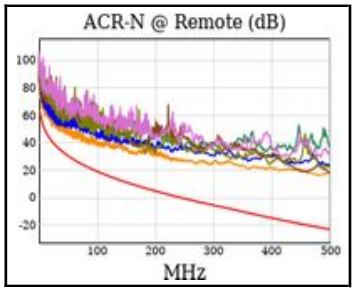


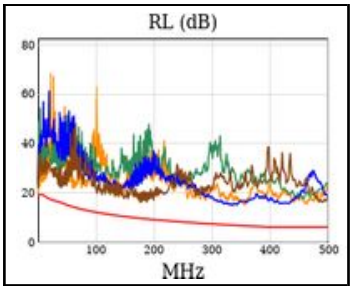


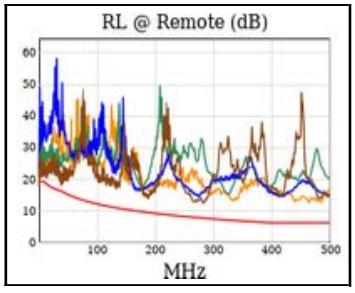












FLUKE networks

LinkWare Live

Cable ID: 121-A

Test Summary: PASS

Date / Time: 11/26/2022 06:09:36 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	50
Prop. Delay (ns), Limit 555	[Pair 4,5]	79
Delay Skew (ns), Limit 50	[Pair 4,5]	4
Resistance (ohms)	[Pair 7,8]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	39.8
Frequency (MHz)	[Pair 3,6]	486.0
Limit (dB)	[Pair 3,6]	48.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.6	2.4	2.6	3.0
Freq. (MHz)	369.0	229.5	496.0	469.0
Limit (dB)	29.7	33.8	26.2	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.1	4.1	4.8	4.4
Freq. (MHz)	436.0	230.0	496.0	486.0
Limit (dB)	24.8	30.8	23.3	23.6

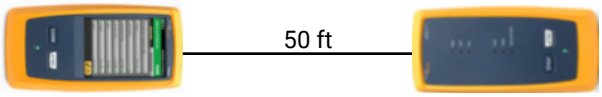
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	11.4	9.8	11.4
Freq. (MHz)	495.0	495.0	495.0	495.0
Limit (dB)	9.4	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.6	11.7	12.7
Freq. (MHz)	495.0	7.3	495.0	469.0
Limit (dB)	6.4	43.1	6.4	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	11.7	44.8	43.2
Freq. (MHz)	7.9	8.3	496.0	469.0
Limit (dB)	52.5	52.1	-22.9	-20.8
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	13.7	13.6	45.6	44.3
Freq. (MHz)	7.9	7.5	496.0	486.0
Limit (dB)	50.0	50.4	-25.8	-25.0

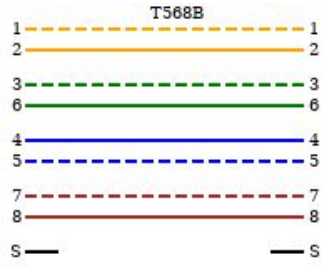
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.5	2.8	3.5	2.8
Freq. (MHz)	479.0	480.0	479.0	480.0
Limit (dB)	6.0	6.0	6.0	6.0

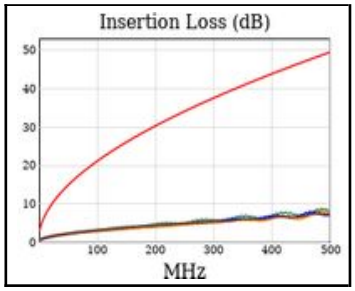
Compliant Network Standards:

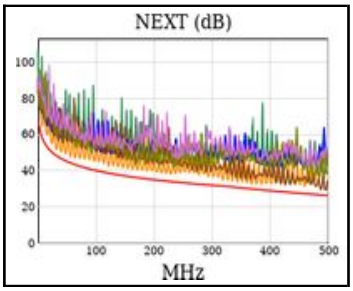
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

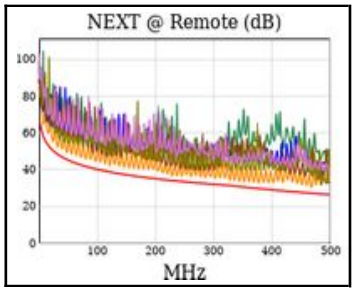


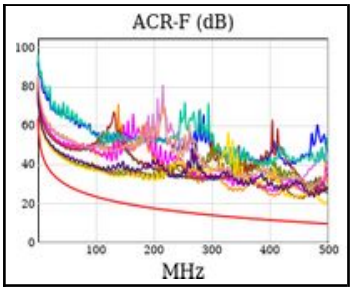
PASS

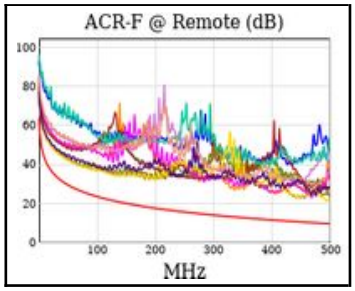


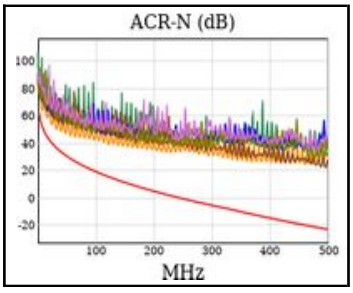


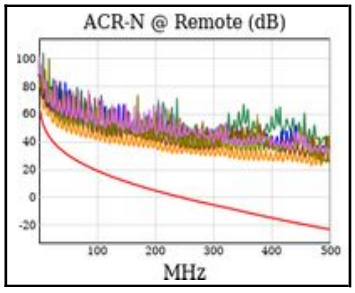


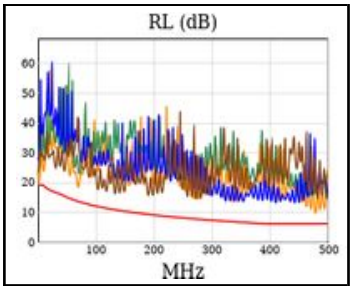


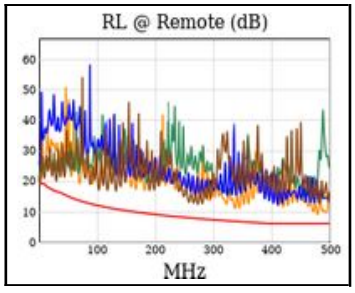












FLUKE networks

LinkWare Live

Cable ID: 120-2-A

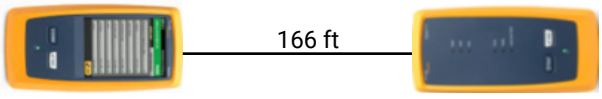
Test Summary: PASS

Date / Time: 12/17/2022 04:09:28 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

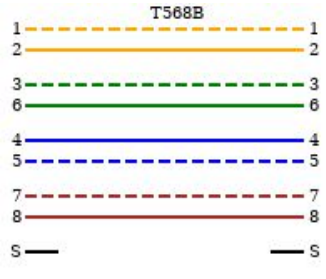
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	166
Prop. Delay (ns), Limit 555	[Pair 4,5]	259
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.9
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

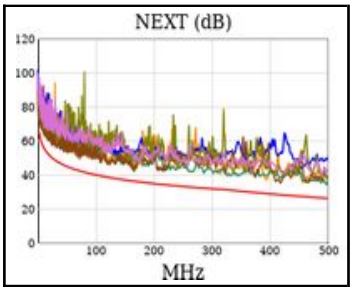


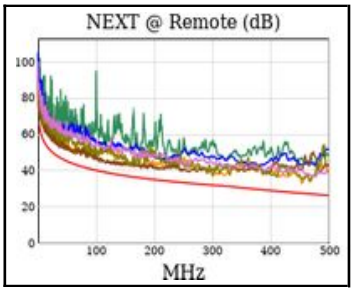
PASS



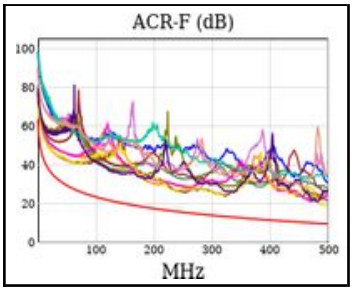


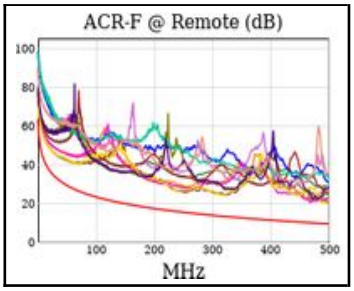
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
NEXT (dB)	5.6	4.6	7.8	5.3
Freq. (MHz)	167.0	124.5	498.0	454.0
Limit (dB)	36.1	38.3	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.9	4.5	8.8	6.0
Freq. (MHz)	167.0	156.5	498.0	455.0
Limit (dB)	33.2	33.7	23.3	24.3



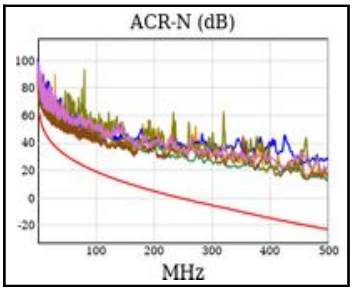


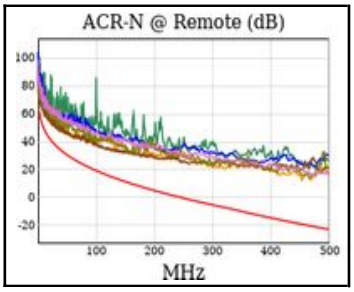
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	10.4	9.4	10.4
Freq. (MHz)	497.0	497.0	497.0	497.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.2	9.9	10.2
Freq. (MHz)	488.0	484.0	488.0	484.0
Limit (dB)	6.5	6.6	6.5	6.6



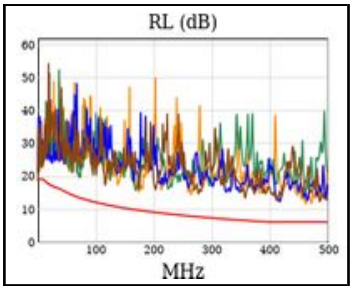


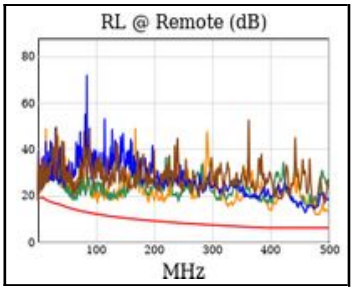
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	8.2	7.3	35.3	31.5
Freq. (MHz)	3.8	3.8	498.0	455.0
Limit (dB)	59.5	59.5	-23.1	-19.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.0	7.7	33.4	32.6
Freq. (MHz)	3.9	3.9	465.0	468.0
Limit (dB)	56.7	56.7	-23.3	-23.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.3	3.9	5.5	5.6
Freq. (MHz)	175.0	59.8	473.0	484.0
Limit (dB)	9.6	14.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-2-B

Test Summary: PASS

Date / Time: 12/17/2022 04:10:35 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	168
Prop. Delay (ns), Limit 555	[Pair 4,5]	263
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	26.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-4,5	3,6-7,8
NEXT (dB)	7.5	3.3	8.8	3.9
Freq. (MHz)	20.8	79.0	498.0	304.0
Limit (dB)	51.4	41.7	26.1	31.6
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.6	3.7	8.8	6.8
Freq. (MHz)	6.0	92.0	488.0	391.0
Limit (dB)	57.7	37.7	23.5	26.1

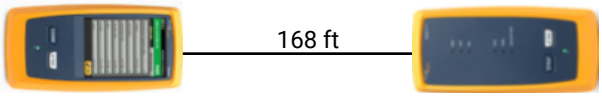
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	1,2-3,6	3,6-1,2	1,2-3,6
ACR-F (dB)	10.5	10.4	10.5	10.4
Freq. (MHz)	474.0	477.0	474.0	477.0
Limit (dB)	9.7	9.7	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.5	11.6	11.5
Freq. (MHz)	472.0	470.0	472.0	470.0
Limit (dB)	6.8	6.8	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	10.1	8.7	35.8	37.7
Freq. (MHz)	3.8	3.8	499.0	497.0
Limit (dB)	59.5	59.5	-23.1	-23.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.9	7.4	36.2	36.9
Freq. (MHz)	3.9	3.8	498.0	497.0
Limit (dB)	56.7	57.0	-25.9	-25.8

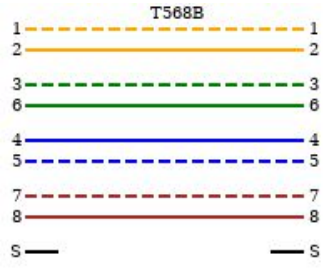
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	1,2
RL (dB)	6.6	4.6	8.0	5.0
Freq. (MHz)	107.5	58.8	459.0	491.0
Limit (dB)	11.7	14.3	6.0	6.0

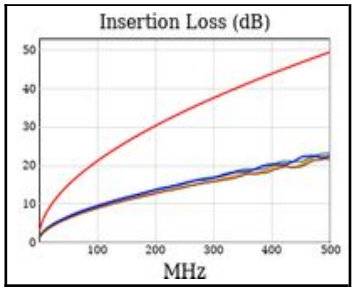
Compliant Network Standards:

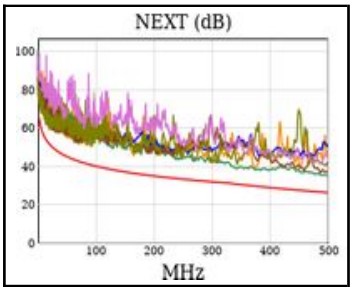
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

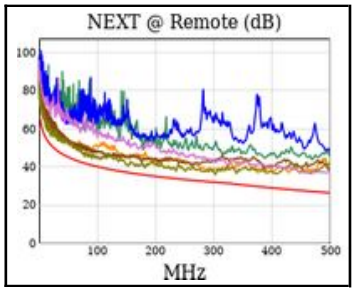


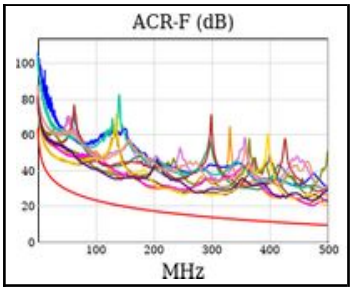
PASS

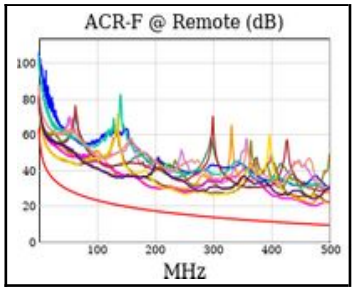


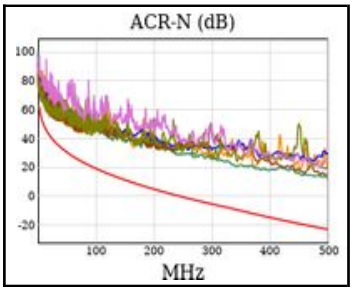


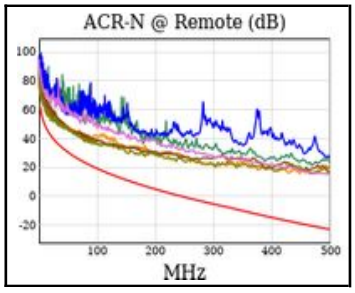


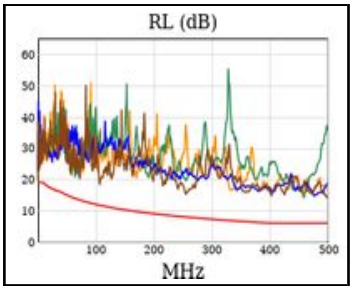


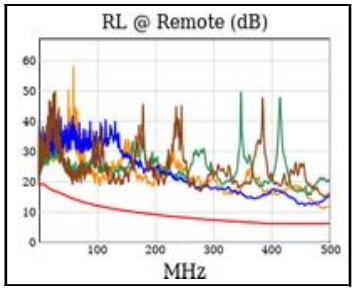












FLUKE networks

LinkWare Live

Cable ID: 120-A

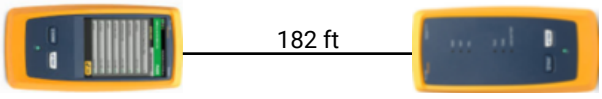
Test Summary: PASS

Date / Time: 12/19/2022 02:14:32 PM
Headroom: 6.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

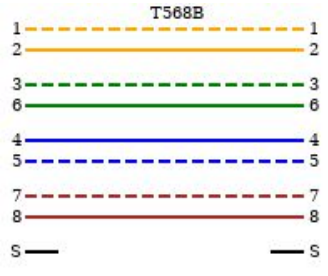
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

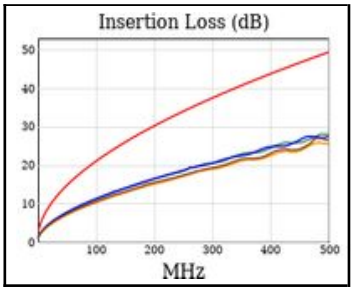
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

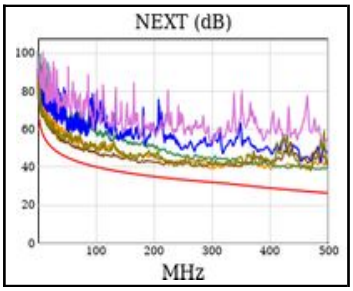
Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	288
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	12.0
Insertion Loss Margin (dB)	[Pair 3,6]	21.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

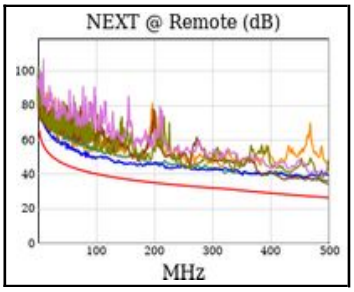


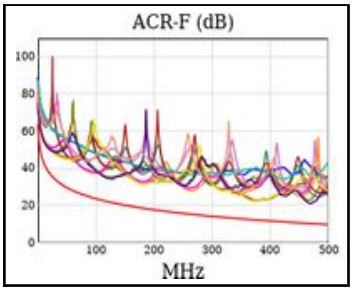
PASS

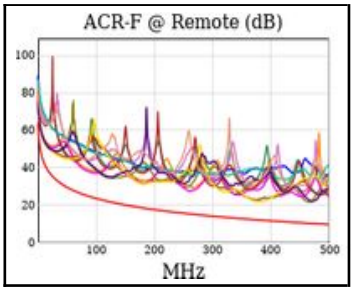


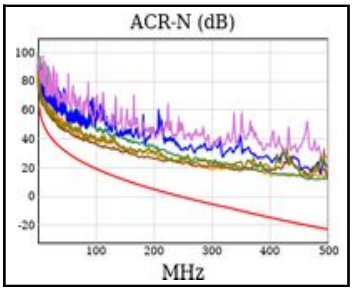


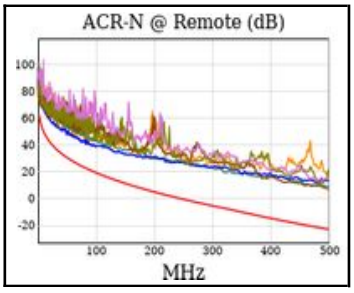


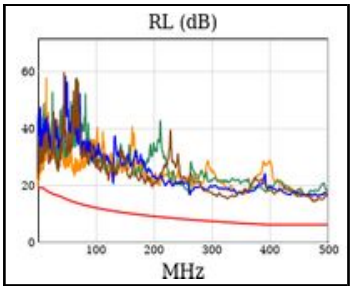


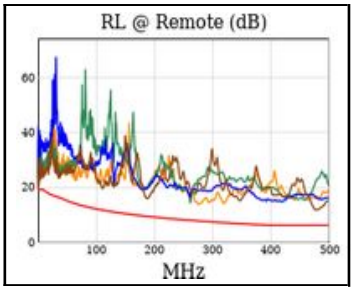












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	6.1	7.9	10.8	7.9
Freq. (MHz)	175.0	500.0	471.0	500.0
Limit (dB)	35.8	26.1	26.8	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.6	8.2	11.2	8.2
Freq. (MHz)	80.0	500.0	471.0	500.0
Limit (dB)	38.7	23.2	23.9	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.0	9.8	10.7	11.3
Freq. (MHz)	371.0	379.0	471.0	466.0
Limit (dB)	11.9	11.7	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.0	12.9	12.9
Freq. (MHz)	6.0	5.8	470.0	463.0
Limit (dB)	44.7	45.1	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	9.1	10.4	33.5	29.7
Freq. (MHz)	3.4	3.4	486.0	500.0
Limit (dB)	60.4	60.4	-22.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	11.8	32.0	30.0
Freq. (MHz)	7.1	3.6	471.0	500.0
Limit (dB)	50.9	57.3	-23.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.6	4.4	8.2	5.6
Freq. (MHz)	10.5	10.1	476.0	481.0
Limit (dB)	18.9	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-B

Test Summary: PASS

Date / Time: 12/19/2022 02:14:53 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	288
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	12.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.9	6.6	8.7	6.6
Freq. (MHz)	229.5	500.0	499.0	500.0
Limit (dB)	33.8	26.1	26.1	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.7	7.3	8.8	7.3
Freq. (MHz)	227.0	500.0	460.0	500.0
Limit (dB)	30.9	23.2	24.2	23.2

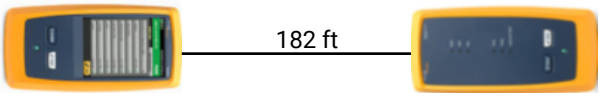
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.2	9.6	11.9	9.6
Freq. (MHz)	383.0	386.0	474.0	386.0
Limit (dB)	11.6	11.5	9.7	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.6	13.4	11.3
Freq. (MHz)	5.6	5.8	489.0	407.0
Limit (dB)	45.3	45.1	6.5	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	10.7	29.5	28.0
Freq. (MHz)	3.5	3.5	499.0	500.0
Limit (dB)	60.1	60.1	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	11.5	31.3	28.7
Freq. (MHz)	3.4	3.5	500.0	500.0
Limit (dB)	57.9	57.6	-26.1	-26.1

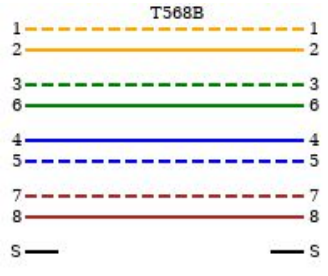
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.4	4.7	8.2	5.2
Freq. (MHz)	10.5	10.0	482.0	490.0
Limit (dB)	18.9	19.0	6.0	6.0

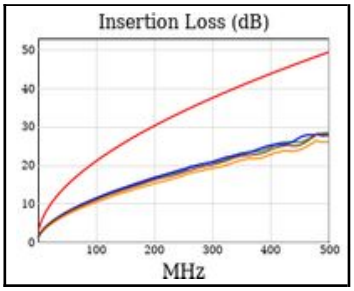
Compliant Network Standards:

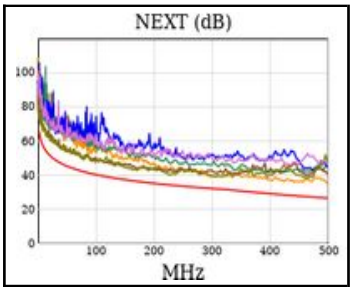
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

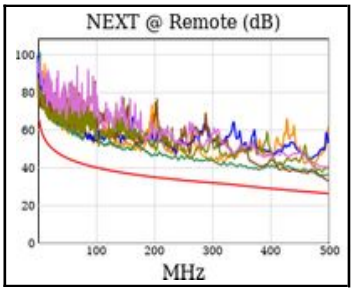


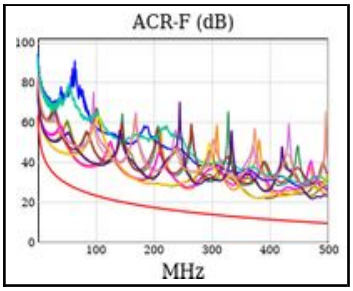
PASS

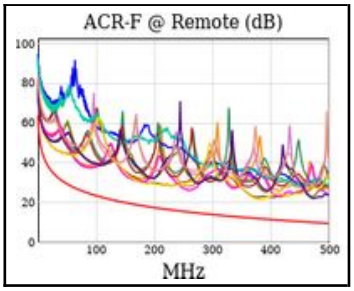


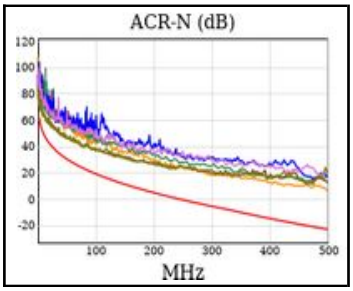


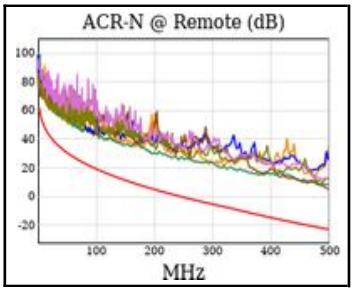


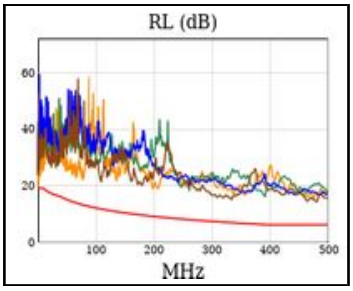


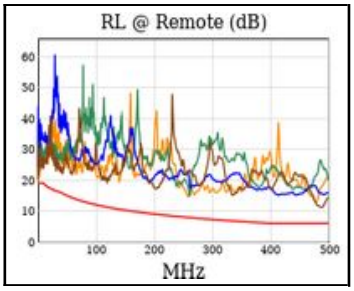












FLUKE networks

LinkWare Live

Cable ID: 121-A

Test Summary: PASS

Date / Time: 12/19/2022 02:16:32 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	153
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	6.7	7.1	8.8
Freq. (MHz)	4.1	215.0	457.0	500.0
Limit (dB)	62.8	34.2	27.2	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.1	7.3	8.2	8.0
Freq. (MHz)	232.5	214.5	454.0	484.0
Limit (dB)	30.7	31.3	24.3	23.6

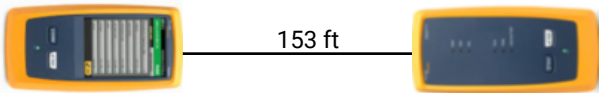
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.2	9.1	9.4	9.5
Freq. (MHz)	242.0	237.0	495.0	495.0
Limit (dB)	15.6	15.8	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	9.7	11.1	9.7
Freq. (MHz)	418.0	495.0	498.0	495.0
Limit (dB)	7.8	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.4	9.5	32.9	34.8
Freq. (MHz)	4.1	4.3	480.0	500.0
Limit (dB)	58.6	58.3	-21.6	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	10.6	33.7	34.5
Freq. (MHz)	4.1	4.3	467.0	500.0
Limit (dB)	56.1	55.8	-23.5	-26.1

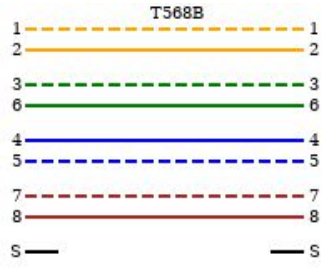
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	7.8	5.8	8.4	7.7
Freq. (MHz)	22.3	135.5	475.0	500.0
Limit (dB)	17.3	10.7	6.0	6.0

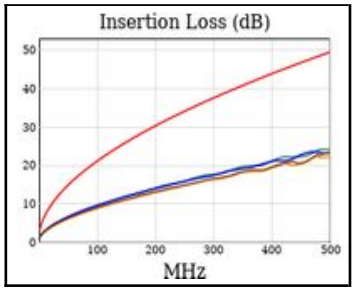
Compliant Network Standards:

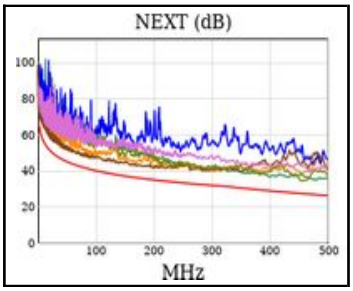
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

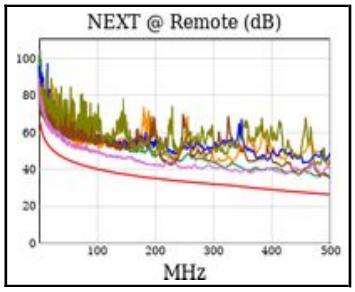


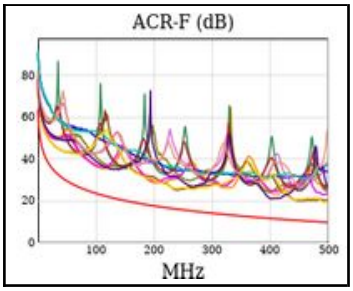
PASS

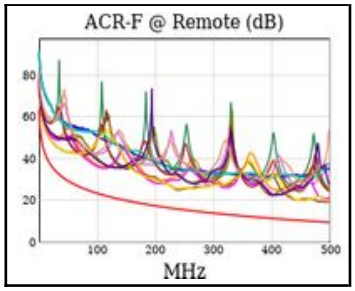


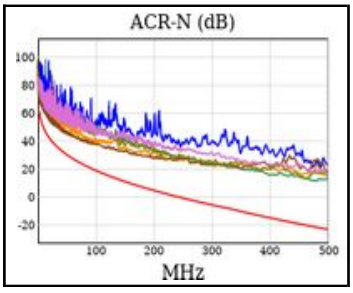


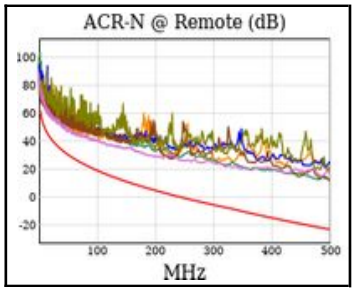


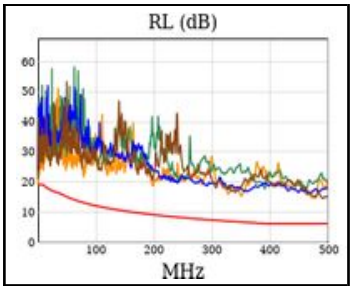


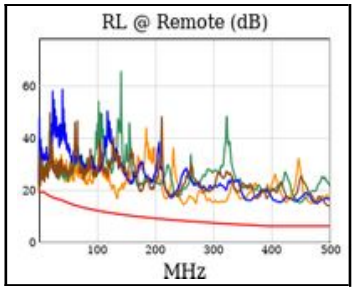












FLUKE networks

LinkWare Live

Cable ID: 120-2-A

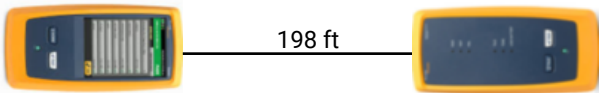
Test Summary: PASS

Date / Time: 11/26/2022 01:09:19 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

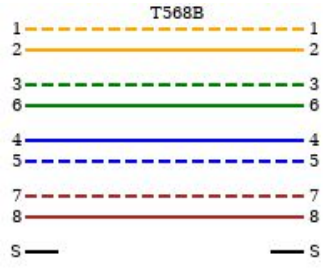
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

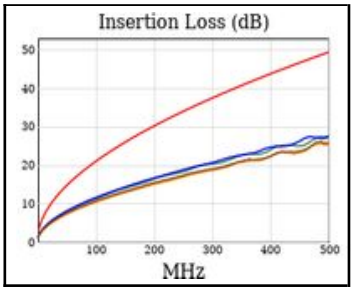
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

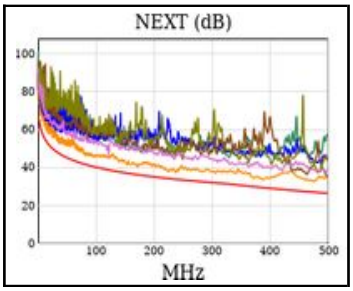
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 3,6]	307
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 7,8]	12.3
Insertion Loss Margin (dB)	[Pair 3,6]	21.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

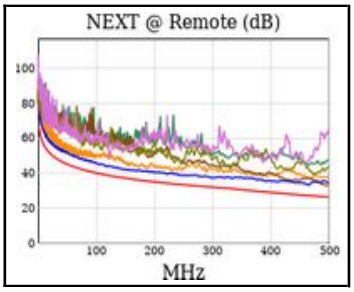


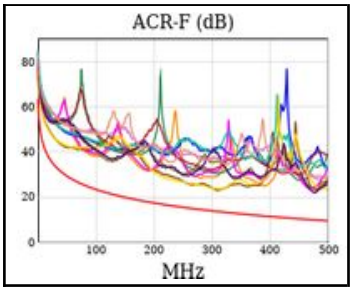
PASS

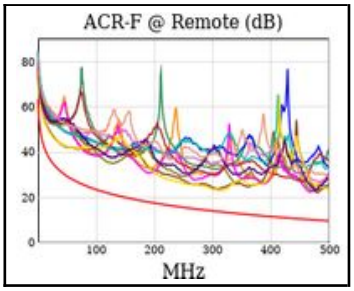


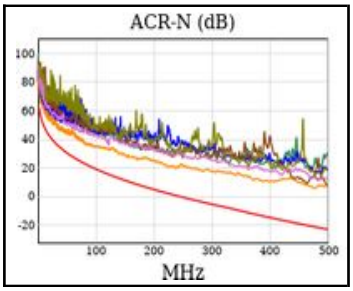


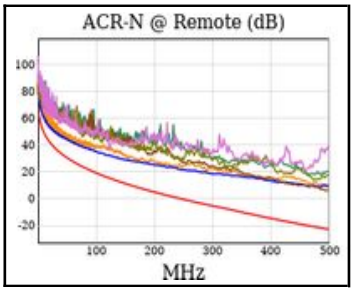


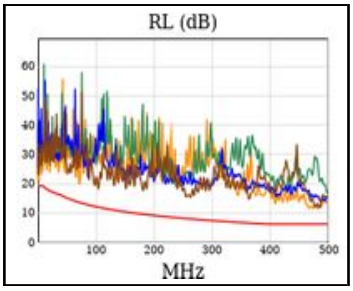


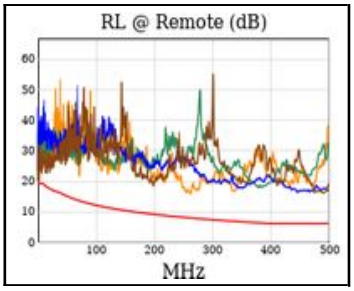












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.5	4.8	5.6	6.6
Freq. (MHz)	238.5	148.5	477.0	500.0
Limit (dB)	33.5	37.0	26.7	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.5	5.8	7.7	7.9
Freq. (MHz)	238.5	154.5	478.0	500.0
Limit (dB)	30.5	33.8	23.7	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	9.3	9.4	12.1	12.0
Freq. (MHz)	311.0	311.0	480.0	481.0
Limit (dB)	13.4	13.4	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	10.9	11.8	11.1
Freq. (MHz)	260.0	266.0	481.0	483.0
Limit (dB)	12.0	11.8	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	8.7	26.9	28.7
Freq. (MHz)	5.3	5.1	477.0	500.0
Limit (dB)	56.4	56.6	-21.4	-23.2
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.0	9.5	30.1	29.8
Freq. (MHz)	5.3	5.3	498.0	500.0
Limit (dB)	53.9	53.9	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.3	4.3	5.3	7.8
Freq. (MHz)	484.0	14.1	484.0	263.0
Limit (dB)	6.0	18.3	6.0	7.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-2-B

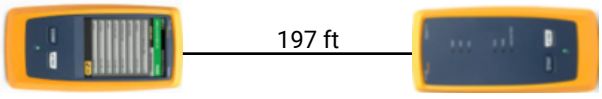
Test Summary: PASS

Date / Time: 11/26/2022 01:10:07 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

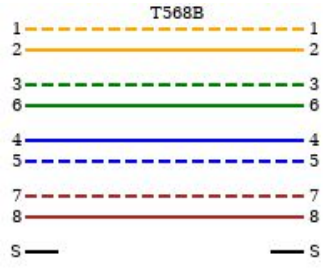
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 3,6]	306
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 7,8]	12.0
Insertion Loss Margin (dB)	[Pair 3,6]	21.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

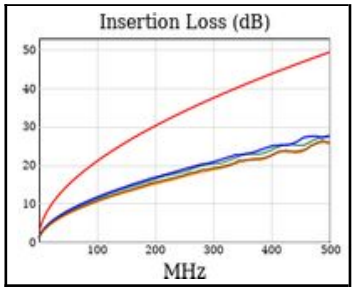


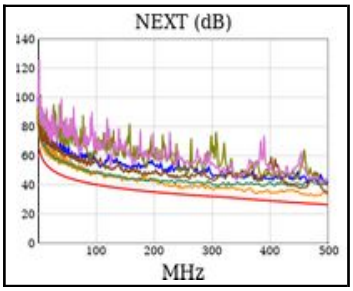
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	4.5	5.4	4.5
Freq. (MHz)	250.0	499.0	478.0	499.0
Limit (dB)	33.1	26.1	26.6	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.4	6.5	6.9	6.5
Freq. (MHz)	250.0	499.0	500.0	499.0
Limit (dB)	30.2	23.3	23.2	23.3

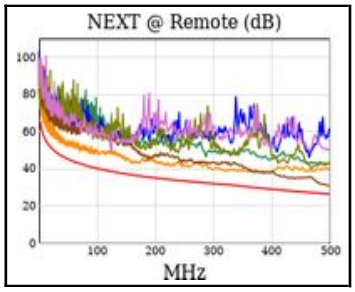
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.3	9.7	9.3	9.9
Freq. (MHz)	452.0	451.0	452.0	458.0
Limit (dB)	10.2	10.2	10.2	10.0
Worst Pair	4,5	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.6	11.4	11.4
Freq. (MHz)	450.0	192.5	462.0	468.0
Limit (dB)	7.2	14.6	7.0	6.9

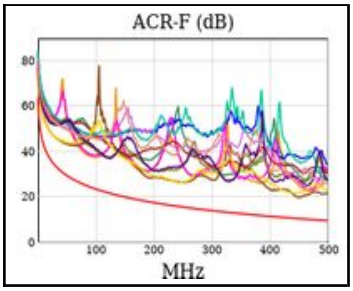
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	9.2	26.8	26.3
Freq. (MHz)	5.1	5.1	478.0	499.0
Limit (dB)	56.6	56.6	-21.5	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.4	28.6	28.2
Freq. (MHz)	3.3	3.4	500.0	499.0
Limit (dB)	58.2	57.9	-26.1	-26.0

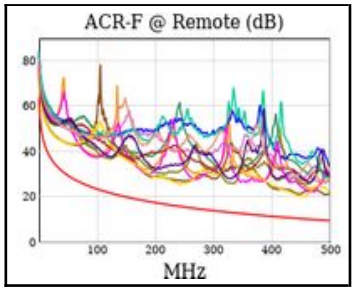
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.3	4.1	4.3	8.1
Freq. (MHz)	500.0	21.1	500.0	490.0
Limit (dB)	6.0	17.4	6.0	6.0

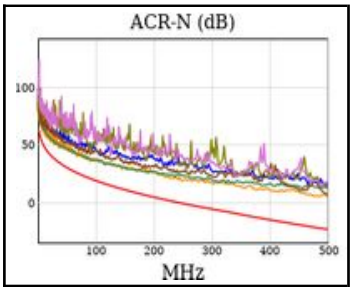


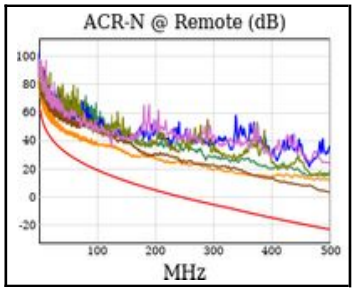


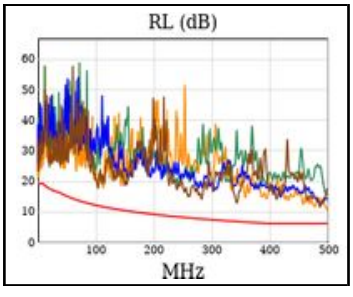


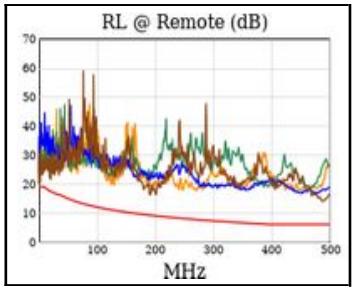












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-A

Test Summary: PASS

Date / Time: 12/03/2022 01:13:35 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	275
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	23.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.0	5.4	4.0	7.5
Freq. (MHz)	495.0	74.5	495.0	458.0
Limit (dB)	26.2	42.1	26.2	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.8	4.8	6.2	8.0
Freq. (MHz)	387.0	74.3	495.0	457.0
Limit (dB)	26.2	39.3	23.3	24.3

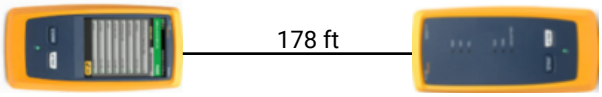
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	10.0	9.9	10.0
Freq. (MHz)	431.0	431.0	431.0	431.0
Limit (dB)	10.6	10.6	10.6	10.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.9	12.1	12.0	12.3
Freq. (MHz)	431.0	398.0	432.0	431.0
Limit (dB)	7.6	8.3	7.5	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	10.0	8.6	27.5	34.7
Freq. (MHz)	3.8	3.6	495.0	500.0
Limit (dB)	59.5	59.8	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	7.6	29.5	34.6
Freq. (MHz)	3.6	3.8	497.0	499.0
Limit (dB)	57.3	57.0	-25.8	-26.0

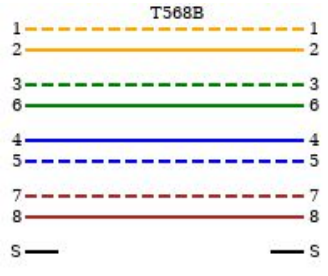
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.4	4.1	7.4	5.6
Freq. (MHz)	16.0	128.0	475.0	462.0
Limit (dB)	18.0	10.9	6.0	6.0

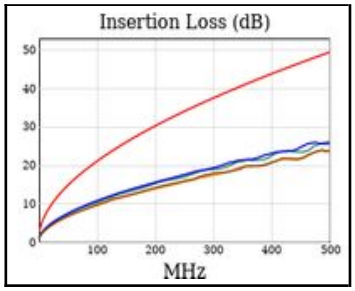
Compliant Network Standards:

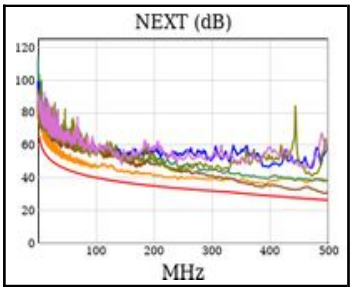
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

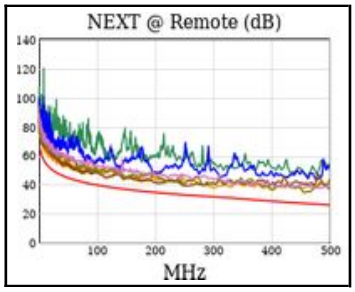


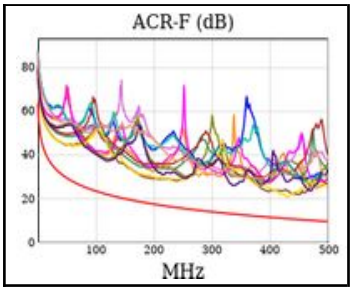
PASS

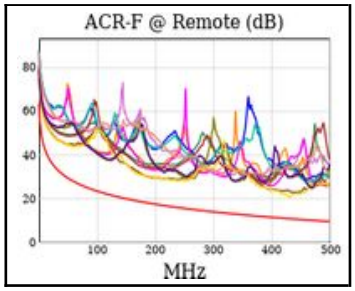


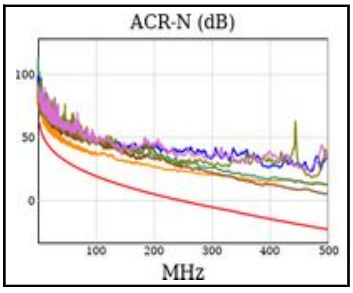


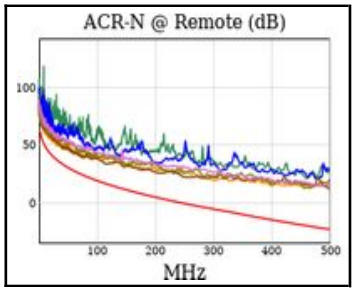


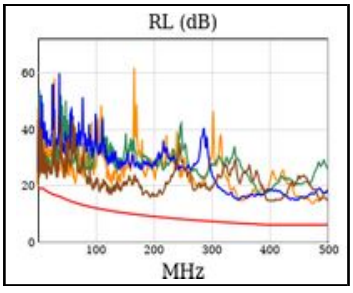


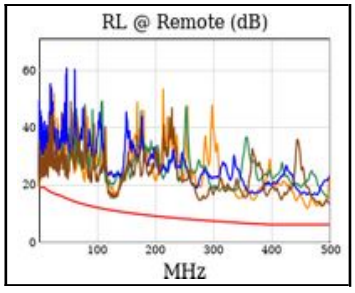












FLUKE networks

LinkWare Live

Cable ID: 120-B

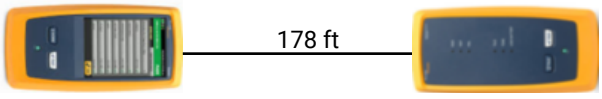
Test Summary: PASS

Date / Time: 12/03/2022 01:20:45 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

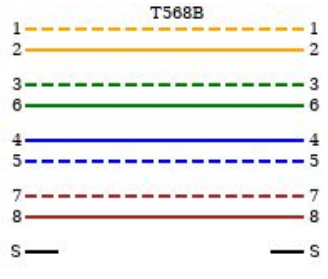
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

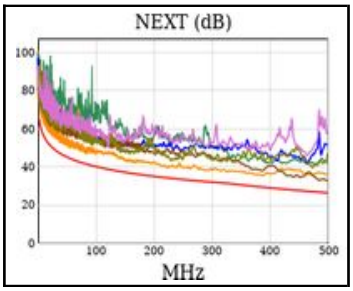
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	275
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	23.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

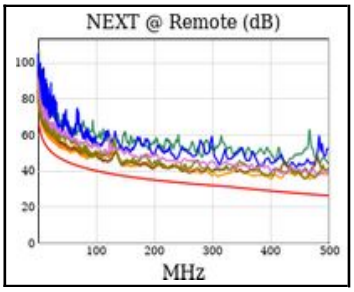


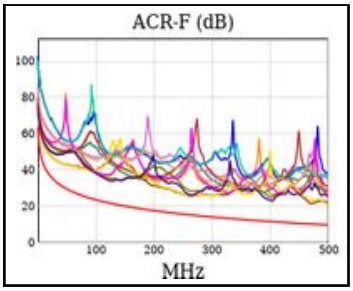
PASS

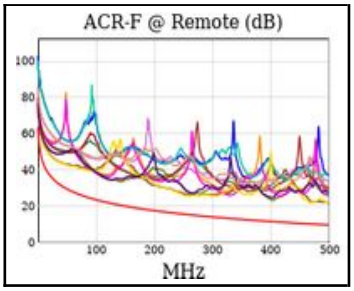


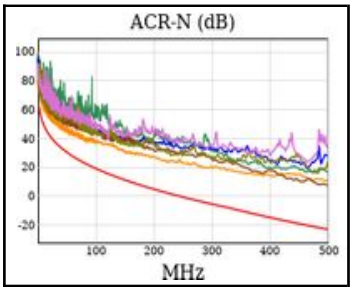


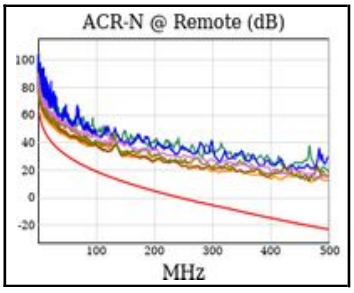


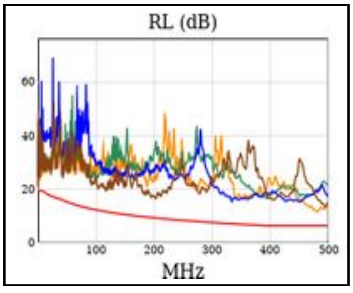


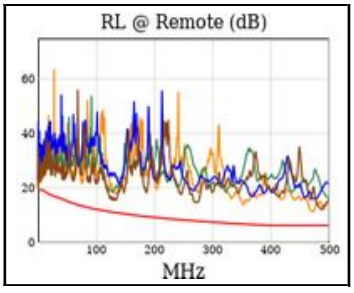












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	4.8	6.2	8.2
Freq. (MHz)	84.5	84.5	500.0	468.0
Limit (dB)	41.2	41.2	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	4.1	7.4	7.8
Freq. (MHz)	84.5	145.5	500.0	468.0
Limit (dB)	38.3	34.3	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.3	11.2	11.9
Freq. (MHz)	260.0	261.0	471.0	500.0
Limit (dB)	15.0	14.9	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.8	12.3	12.5
Freq. (MHz)	6.1	6.0	500.0	500.0
Limit (dB)	44.5	44.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	8.4	30.3	31.9
Freq. (MHz)	5.8	5.8	500.0	468.0
Limit (dB)	55.6	55.6	-23.2	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	8.4	31.1	31.5
Freq. (MHz)	3.9	3.6	500.0	468.0
Limit (dB)	56.7	57.3	-26.1	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	4.4	5.1	5.1
Freq. (MHz)	483.0	134.0	483.0	475.0
Limit (dB)	6.0	10.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-A

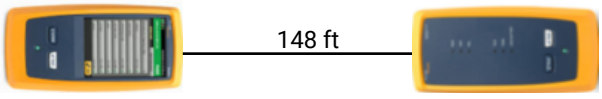
Test Summary: PASS

Date / Time: 12/10/2022 02:40:03 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

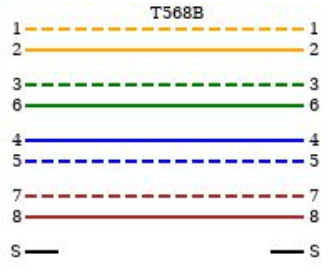
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

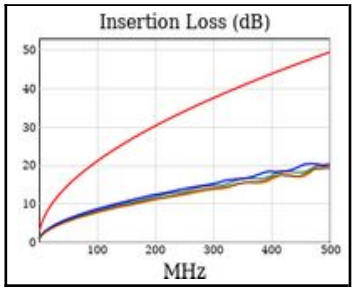
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

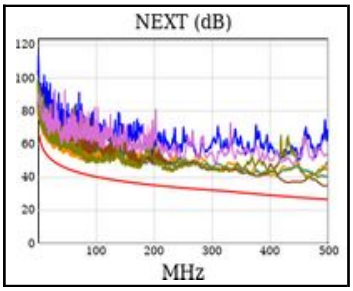
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	233
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.8
Insertion Loss Margin (dB)	[Pair 4,5]	27.2
Frequency (MHz)	[Pair 4,5]	468.0
Limit (dB)	[Pair 4,5]	47.6

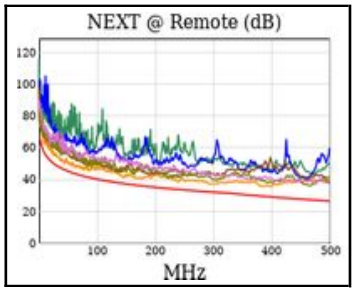


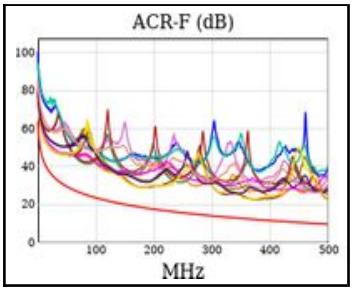
PASS

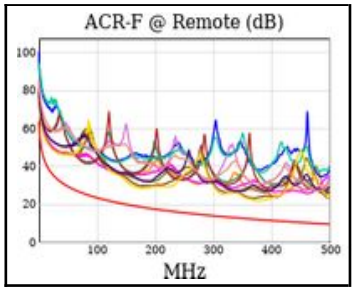


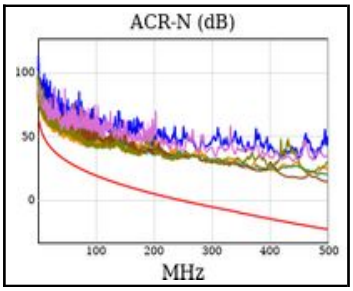


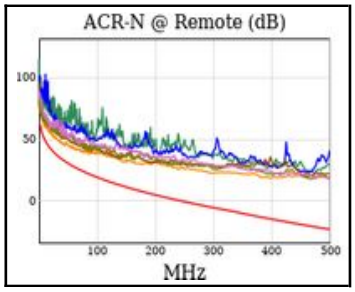


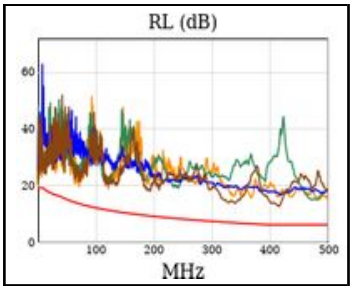


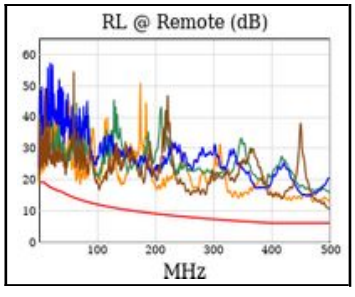












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.1	3.8	7.8	6.4
Freq. (MHz)	83.8	146.5	496.0	398.0
Limit (dB)	41.2	37.1	26.2	28.8
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	7.0	3.9	9.6	9.0
Freq. (MHz)	86.5	86.5	496.0	464.0
Limit (dB)	38.2	38.2	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	9.6	10.7	9.8
Freq. (MHz)	173.5	171.0	383.0	378.0
Limit (dB)	18.5	18.6	11.6	11.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.6	11.6	11.9
Freq. (MHz)	358.0	178.0	402.0	384.0
Limit (dB)	9.2	15.2	8.2	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	11.8	9.2	36.9	38.0
Freq. (MHz)	2.6	9.5	496.0	467.0
Limit (dB)	61.6	50.6	-22.9	-20.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.7	9.0	38.7	40.0
Freq. (MHz)	4.5	4.4	496.0	500.0
Limit (dB)	55.3	55.6	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	5.9	4.3	6.4	4.3
Freq. (MHz)	71.8	500.0	417.0	500.0
Limit (dB)	13.4	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-B

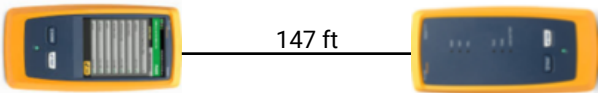
Test Summary: PASS

Date / Time: 12/10/2022 03:29:03 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

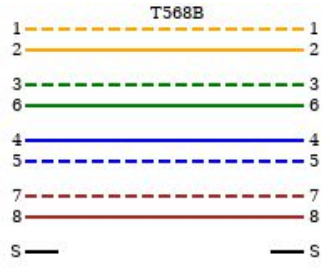
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

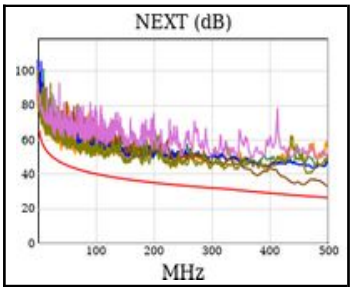
Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 4,5]	231
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 4,5]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.9
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

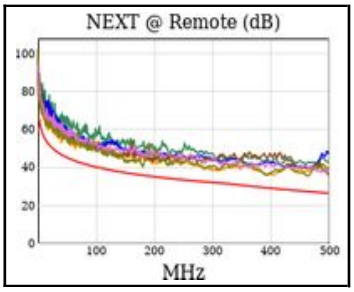


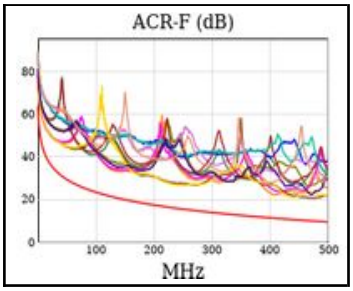
PASS

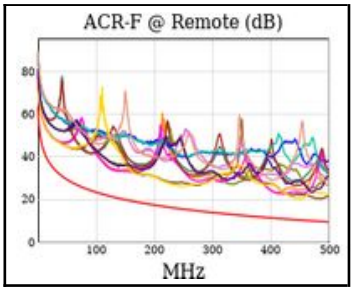


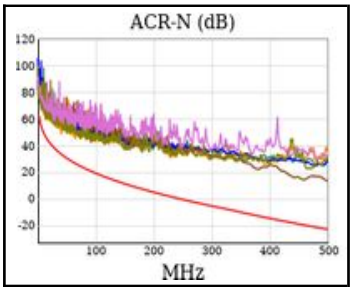


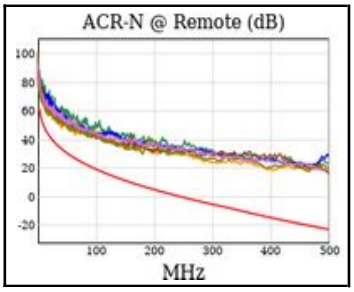


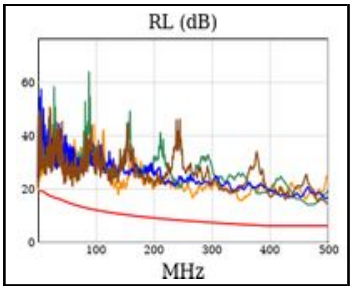


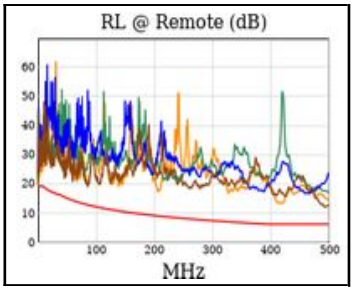












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.6	4.4	6.7	8.0
Freq. (MHz)	461.0	181.0	500.0	464.0
Limit (dB)	27.1	35.5	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.6	5.4	9.3	8.3
Freq. (MHz)	41.0	181.5	500.0	466.0
Limit (dB)	43.7	32.6	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.0	10.7	10.6
Freq. (MHz)	442.0	446.0	478.0	486.0
Limit (dB)	10.3	10.3	9.7	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.6	10.9	11.7
Freq. (MHz)	440.0	468.0	442.0	469.0
Limit (dB)	7.4	6.9	7.3	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	13.1	11.7	36.3	39.1
Freq. (MHz)	7.0	4.1	500.0	500.0
Limit (dB)	53.7	58.6	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	10.1	38.7	38.4
Freq. (MHz)	6.8	4.4	500.0	500.0
Limit (dB)	51.5	55.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	7,8
RL (dB)	6.5	5.7	7.9	5.7
Freq. (MHz)	46.5	494.0	475.0	494.0
Limit (dB)	15.3	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-A

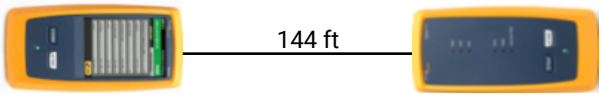
Test Summary: PASS

Date / Time: 11/22/2022 01:15:26 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

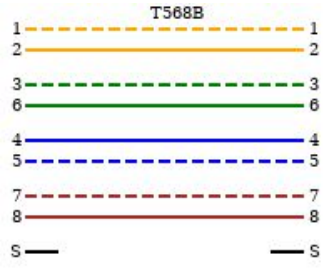
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

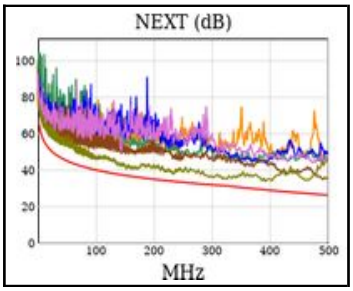
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 3,6]	222
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 4,5]	26.5
Frequency (MHz)	[Pair 4,5]	471.0
Limit (dB)	[Pair 4,5]	47.7

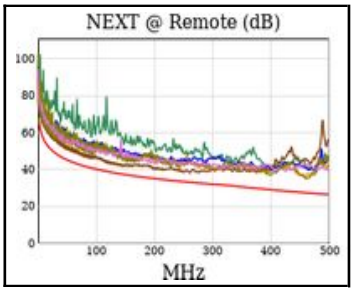


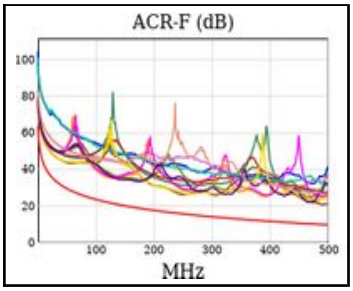
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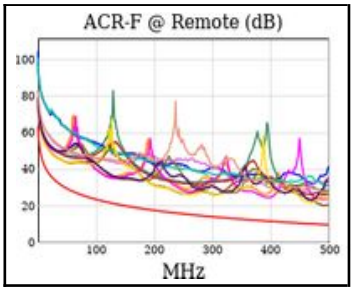


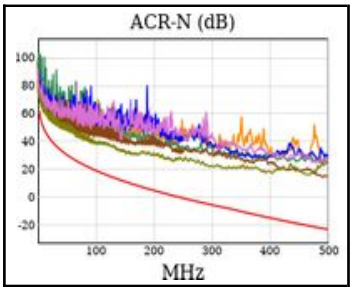


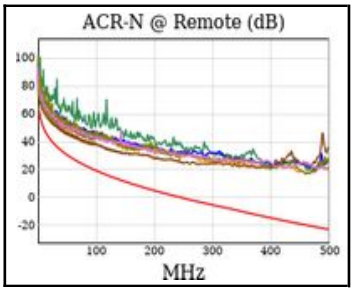


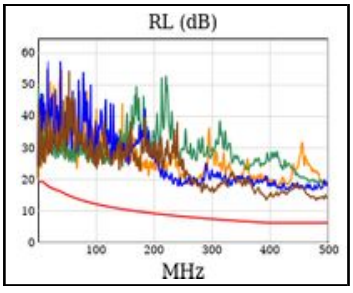


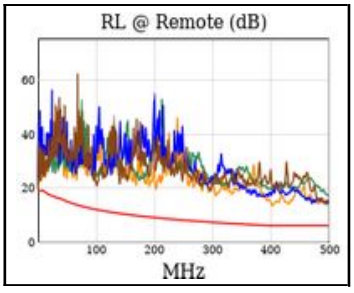












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	3.6	4.2	4.5	7.5
Freq. (MHz)	320.0	145.0	393.0	462.0
Limit (dB)	31.3	37.2	28.9	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	4.4	9.0	7.9
Freq. (MHz)	152.5	153.0	467.0	461.0
Limit (dB)	33.9	33.9	24.0	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.4	11.0	10.4
Freq. (MHz)	248.0	494.0	494.0	494.0
Limit (dB)	15.4	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.4	10.8	11.4
Freq. (MHz)	477.0	492.0	477.0	492.0
Limit (dB)	6.7	6.4	6.7	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.6	8.6	36.7	36.6
Freq. (MHz)	2.5	4.5	492.0	462.0
Limit (dB)	61.7	57.8	-22.6	-20.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	8.4	38.2	36.5
Freq. (MHz)	4.6	4.6	492.0	468.0
Limit (dB)	55.1	55.1	-25.5	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.0	7.2	7.0	7.2
Freq. (MHz)	480.0	405.0	480.0	405.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 120-B

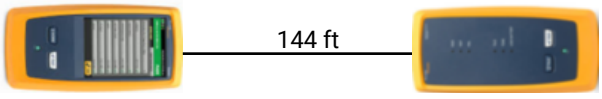
Test Summary: PASS

Date / Time: 11/22/2022 01:17:04 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

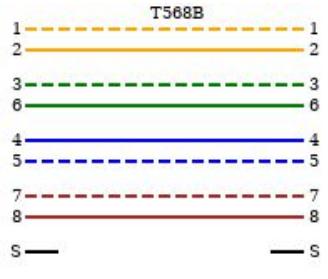
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 3,6]	222
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 7,8]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS

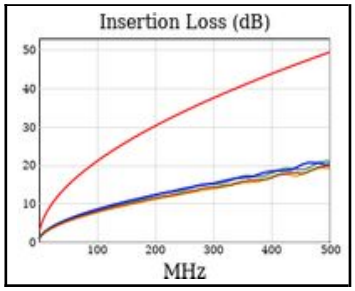


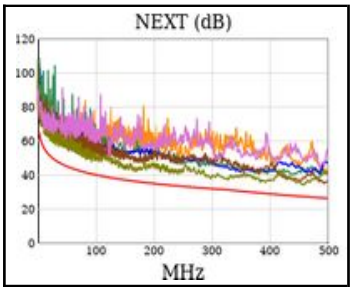
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	5.4	4.7	6.8	8.1
Freq. (MHz)	299.0	125.0	458.0	465.0
Limit (dB)	31.8	38.3	27.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.7	4.8	7.8	6.5
Freq. (MHz)	170.0	153.0	455.0	403.0
Limit (dB)	33.1	33.9	24.3	25.7

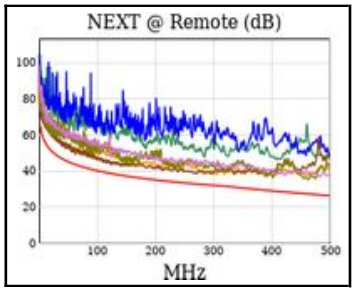
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.0	9.9	11.1	11.5
Freq. (MHz)	316.0	322.0	478.0	480.0
Limit (dB)	13.3	13.1	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.3	12.5	13.3
Freq. (MHz)	343.0	354.0	483.0	491.0
Limit (dB)	9.6	9.3	6.6	6.4

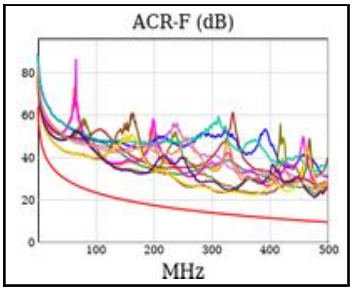
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.8	9.7	37.3	37.5
Freq. (MHz)	4.6	4.6	494.0	475.0
Limit (dB)	57.6	57.6	-22.7	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	9.7	38.0	37.1
Freq. (MHz)	4.6	4.6	494.0	475.0
Limit (dB)	55.1	55.1	-25.6	-24.1

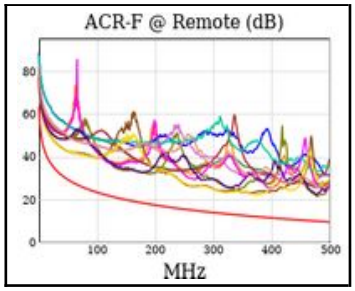
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	4,5
RL (dB)	6.9	7.2	7.2	8.6
Freq. (MHz)	132.0	20.0	495.0	483.0
Limit (dB)	10.8	17.5	6.0	6.0

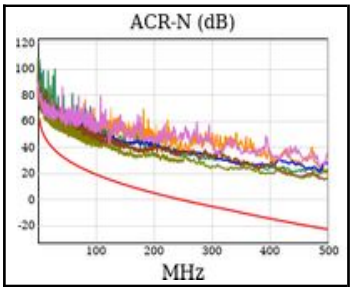


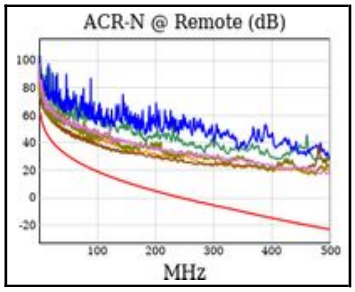


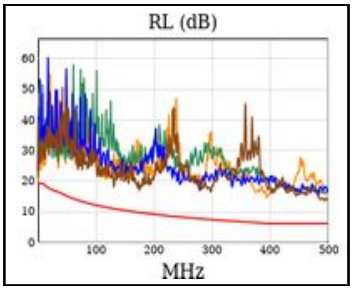


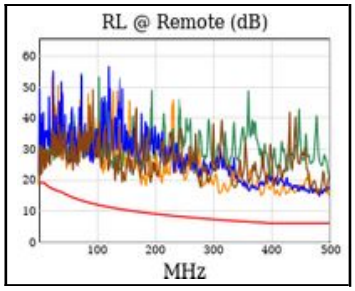












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-1-A

Test Summary: PASS

Date / Time: 12/17/2022 01:07:31 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	156
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	27.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.9	9.2	7.6	9.9
Freq. (MHz)	247.5	38.5	499.0	500.0
Limit (dB)	33.2	46.9	26.1	26.1
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	5.8	9.5	8.4	11.3
Freq. (MHz)	247.5	4.4	499.0	499.0
Limit (dB)	30.2	59.9	23.3	23.3

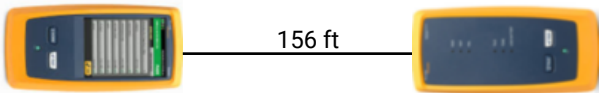
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.4	10.0	9.4
Freq. (MHz)	240.0	440.0	446.0	440.0
Limit (dB)	15.7	10.4	10.3	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.2	10.0	10.7
Freq. (MHz)	465.0	440.0	465.0	463.0
Limit (dB)	6.9	7.4	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.4	11.7	36.3	38.7
Freq. (MHz)	4.4	4.4	499.0	500.0
Limit (dB)	58.1	58.1	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	11.9	36.0	39.0
Freq. (MHz)	4.3	4.0	499.0	486.0
Limit (dB)	55.8	56.4	-26.0	-25.0

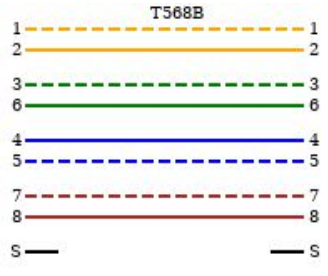
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	3,6
RL (dB)	5.2	7.0	6.3	7.4
Freq. (MHz)	37.5	13.1	493.0	475.0
Limit (dB)	16.1	18.4	6.0	6.0

Compliant Network Standards:

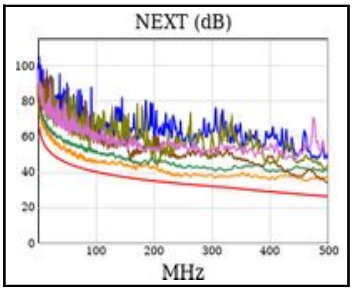
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

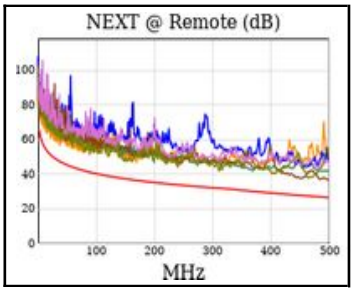


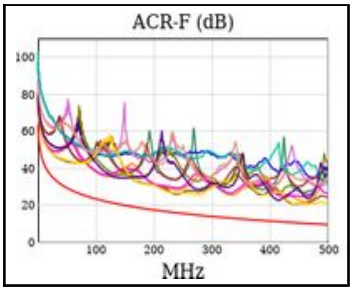
PASS

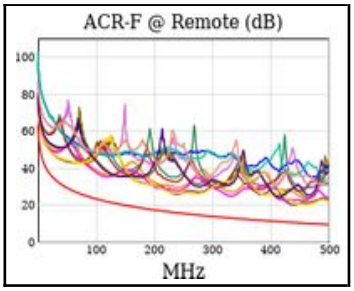


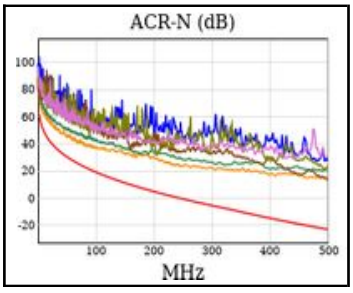


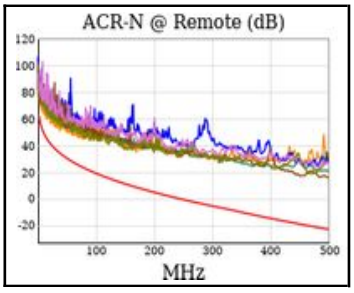


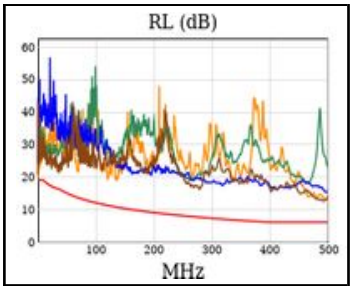


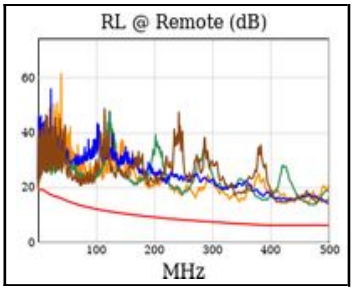












FLUKE networks

LinkWare Live

Cable ID: 121-1-B

Test Summary: PASS

Date / Time: 12/17/2022 01:09:33 PM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	155
Prop. Delay (ns), Limit 555	[Pair 4,5]	246
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-4,5	1,2-7,8	3,6-7,8
NEXT (dB)	1.8	8.3	3.1	8.8
Freq. (MHz)	232.0	156.5	448.0	473.0
Limit (dB)	33.7	36.6	27.4	26.8
Worst Pair	1,2	3,6	1,2	7,8
PS NEXT (dB)	2.3	8.4	4.1	10.4
Freq. (MHz)	234.0	156.5	464.0	474.0
Limit (dB)	30.7	33.7	24.1	23.8

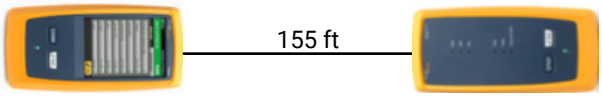
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	10.3	9.9	10.3	9.9
Freq. (MHz)	112.0	424.0	439.0	424.0
Limit (dB)	22.3	10.7	10.4	10.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	9.8	10.4	9.9
Freq. (MHz)	417.0	430.0	445.0	432.0
Limit (dB)	7.9	7.6	7.3	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	9.5	12.3	32.3	37.6
Freq. (MHz)	16.4	4.0	482.0	474.0
Limit (dB)	44.8	58.9	-21.8	-21.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	10.1	11.9	34.1	37.6
Freq. (MHz)	9.0	4.1	500.0	474.0
Limit (dB)	48.6	56.1	-26.1	-24.0

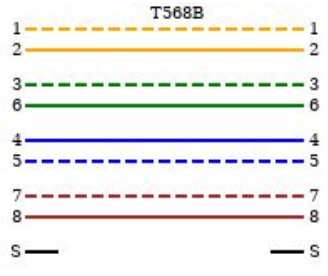
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	4.5	5.5	5.3	6.7
Freq. (MHz)	16.1	68.3	481.0	500.0
Limit (dB)	18.0	13.7	6.0	6.0

Compliant Network Standards:

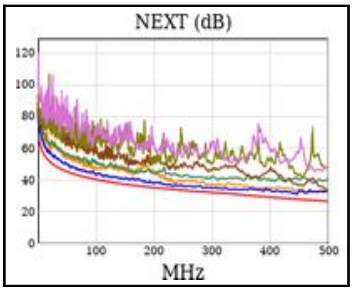
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

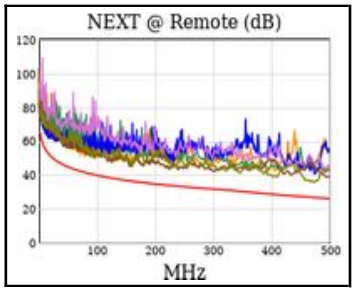


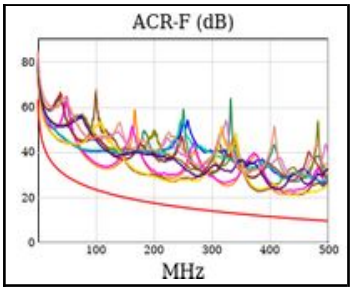
PASS

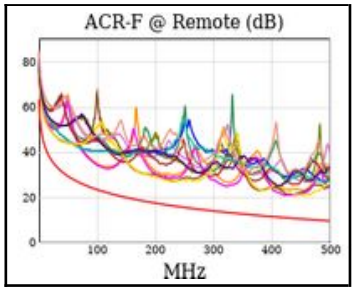


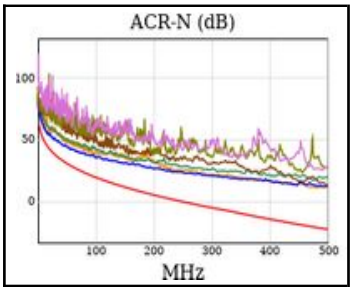


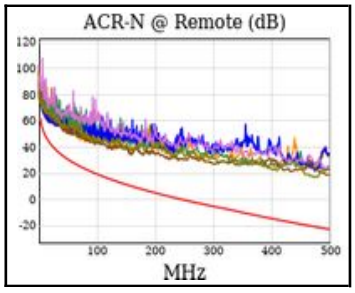


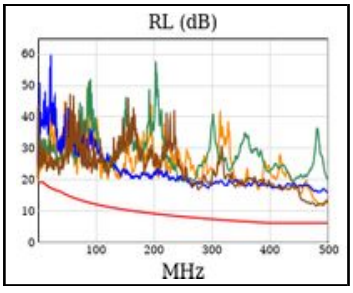


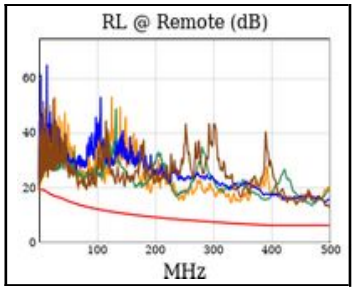












FLUKE networks

LinkWare Live

Cable ID: 121-2-A

Test Summary: PASS

Date / Time: 12/17/2022 01:06:44 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	212
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	15.8
Insertion Loss Margin (dB)	[Pair 3,6]	30.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-7,8
NEXT (dB)	4.1	7.8	6.3	9.4
Freq. (MHz)	238.0	216.5	474.0	454.0
Limit (dB)	33.5	34.2	26.7	27.2
Worst Pair	1,2	1,2	1,2	7,8
PS NEXT (dB)	5.6	8.8	6.9	10.3
Freq. (MHz)	222.0	216.5	474.0	426.0
Limit (dB)	31.1	31.2	23.8	25.1

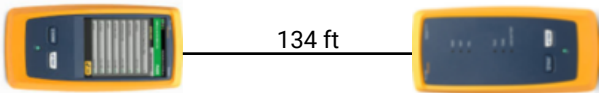
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.6	9.5	9.8
Freq. (MHz)	441.0	441.0	441.0	450.0
Limit (dB)	10.4	10.4	10.4	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.5	10.7	11.2
Freq. (MHz)	415.0	5.3	442.0	450.0
Limit (dB)	7.9	45.9	7.3	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-7,8
ACR-N (dB)	11.4	12.4	36.3	41.8
Freq. (MHz)	5.1	5.3	474.0	496.0
Limit (dB)	56.6	56.4	-21.2	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	11.7	38.0	44.2
Freq. (MHz)	4.8	2.5	500.0	498.0
Limit (dB)	54.8	58.7	-26.1	-25.9

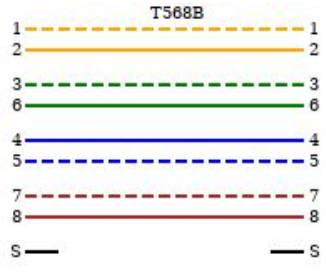
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.3	3.3	5.3	6.3
Freq. (MHz)	472.0	16.0	472.0	467.0
Limit (dB)	6.0	18.0	6.0	6.0

Compliant Network Standards:

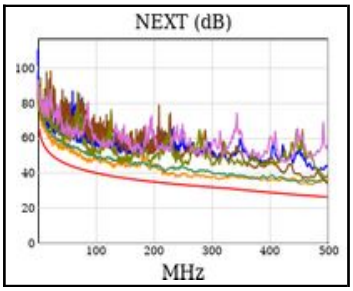
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

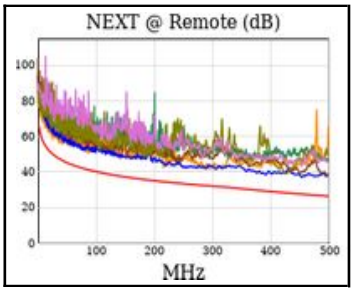


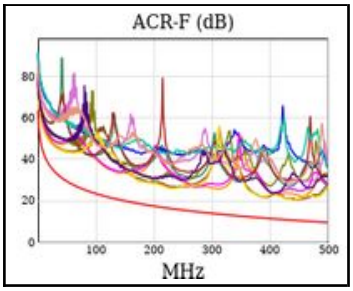
PASS

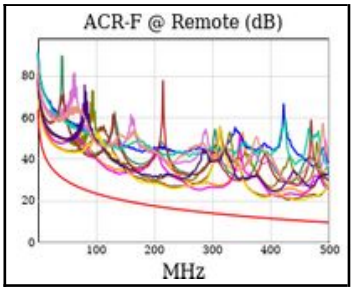


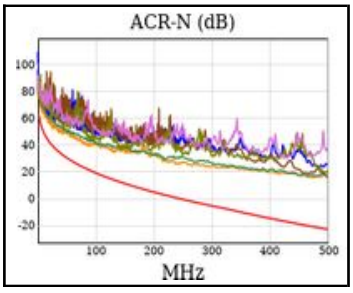


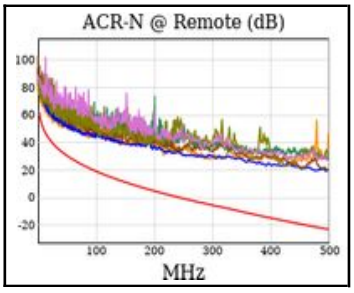


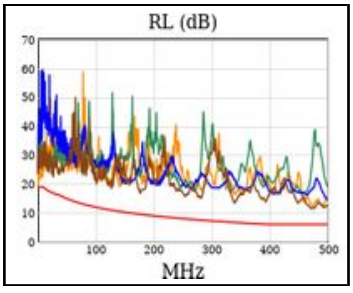


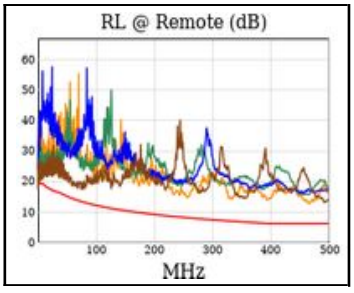












FLUKE networks

LinkWare Live

Cable ID: 121-2-B

Test Summary: PASS

Date / Time: 12/17/2022 01:07:02 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	211
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	16.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	3.7	6.8	6.6	6.8
Freq. (MHz)	245.5	499.0	499.0	499.0
Limit (dB)	33.3	26.1	26.1	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	6.3	8.3	7.2	8.9
Freq. (MHz)	246.0	299.0	500.0	499.0
Limit (dB)	30.3	28.8	23.2	23.3

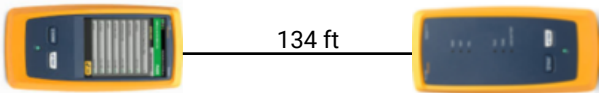
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.5	9.7	10.0	10.0
Freq. (MHz)	5.1	2.5	500.0	500.0
Limit (dB)	49.1	55.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.0	11.4	11.4
Freq. (MHz)	5.3	5.3	500.0	500.0
Limit (dB)	45.9	45.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.0	10.7	37.8	38.0
Freq. (MHz)	2.6	2.8	499.0	499.0
Limit (dB)	61.6	61.5	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	10.8	37.4	39.2
Freq. (MHz)	2.6	2.5	500.0	499.0
Limit (dB)	58.6	58.7	-26.1	-26.0

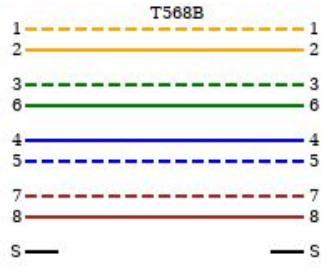
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	2.4	1.9	6.2	5.8
Freq. (MHz)	37.5	16.1	486.0	460.0
Limit (dB)	16.1	18.0	6.0	6.0

Compliant Network Standards:

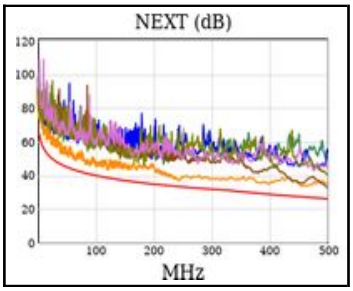
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

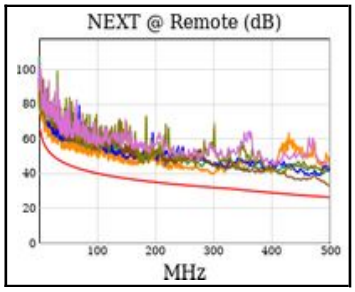


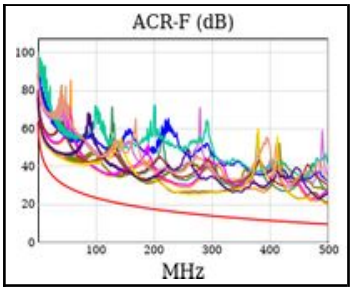
PASS

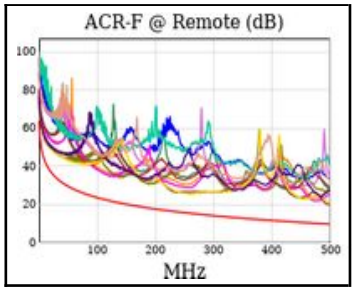


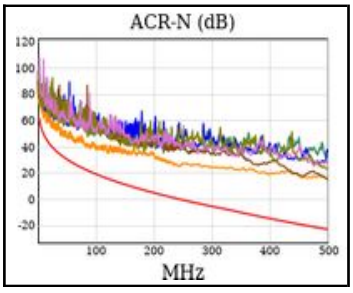


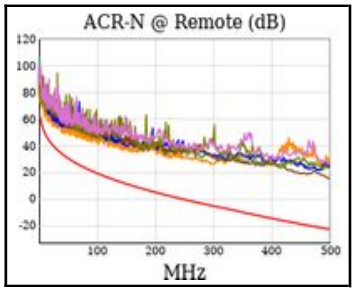


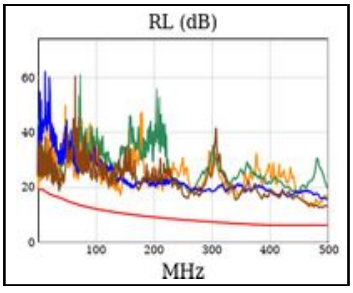


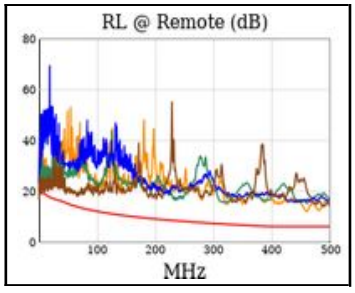












FLUKE networks

LinkWare Live

Cable ID: 121-B

Test Summary: PASS

Date / Time: 11/26/2022 06:11:06 PM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO IDF121

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	50
Prop. Delay (ns), Limit 555	[Pair 4,5]	79
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 7,8]	26.3
Insertion Loss Margin (dB)	[Pair 3,6]	40.1
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	2.5	1.8	3.8	3.4
Freq. (MHz)	49.5	284.0	486.0	499.0
Limit (dB)	45.1	32.2	26.4	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	3.1	5.1	4.2
Freq. (MHz)	139.5	215.0	471.0	499.0
Limit (dB)	34.6	31.3	23.9	23.3

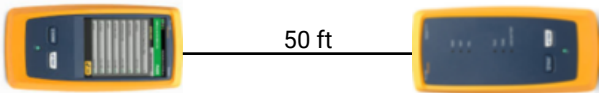
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	8.0	8.5	11.8	12.1
Freq. (MHz)	7.3	7.3	497.0	498.0
Limit (dB)	46.1	46.1	9.3	9.3
Worst Pair	7,8	3,6	3,6	3,6
PS ACR-F (dB)	10.9	9.6	12.1	11.9
Freq. (MHz)	7.3	7.3	487.0	472.0
Limit (dB)	43.1	43.1	6.5	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
ACR-N (dB)	9.8	9.3	45.2	44.3
Freq. (MHz)	7.9	7.5	486.0	490.0
Limit (dB)	52.5	53.0	-22.1	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	9.5	45.8	44.3
Freq. (MHz)	8.8	7.6	487.0	490.0
Limit (dB)	48.9	50.3	-25.1	-25.3

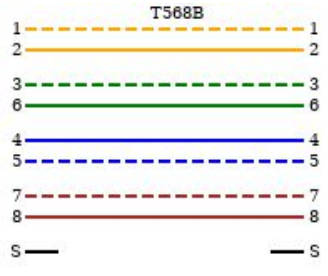
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	3.7	2.4	5.2	3.2
Freq. (MHz)	150.0	104.5	474.0	474.0
Limit (dB)	10.2	11.8	6.0	6.0

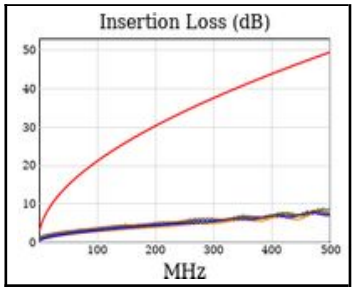
Compliant Network Standards:

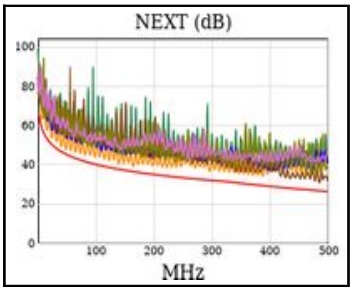
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

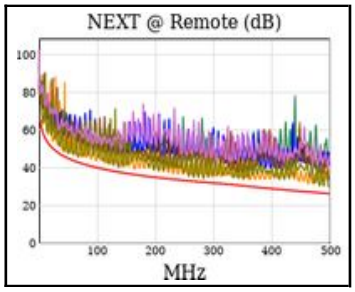


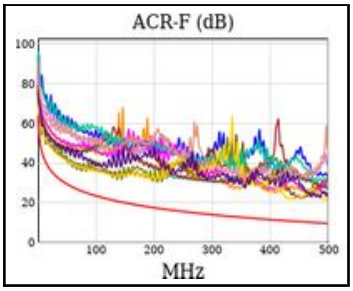
PASS

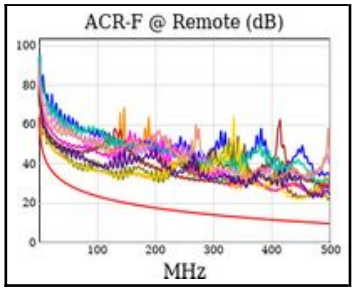


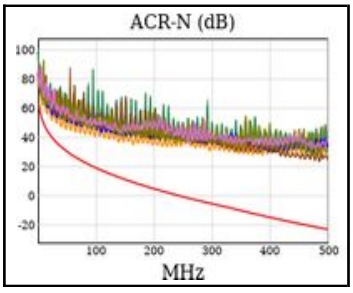


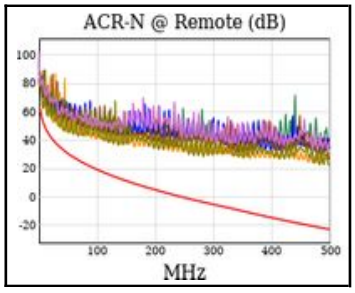


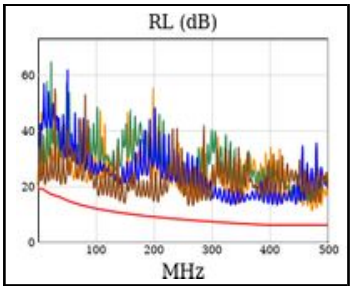


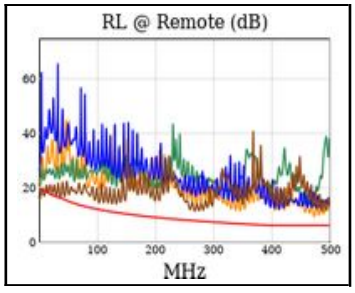












FLUKE networks

LinkWare Live

Cable ID: 121-A

Test Summary: PASS

Date / Time: 12/19/2022 02:16:32 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	153
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	6.7	7.1	8.8
Freq. (MHz)	4.1	215.0	457.0	500.0
Limit (dB)	62.8	34.2	27.2	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.1	7.3	8.2	8.0
Freq. (MHz)	232.5	214.5	454.0	484.0
Limit (dB)	30.7	31.3	24.3	23.6

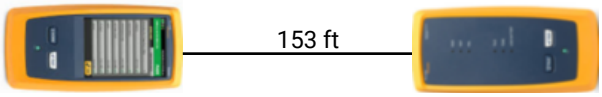
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.2	9.1	9.4	9.5
Freq. (MHz)	242.0	237.0	495.0	495.0
Limit (dB)	15.6	15.8	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	9.7	11.1	9.7
Freq. (MHz)	418.0	495.0	498.0	495.0
Limit (dB)	7.8	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.4	9.5	32.9	34.8
Freq. (MHz)	4.1	4.3	480.0	500.0
Limit (dB)	58.6	58.3	-21.6	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	10.6	33.7	34.5
Freq. (MHz)	4.1	4.3	467.0	500.0
Limit (dB)	56.1	55.8	-23.5	-26.1

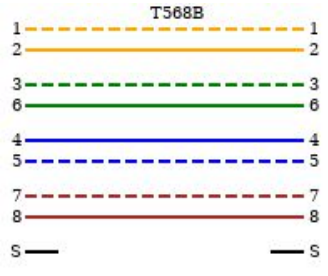
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	7.8	5.8	8.4	7.7
Freq. (MHz)	22.3	135.5	475.0	500.0
Limit (dB)	17.3	10.7	6.0	6.0

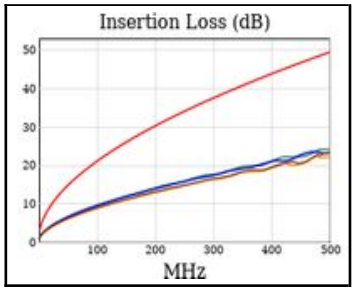
Compliant Network Standards:

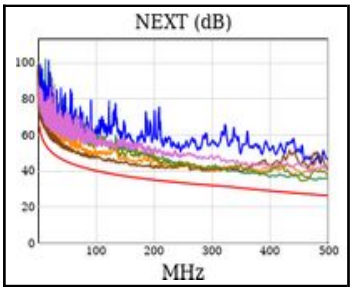
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

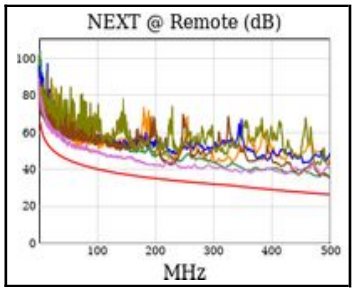


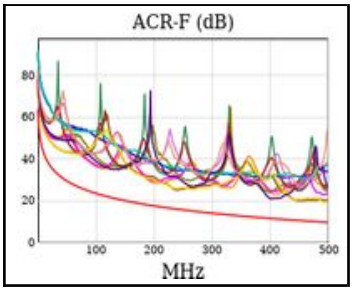
PASS

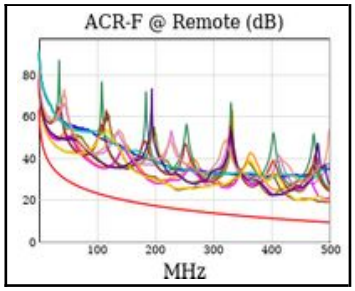


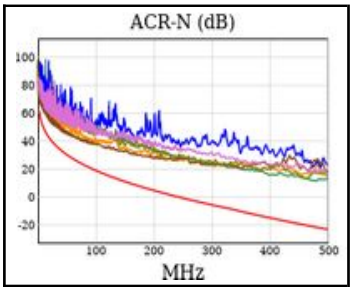


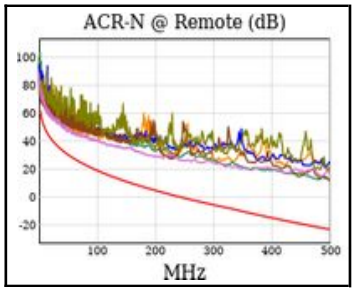


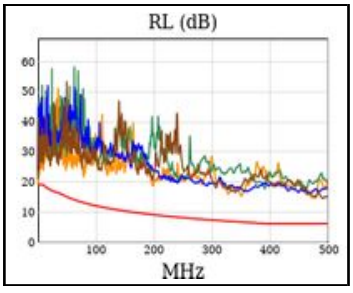


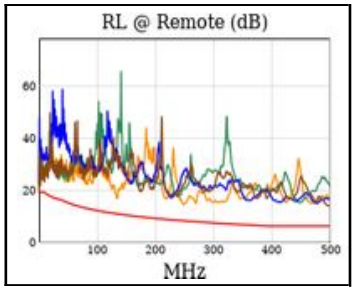












FLUKE networks

LinkWare Live

Cable ID: 121-B

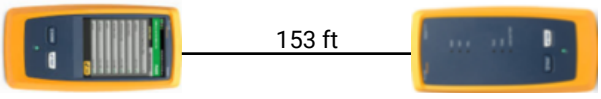
Test Summary: PASS

Date / Time: 12/19/2022 02:18:33 PM
Headroom: 6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

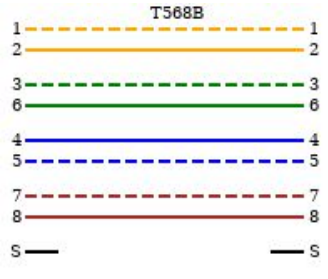
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	153
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1



PASS

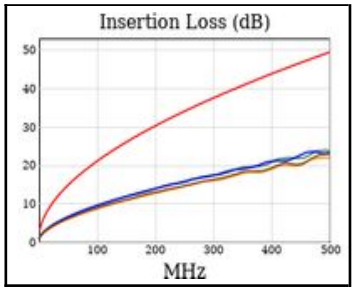


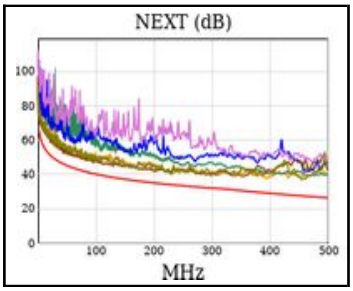
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	6.0	7.6	9.6	8.4
Freq. (MHz)	231.0	215.0	456.0	498.0
Limit (dB)	33.7	34.2	27.2	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.0	8.1	9.9	9.2
Freq. (MHz)	230.5	4.3	456.0	497.0
Limit (dB)	30.8	60.1	24.3	23.3

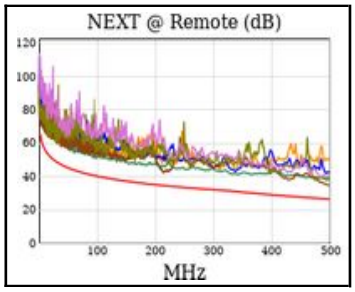
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.0	9.4	9.1	9.5
Freq. (MHz)	452.0	449.0	455.0	457.0
Limit (dB)	10.2	10.2	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.2	11.0	10.4
Freq. (MHz)	9.1	5.0	449.0	451.0
Limit (dB)	41.1	46.3	7.2	7.2

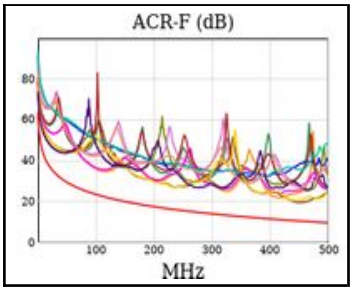
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.8	10.0	38.7	34.4
Freq. (MHz)	4.0	4.0	500.0	498.0
Limit (dB)	58.9	58.9	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	10.7	34.9	34.6
Freq. (MHz)	4.0	4.3	456.0	497.0
Limit (dB)	56.4	55.8	-22.6	-25.8

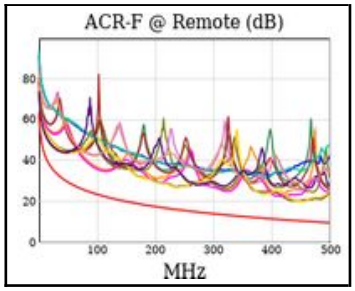
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	7.2	6.3	7.2	7.3
Freq. (MHz)	460.0	286.0	460.0	496.0
Limit (dB)	6.0	7.4	6.0	6.0

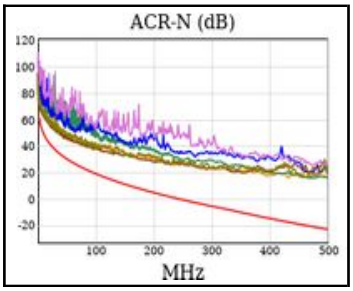


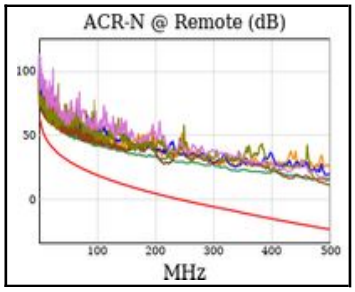


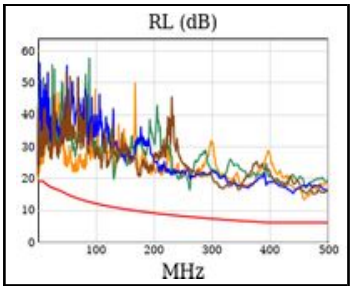


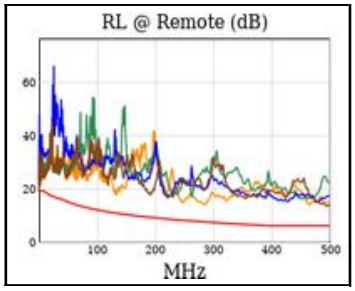












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

Test Summary: PASS

Date / Time: 11/25/2022 06:40:15 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	105
Prop. Delay (ns), Limit 555	[Pair 4,5]	164
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	8.0
Insertion Loss Margin (dB)	[Pair 3,6]	33.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	4.1	5.1	4.2
Freq. (MHz)	96.8	58.8	454.0	499.0
Limit (dB)	40.2	43.8	27.2	26.1
Worst Pair	1,2	1,2	1,2	3,6
PS NEXT (dB)	4.2	4.5	6.4	5.1
Freq. (MHz)	225.5	169.5	461.0	499.0
Limit (dB)	30.9	33.1	24.2	23.3

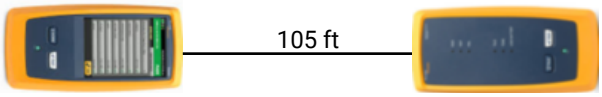
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.6	11.5	10.7
Freq. (MHz)	441.0	451.0	495.0	454.0
Limit (dB)	10.4	10.2	9.4	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.5	11.9	12.5
Freq. (MHz)	1.4	8.0	488.0	478.0
Limit (dB)	57.5	42.2	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	9.3	39.1	39.2
Freq. (MHz)	6.8	3.3	471.0	499.0
Limit (dB)	54.0	60.7	-20.9	-23.1
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	9.9	9.5	41.5	39.0
Freq. (MHz)	3.3	3.3	499.0	499.0
Limit (dB)	58.2	58.2	-26.0	-26.0

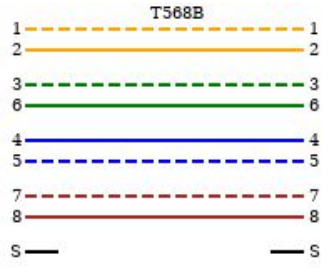
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	7.3	5.8	7.5	8.8
Freq. (MHz)	47.0	190.5	497.0	484.0
Limit (dB)	15.3	9.2	6.0	6.0

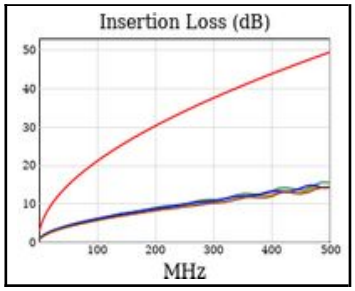
Compliant Network Standards:

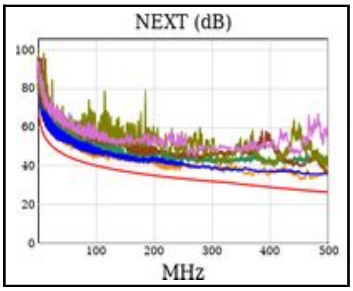
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

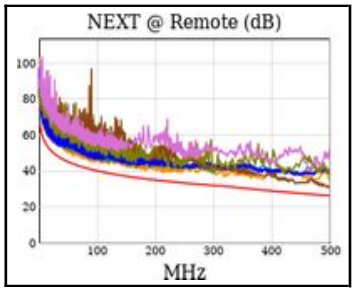


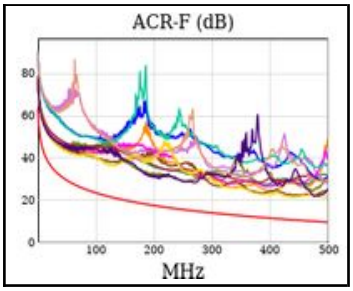
PASS

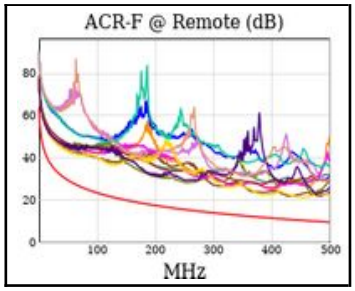


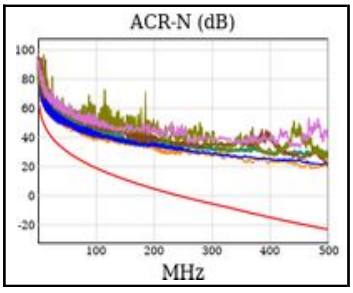


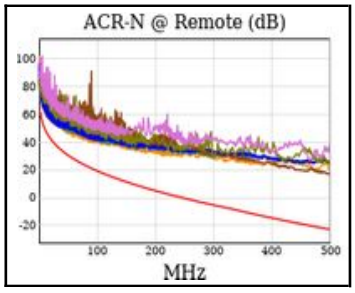


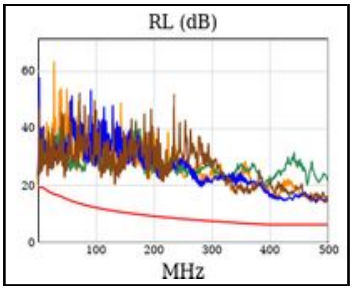


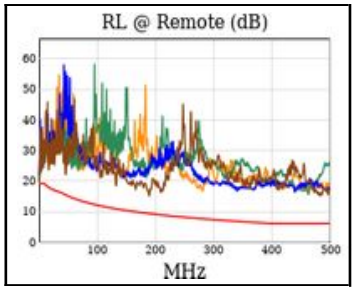












FLUKE networks

LinkWare Live

Cable ID: 122-A

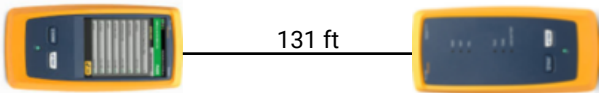
Test Summary: PASS

Date / Time: 11/25/2022 06:33:09 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

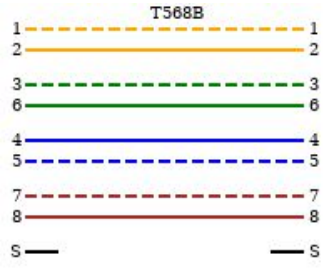
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

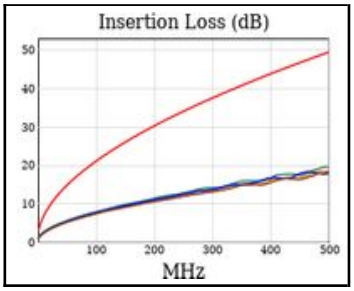
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

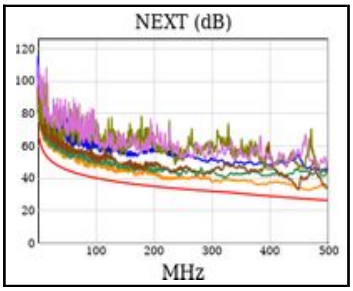
Length (ft), Limit 328	[Pair 7,8]	131
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

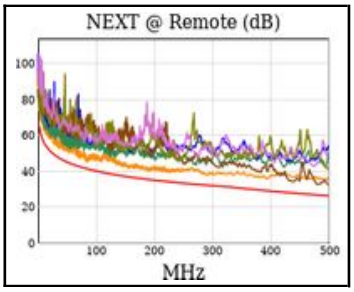


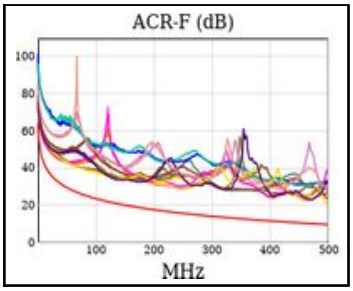
PASS

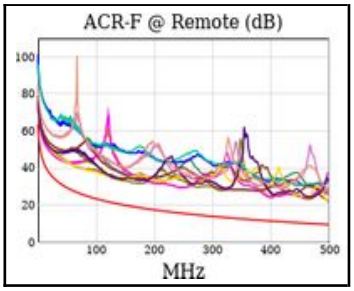


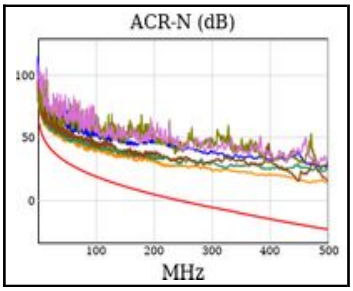


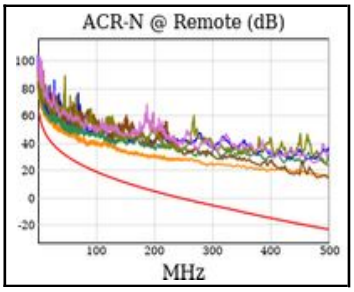


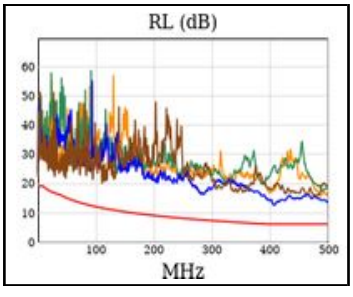


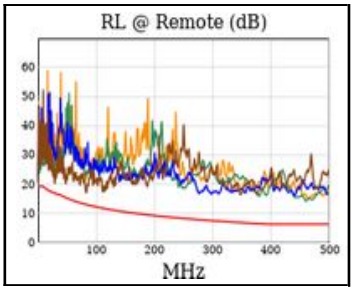












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.6	3.7	5.4	6.3
Freq. (MHz)	219.5	84.0	470.0	499.0
Limit (dB)	34.1	41.2	26.8	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.7	6.2	5.8	7.2
Freq. (MHz)	449.0	84.0	451.0	500.0
Limit (dB)	24.5	38.4	24.4	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.3	11.3	11.7	12.6
Freq. (MHz)	9.1	9.1	497.0	500.0
Limit (dB)	44.1	44.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.5	10.6	11.5	13.6
Freq. (MHz)	9.1	3.1	468.0	500.0
Limit (dB)	41.1	50.4	6.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.8	9.8	37.0	37.4
Freq. (MHz)	10.8	5.4	498.0	499.0
Limit (dB)	49.4	56.2	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.8	11.3	37.1	37.2
Freq. (MHz)	5.1	5.1	498.0	500.0
Limit (dB)	54.1	54.1	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	3,6
RL (dB)	5.7	3.5	6.4	7.9
Freq. (MHz)	29.8	29.8	406.0	461.0
Limit (dB)	16.6	16.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-A

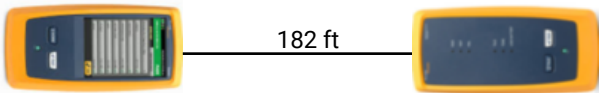
Test Summary: PASS

Date / Time: 12/04/2022 03:58:38 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

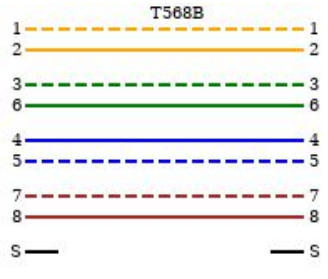
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

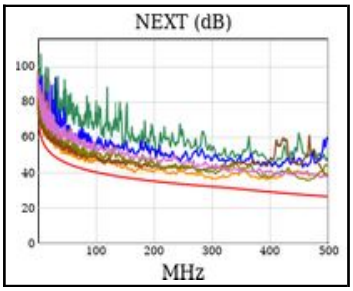
Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	288
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 4,5]	24.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

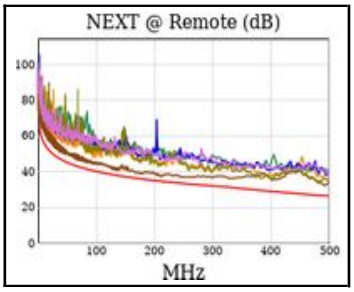


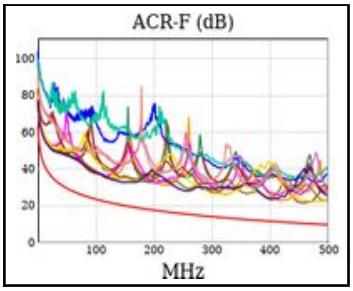
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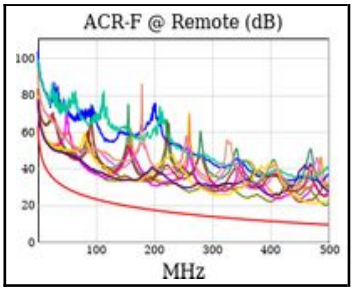


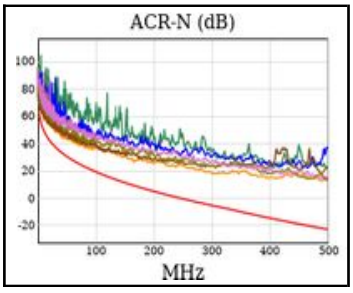


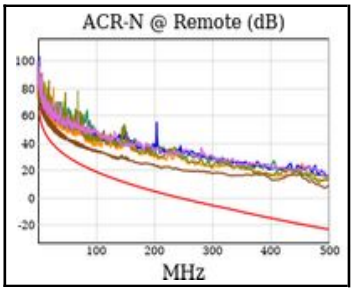


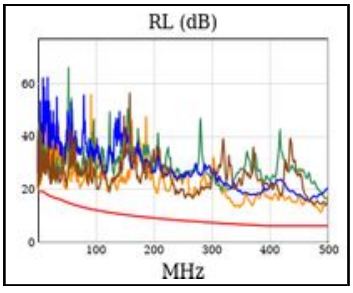


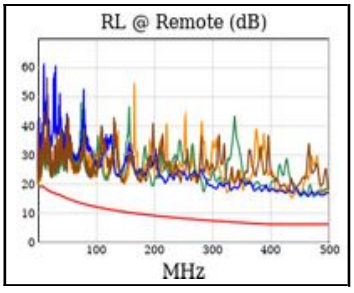












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.4	2.4	8.5	5.8
Freq. (MHz)	166.5	137.0	467.0	495.0
Limit (dB)	36.1	37.6	26.9	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.2	3.9	6.8	6.3
Freq. (MHz)	166.5	207.5	396.0	493.0
Limit (dB)	33.2	31.6	25.9	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	3,6-4,5	7,8-3,6
ACR-F (dB)	11.2	10.5	11.2	10.6
Freq. (MHz)	460.0	495.0	460.0	496.0
Limit (dB)	10.0	9.4	10.0	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.0	11.3	13.6	11.4
Freq. (MHz)	417.0	452.0	497.0	453.0
Limit (dB)	7.9	7.2	6.3	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	5.7	6.0	34.6	29.9
Freq. (MHz)	3.5	3.4	490.0	495.0
Limit (dB)	60.1	60.4	-22.4	-22.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	6.1	7.2	35.3	30.6
Freq. (MHz)	3.5	3.5	498.0	495.0
Limit (dB)	57.6	57.6	-25.9	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	4.6	5.0	5.1	8.9
Freq. (MHz)	50.5	24.0	489.0	438.0
Limit (dB)	15.0	17.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

Test Summary: PASS

Date / Time: 12/04/2022 03:59:07 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	288
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	2.2	8.1	6.5
Freq. (MHz)	3.4	140.5	467.0	494.0
Limit (dB)	64.2	37.4	26.9	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	2.8	8.3	6.1
Freq. (MHz)	5.3	185.5	467.0	495.0
Limit (dB)	58.6	32.4	24.0	23.3

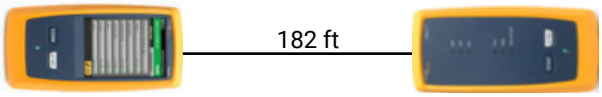
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	11.2	11.2	11.8	11.7
Freq. (MHz)	176.0	454.0	497.0	497.0
Limit (dB)	18.3	10.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	10.7	11.8	10.8
Freq. (MHz)	484.0	462.0	486.0	463.0
Limit (dB)	6.6	7.0	6.5	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	6.3	6.6	31.9	30.6
Freq. (MHz)	3.4	3.4	467.0	494.0
Limit (dB)	60.4	60.4	-20.6	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.9	7.4	34.1	30.2
Freq. (MHz)	3.4	3.5	499.0	495.0
Limit (dB)	57.9	57.6	-26.0	-25.7

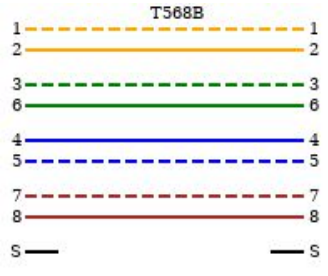
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	4.7	4.9	6.7	7.7
Freq. (MHz)	47.0	47.0	453.0	499.0
Limit (dB)	15.3	15.3	6.0	6.0

Compliant Network Standards:

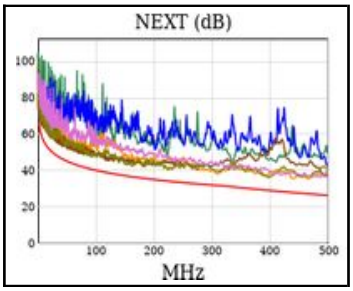
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

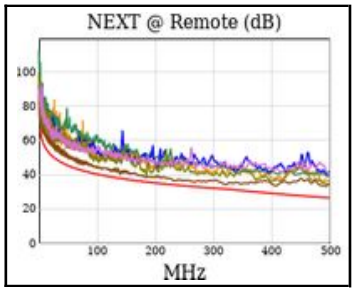


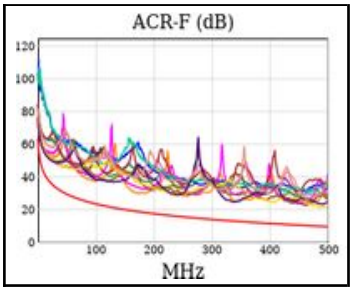
PASS

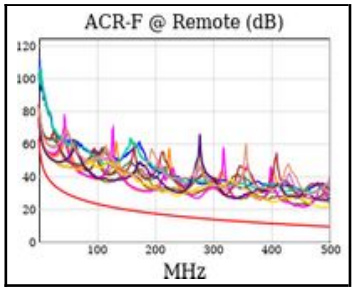


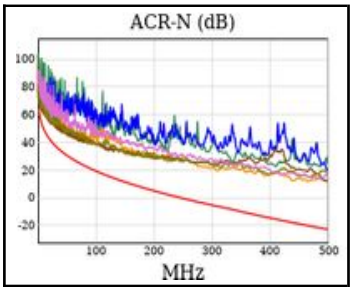


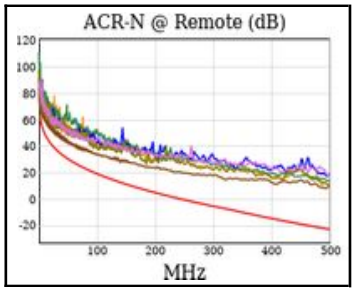


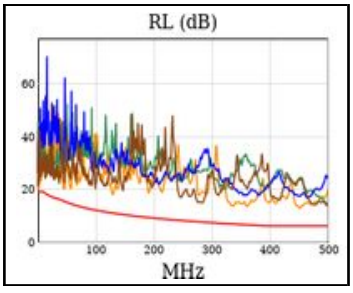


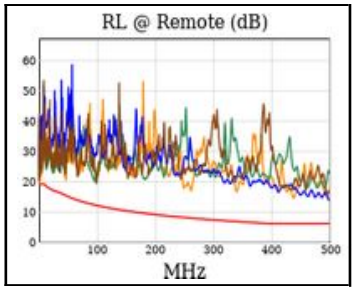












FLUKE networks

LinkWare Live

Cable ID: 122-A

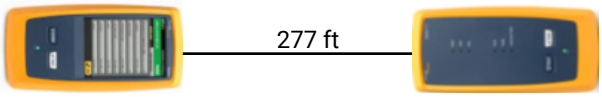
Test Summary: PASS

Date / Time: 11/27/2022 01:14:40 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

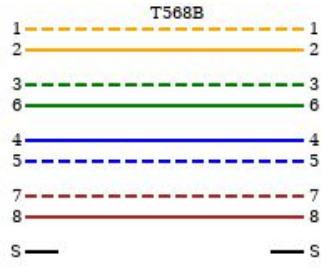
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

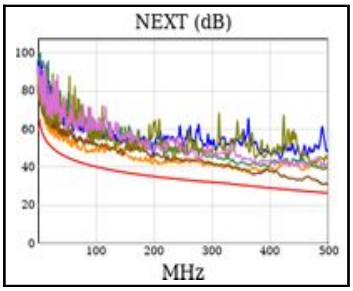
Length (ft), Limit 328	[Pair 1,2]	277
Prop. Delay (ns), Limit 555	[Pair 4,5]	438
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 7,8]	19.1
Insertion Loss Margin (dB)	[Pair 3,6]	11.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

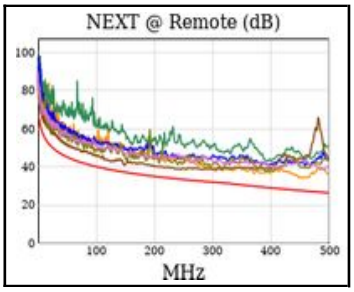


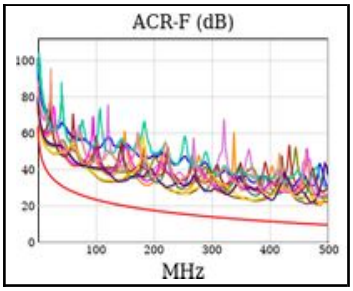
PASS

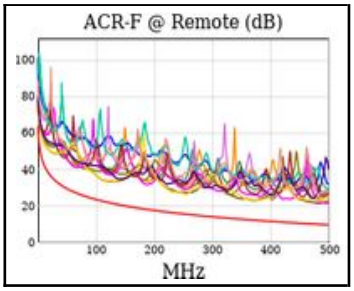


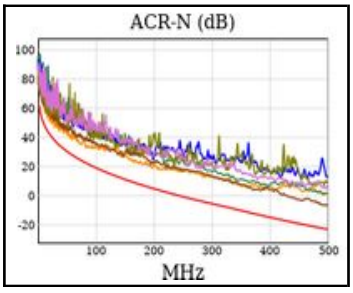


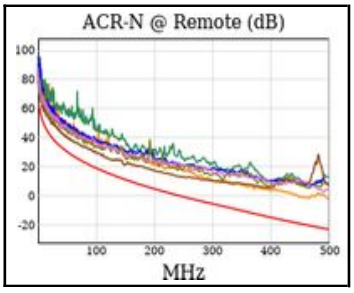


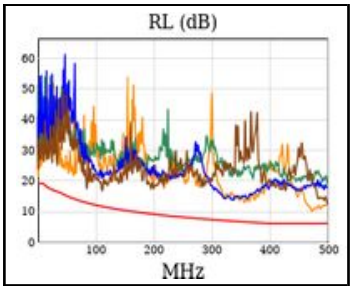


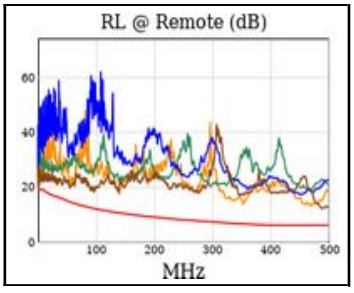












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.2	3.5	4.3	6.6
Freq. (MHz)	491.0	149.5	500.0	456.0
Limit (dB)	26.3	37.0	26.1	27.2
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.1	4.9	6.3	8.1
Freq. (MHz)	491.0	152.5	500.0	456.0
Limit (dB)	23.4	33.9	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.6	10.7	10.7	11.4
Freq. (MHz)	481.0	371.0	488.0	483.0
Limit (dB)	9.6	11.9	9.5	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.7	10.5	10.8
Freq. (MHz)	480.0	483.0	480.0	487.0
Limit (dB)	6.6	6.6	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.7	8.1	16.0	20.7
Freq. (MHz)	20.9	7.8	500.0	500.0
Limit (dB)	42.0	52.7	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	8.4	17.6	22.4
Freq. (MHz)	17.1	17.3	500.0	500.0
Limit (dB)	41.6	41.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	3.9	2.8	3.9	6.2
Freq. (MHz)	473.0	10.0	473.0	489.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-A

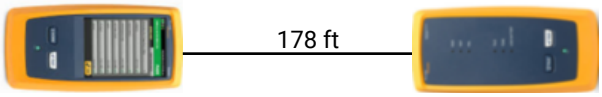
Test Summary: PASS

Date / Time: 11/22/2022 05:07:09 PM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

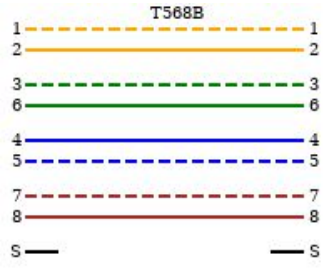
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

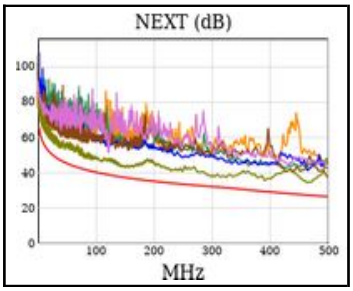
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	275
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	11.8
Insertion Loss Margin (dB)	[Pair 3,6]	22.9
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

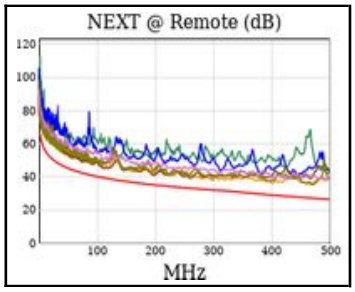


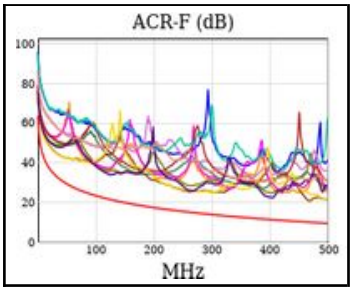
PASS

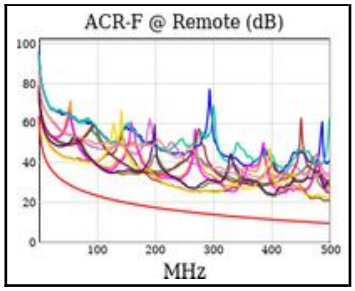


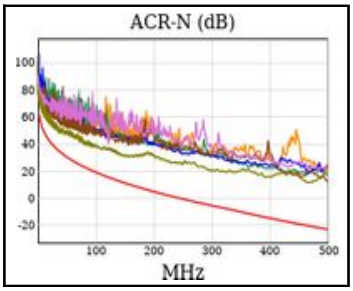


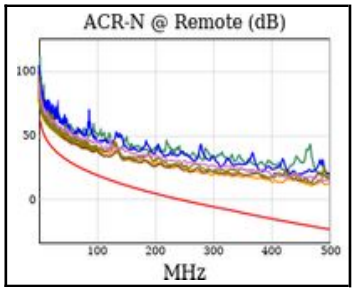


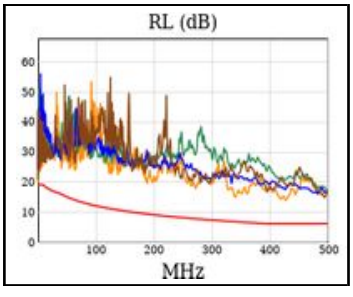


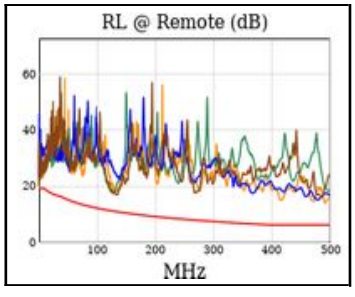












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	5.4	5.4	7.1	8.1
Freq. (MHz)	299.0	113.5	465.0	472.0
Limit (dB)	31.8	39.0	27.0	26.8
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	7.7	4.9	9.0	7.5
Freq. (MHz)	5.6	149.0	465.0	470.0
Limit (dB)	58.1	34.1	24.1	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	10.3	10.7	11.4
Freq. (MHz)	262.0	262.0	469.0	500.0
Limit (dB)	14.9	14.9	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.5	12.9	11.8
Freq. (MHz)	8.1	8.1	500.0	500.0
Limit (dB)	42.1	42.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	10.0	10.0	32.2	31.6
Freq. (MHz)	3.8	3.5	470.0	468.0
Limit (dB)	59.5	60.1	-20.8	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	8.3	33.3	31.0
Freq. (MHz)	3.8	5.5	474.0	472.0
Limit (dB)	57.0	53.4	-24.0	-23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	7.7	5.9	7.7	7.7
Freq. (MHz)	428.0	135.0	428.0	493.0
Limit (dB)	6.0	10.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

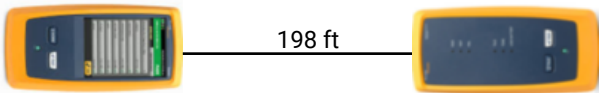
Test Summary: PASS

Date / Time: 11/22/2022 05:13:29 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

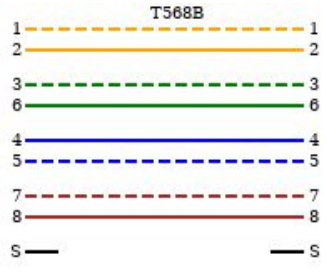
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

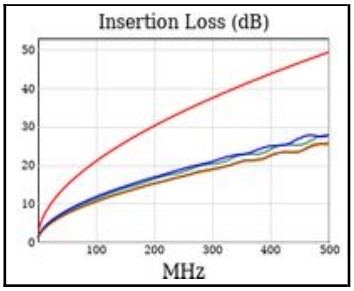
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

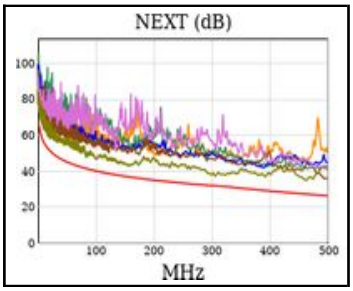
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 3,6]	307
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	21.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

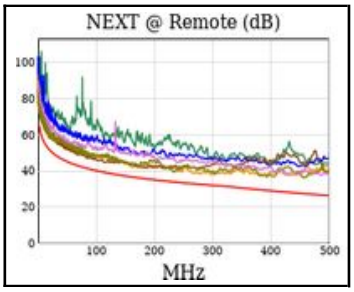


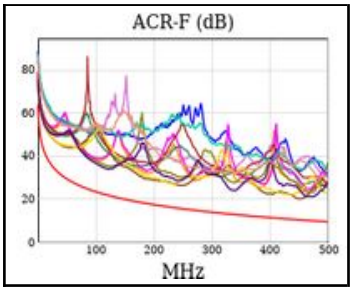
PASS

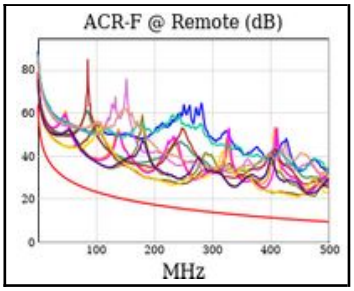


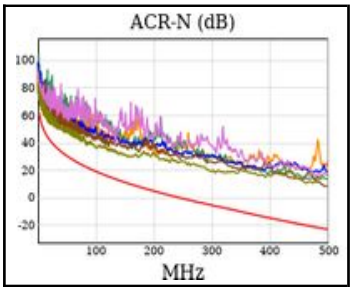


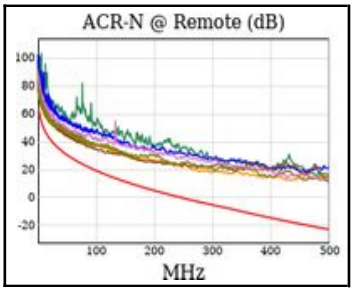


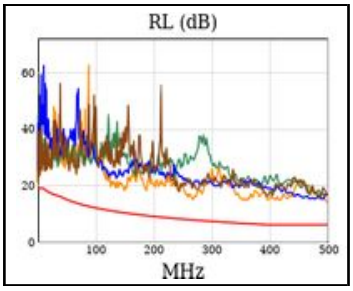


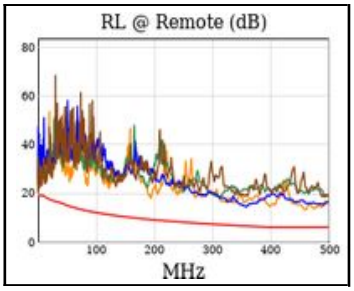












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.5	5.2	7.8	8.8
Freq. (MHz)	306.0	234.5	462.0	458.0
Limit (dB)	31.6	33.6	27.0	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.5	4.4	9.7	7.5
Freq. (MHz)	5.0	173.0	462.0	394.0
Limit (dB)	59.0	32.9	24.1	26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	10.4	9.7	10.7
Freq. (MHz)	452.0	229.0	452.0	448.0
Limit (dB)	10.2	16.1	10.2	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.1	11.2	11.2
Freq. (MHz)	7.3	468.0	462.0	469.0
Limit (dB)	43.1	6.9	7.0	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.7	8.5	31.3	34.4
Freq. (MHz)	5.0	3.1	500.0	500.0
Limit (dB)	56.9	61.1	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.4	8.4	32.4	33.2
Freq. (MHz)	3.4	3.3	500.0	497.0
Limit (dB)	57.9	58.2	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	6.4	5.4	8.0	7.1
Freq. (MHz)	12.8	12.8	499.0	461.0
Limit (dB)	18.5	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-A

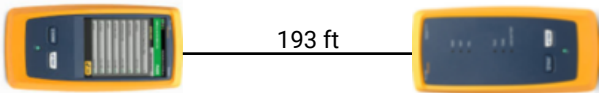
Test Summary: PASS

Date / Time: 11/21/2022 01:52:22 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

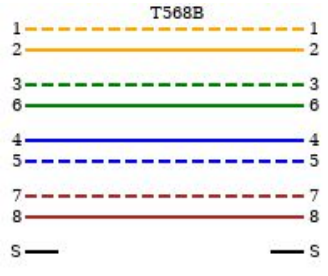
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

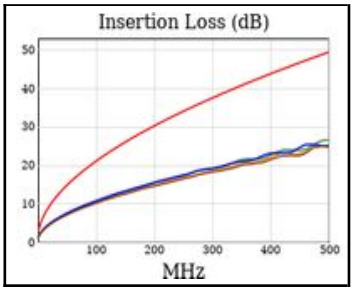
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	193
Prop. Delay (ns), Limit 555	[Pair 4,5]	300
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	22.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

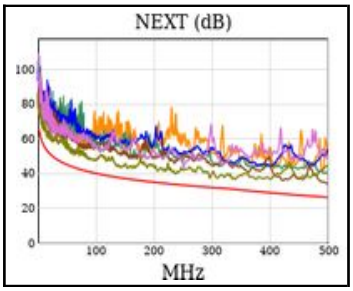


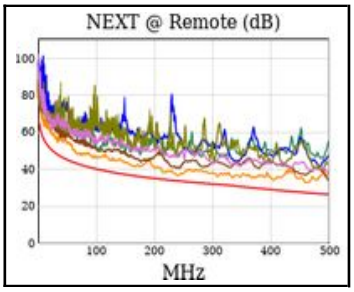
PASS



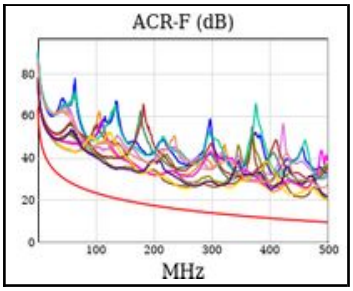


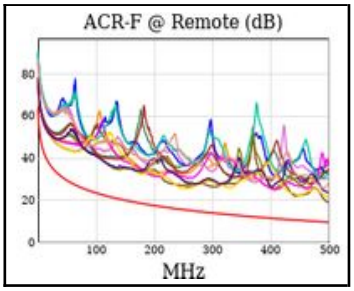
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.1	2.8	7.6	5.4
Freq. (MHz)	297.0	242.0	500.0	460.0
Limit (dB)	31.8	33.4	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.4	4.3	9.5	6.9
Freq. (MHz)	298.0	240.5	500.0	461.0
Limit (dB)	28.8	30.4	23.2	24.2



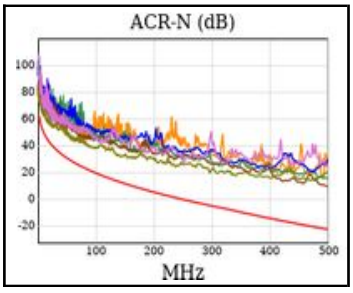


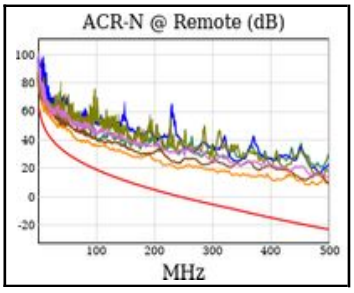
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	9.5	10.6	9.5
Freq. (MHz)	251.0	500.0	500.0	500.0
Limit (dB)	15.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.8	11.3	12.3
Freq. (MHz)	257.0	259.0	500.0	500.0
Limit (dB)	12.1	12.0	6.3	6.3



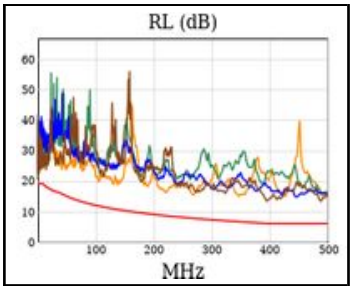


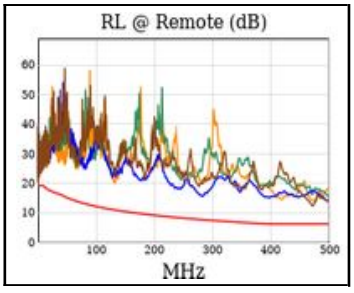
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	10.6	31.8	29.9
Freq. (MHz)	3.4	11.3	500.0	482.0
Limit (dB)	60.4	48.9	-23.2	-21.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	10.0	32.9	31.1
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	57.9	57.9	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.2	5.5	7.3	6.1
Freq. (MHz)	9.8	9.8	489.0	473.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

Test Summary: PASS

Date / Time: 11/21/2022 01:52:51 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	192
Prop. Delay (ns), Limit 555	[Pair 4,5]	298
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	23.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	4.2	2.9	5.3	3.5
Freq. (MHz)	399.0	235.0	466.0	465.0
Limit (dB)	28.8	33.6	26.9	27.0
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	5.5	5.1	6.8	5.7
Freq. (MHz)	175.0	230.5	459.0	465.0
Limit (dB)	32.9	30.8	24.2	24.1

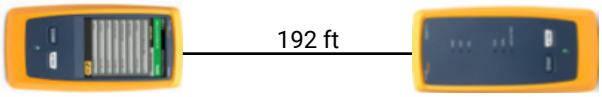
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.8	9.8	10.7
Freq. (MHz)	495.0	251.0	500.0	500.0
Limit (dB)	9.4	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	11.0	12.8
Freq. (MHz)	5.8	5.8	489.0	500.0
Limit (dB)	45.1	45.1	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	10.1	9.8	29.7	28.1
Freq. (MHz)	10.6	11.3	469.0	492.0
Limit (dB)	49.5	48.9	-20.8	-22.6
Worst Pair	7,8	3,6	3,6	3,6
PS ACR-N (dB)	10.1	10.8	32.1	30.6
Freq. (MHz)	6.6	5.3	499.0	492.0
Limit (dB)	51.7	53.9	-26.0	-25.5

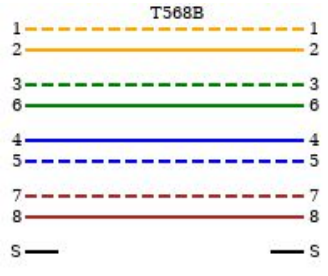
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	4,5
RL (dB)	5.1	6.0	6.6	7.5
Freq. (MHz)	9.9	9.9	500.0	498.0
Limit (dB)	19.0	19.0	6.0	6.0

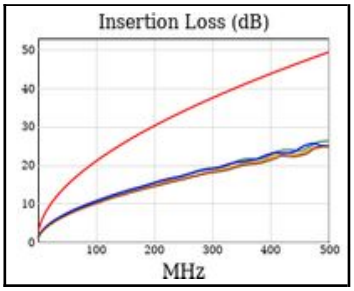
Compliant Network Standards:

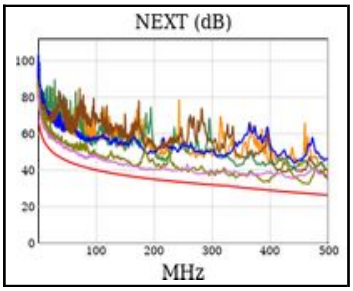
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

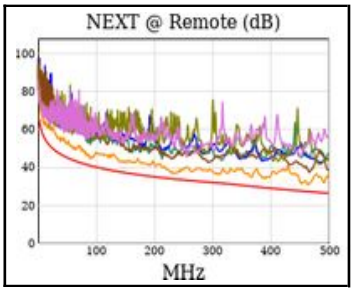


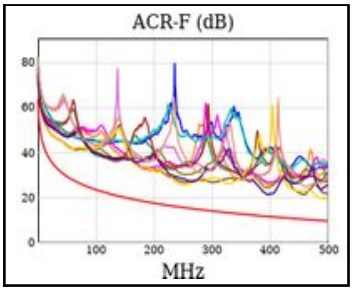
PASS

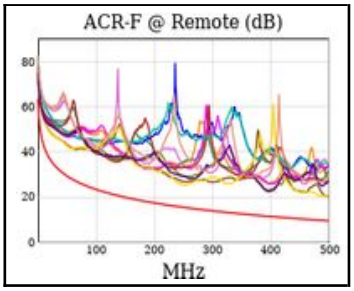


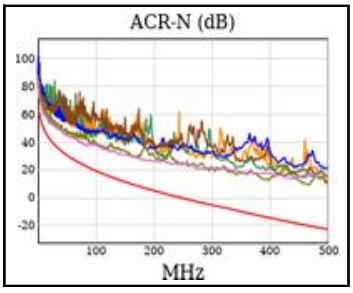


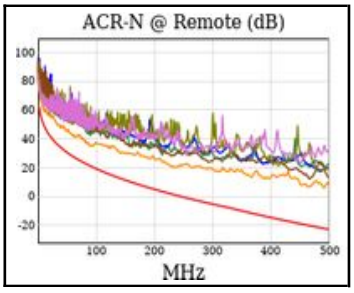


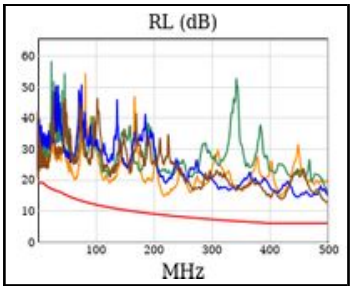


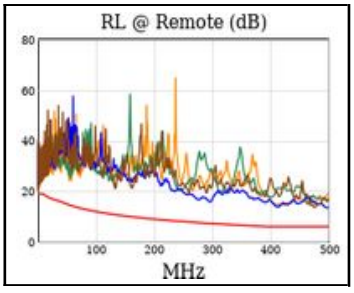












FLUKE networks

LinkWare Live

Cable ID: 121-A

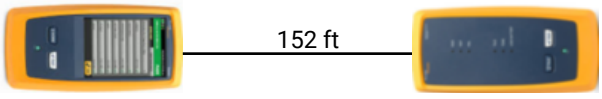
Test Summary: PASS

Date / Time: 12/10/2022 02:31:25 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

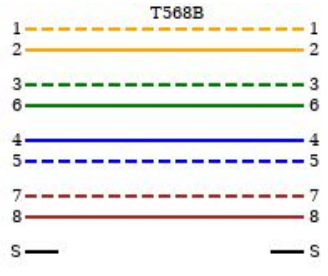
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

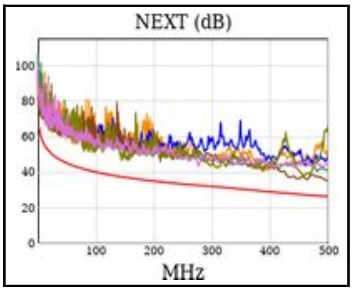
Length (ft), Limit 328	[Pair 1,2]	152
Prop. Delay (ns), Limit 555	[Pair 4,5]	241
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.9
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

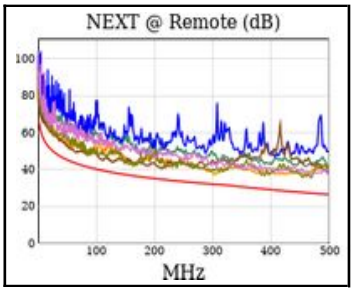


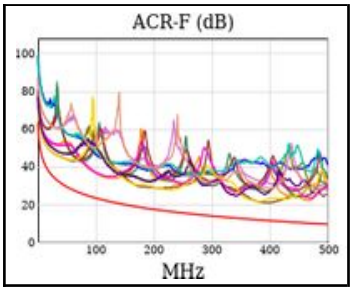
PASS

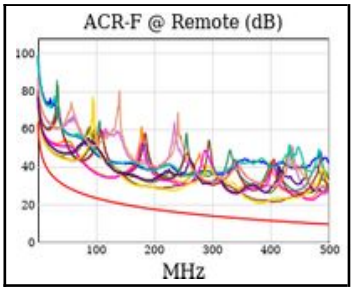


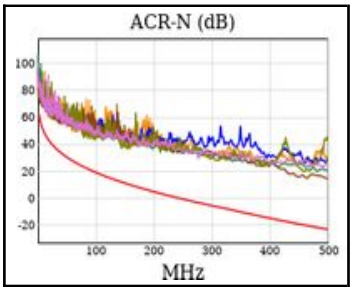


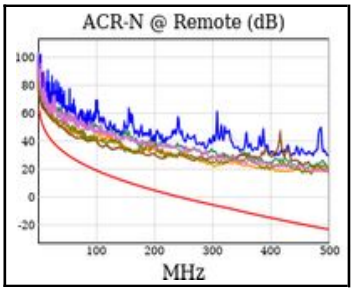


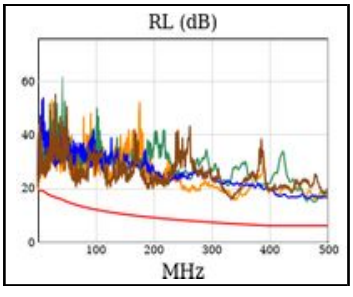


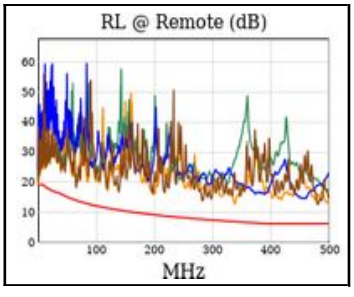












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	8.6	5.1	9.1	8.3
Freq. (MHz)	465.0	304.0	500.0	471.0
Limit (dB)	27.0	31.6	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.6	4.1	9.7	8.5
Freq. (MHz)	461.0	164.5	462.0	457.0
Limit (dB)	24.2	33.3	24.1	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	8.8	9.5	8.8
Freq. (MHz)	397.0	384.0	399.0	384.0
Limit (dB)	11.3	11.6	11.2	11.6
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.0	10.9	11.2	10.9
Freq. (MHz)	2.9	384.0	386.0	384.0
Limit (dB)	51.1	8.6	8.5	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	11.5	9.2	37.7	37.2
Freq. (MHz)	4.0	4.1	500.0	471.0
Limit (dB)	58.9	58.6	-23.2	-20.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	12.5	9.9	39.2	36.8
Freq. (MHz)	2.5	4.0	500.0	471.0
Limit (dB)	58.7	56.4	-26.1	-23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	1,2
RL (dB)	6.5	4.3	8.9	5.6
Freq. (MHz)	66.5	66.8	479.0	339.0
Limit (dB)	13.8	13.8	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

Test Summary: PASS

Date / Time: 12/10/2022 02:34:31 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	153
Prop. Delay (ns), Limit 555	[Pair 4,5]	240
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.9
Insertion Loss Margin (dB)	[Pair 3,6]	28.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	6.3	2.8	6.3	6.9
Freq. (MHz)	500.0	187.0	500.0	399.0
Limit (dB)	26.1	35.3	26.1	28.8
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.7	3.2	8.1	7.3
Freq. (MHz)	90.3	187.0	500.0	404.0
Limit (dB)	37.8	32.4	23.2	25.7

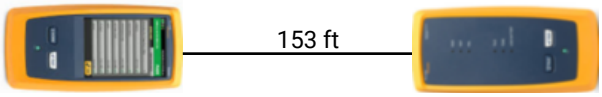
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.2	9.5	9.2
Freq. (MHz)	436.0	442.0	442.0	442.0
Limit (dB)	10.5	10.3	10.3	10.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.3	11.2	10.6	11.2
Freq. (MHz)	424.0	442.0	442.0	442.0
Limit (dB)	7.7	7.3	7.3	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.1	9.6	35.3	36.6
Freq. (MHz)	6.8	4.1	500.0	455.0
Limit (dB)	54.0	58.6	-23.2	-19.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.2	9.0	37.1	37.3
Freq. (MHz)	4.5	4.1	500.0	456.0
Limit (dB)	55.3	56.1	-26.1	-22.6

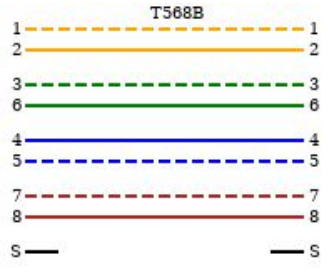
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	8.5	3.5	8.5	6.7
Freq. (MHz)	338.0	100.5	338.0	497.0
Limit (dB)	6.7	12.0	6.7	6.0

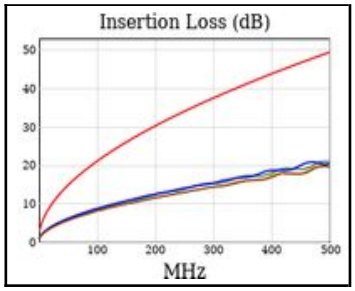
Compliant Network Standards:

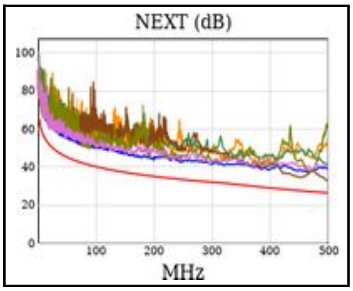
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

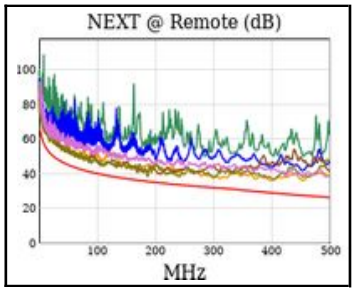


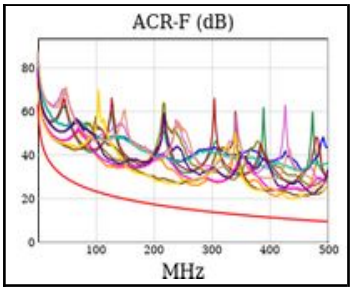
PASS

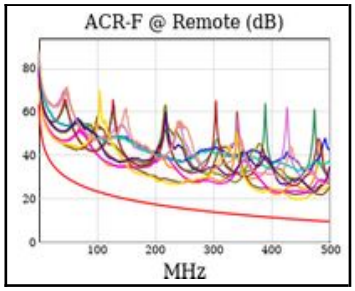


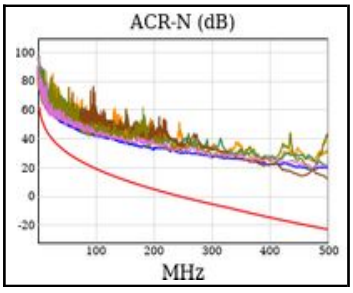


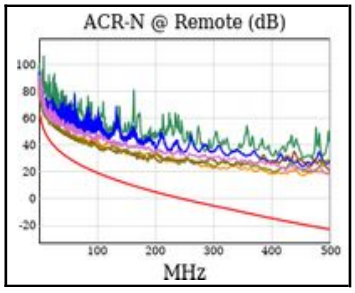


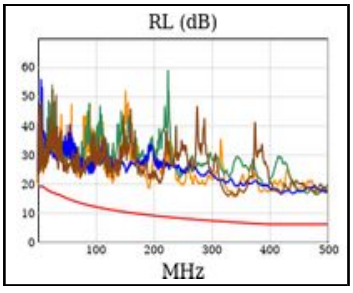


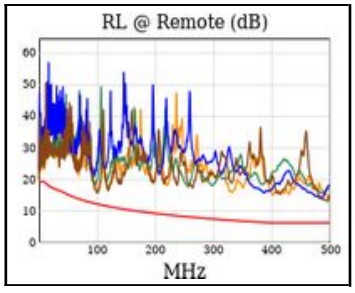












FLUKE networks

LinkWare Live

Cable ID: 121-A

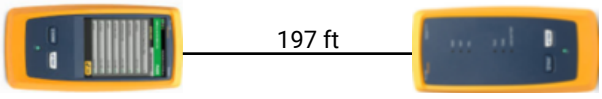
Test Summary: PASS

Date / Time: 11/22/2022 01:23:14 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

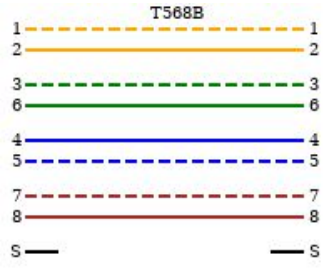
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

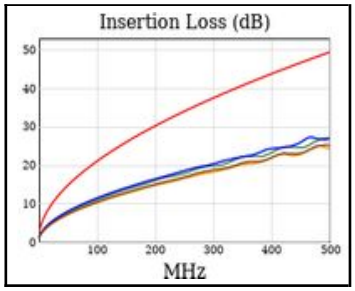
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 3,6]	306
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 4,5]	20.5
Frequency (MHz)	[Pair 4,5]	470.0
Limit (dB)	[Pair 4,5]	47.7

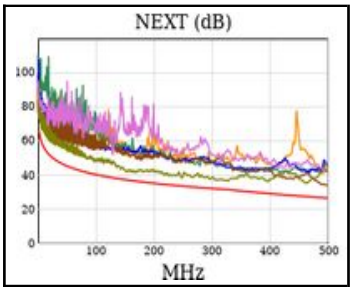


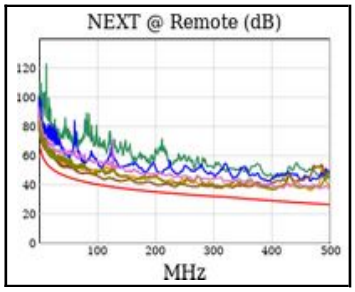
PASS



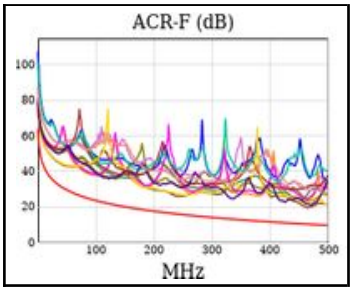


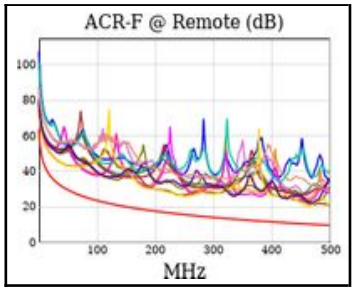
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.6	4.0	7.6	9.0
Freq. (MHz)	154.0	112.5	500.0	468.0
Limit (dB)	36.7	39.1	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	4.3	9.1	7.1
Freq. (MHz)	3.3	165.0	490.0	401.0
Limit (dB)	62.0	33.3	23.5	25.8



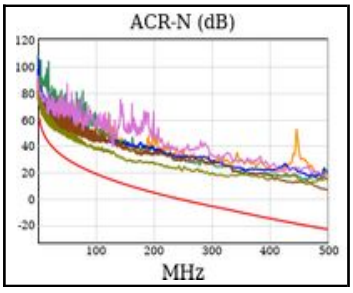


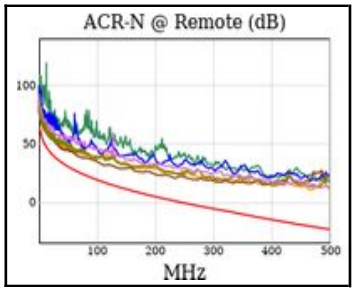
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.3	9.9	9.3	9.9
Freq. (MHz)	467.0	466.0	467.0	466.0
Limit (dB)	9.9	9.9	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	10.4	10.4
Freq. (MHz)	466.0	468.0	469.0	470.0
Limit (dB)	6.9	6.9	6.8	6.8



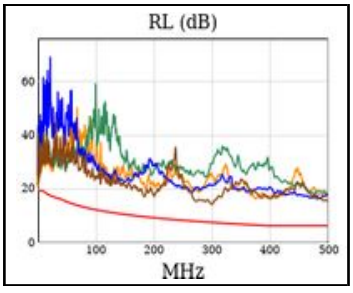


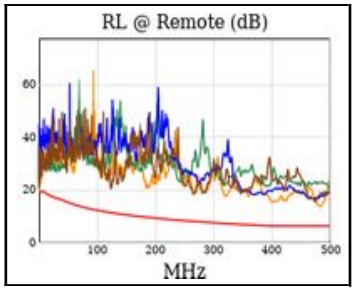
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	8.4	30.1	31.2
Freq. (MHz)	3.3	3.3	500.0	470.0
Limit (dB)	60.7	60.7	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	7.4	31.7	31.7
Freq. (MHz)	3.3	3.3	499.0	470.0
Limit (dB)	58.2	58.2	-26.0	-23.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.7	7.6	6.7	7.6
Freq. (MHz)	302.0	487.0	302.0	487.0
Limit (dB)	7.2	6.0	7.2	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

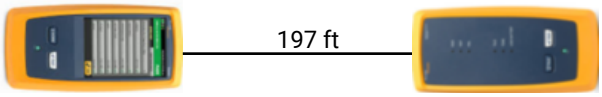
Test Summary: PASS

Date / Time: 11/22/2022 01:24:38 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

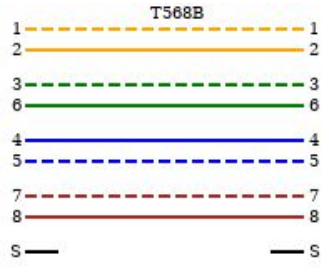
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

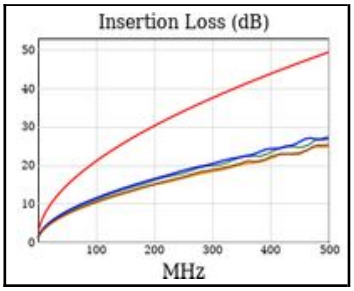
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

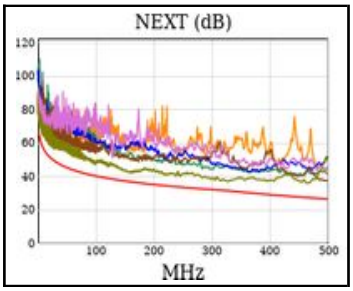
Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 3,6]	306
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	22.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

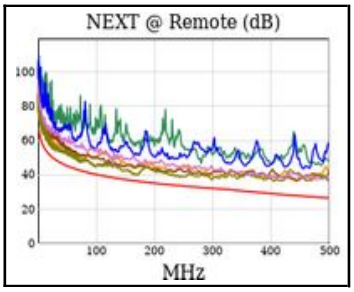


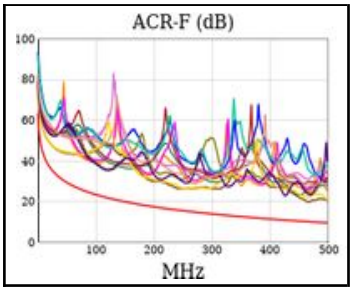
PASS

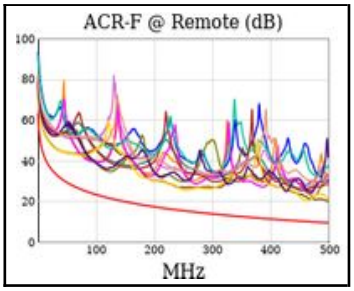


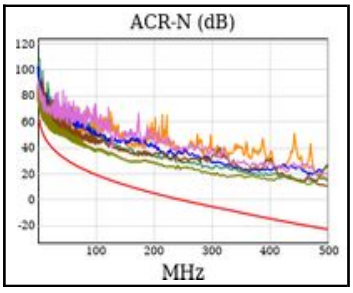


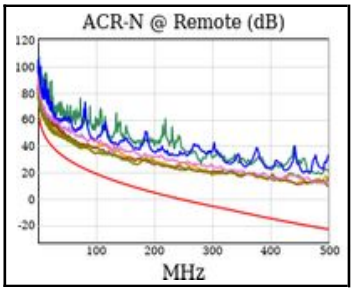


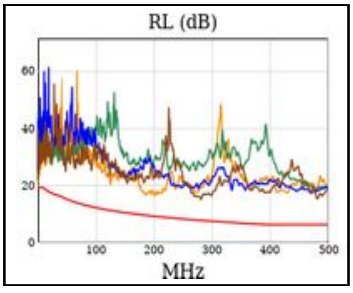


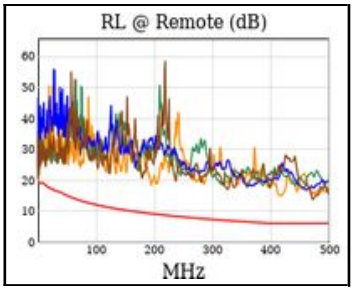












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	1,2-3,6
NEXT (dB)	5.2	3.4	8.6	8.3
Freq. (MHz)	161.5	168.5	464.0	445.0
Limit (dB)	36.4	36.1	27.0	27.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	4.0	10.4	8.2
Freq. (MHz)	3.3	170.5	457.0	464.0
Limit (dB)	62.0	33.1	24.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.6	10.1	9.6	10.4
Freq. (MHz)	468.0	254.0	468.0	500.0
Limit (dB)	9.9	15.2	9.9	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.2	11.0	11.2	11.1
Freq. (MHz)	259.0	473.0	468.0	477.0
Limit (dB)	12.0	6.8	6.9	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	8.8	8.1	33.1	32.9
Freq. (MHz)	3.4	3.4	497.0	500.0
Limit (dB)	60.4	60.4	-23.0	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.5	7.6	34.5	32.9
Freq. (MHz)	3.3	3.3	500.0	498.0
Limit (dB)	58.2	58.2	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	7.1	6.1	7.1	7.7
Freq. (MHz)	187.0	14.4	282.0	474.0
Limit (dB)	9.3	18.2	7.5	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-A

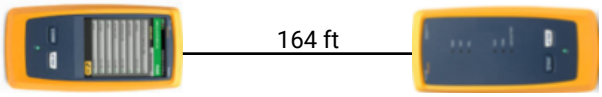
Test Summary: PASS

Date / Time: 11/19/2022 05:36:00 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

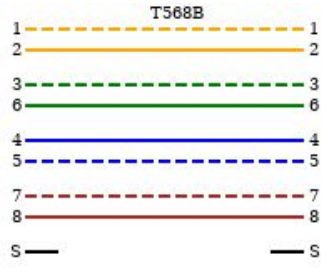
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

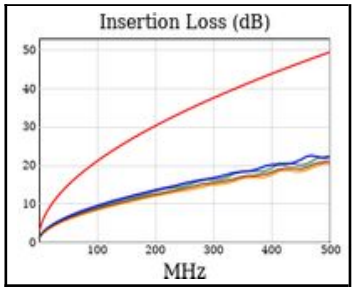
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

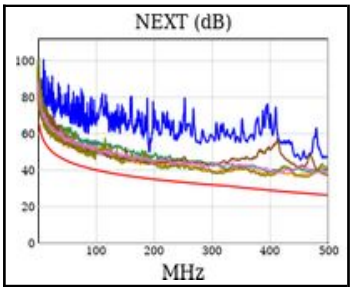
Length (ft), Limit 328	[Pair 1,2]	164
Prop. Delay (ns), Limit 555	[Pair 4,5]	261
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 4,5]	25.3
Frequency (MHz)	[Pair 4,5]	471.0
Limit (dB)	[Pair 4,5]	47.7

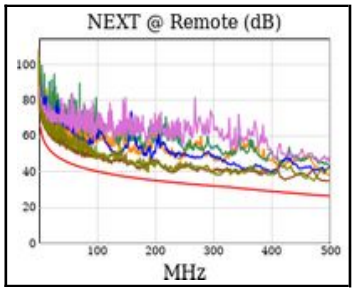


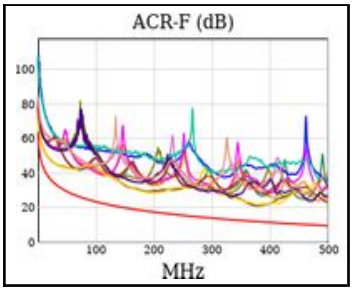
PASS

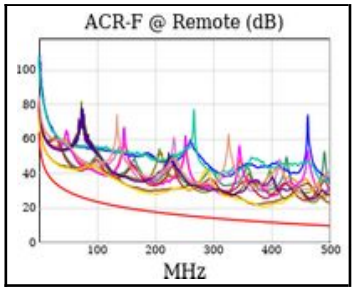


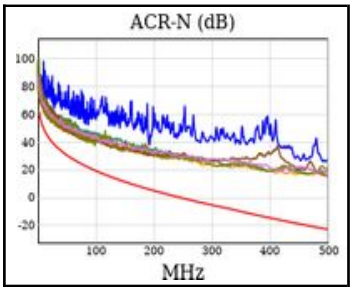


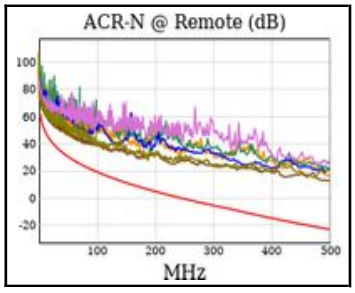


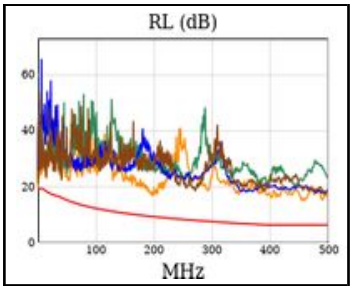


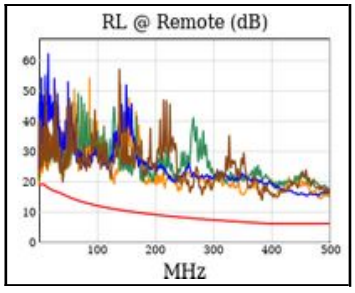












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.6	4.2	8.8	8.0
Freq. (MHz)	99.0	188.5	462.0	496.0
Limit (dB)	40.0	35.2	27.0	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	5.4	8.8	8.9
Freq. (MHz)	82.8	188.5	462.0	496.0
Limit (dB)	38.5	32.3	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.1	9.0	9.1	9.1
Freq. (MHz)	379.0	383.0	379.0	389.0
Limit (dB)	11.7	11.6	11.7	11.5
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	11.0	10.5	11.1	10.7
Freq. (MHz)	379.0	383.0	384.0	391.0
Limit (dB)	8.7	8.6	8.6	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.3	8.4	38.2	35.2
Freq. (MHz)	4.0	3.8	498.0	496.0
Limit (dB)	58.9	59.5	-23.1	-22.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.9	8.9	37.8	35.8
Freq. (MHz)	4.0	4.0	498.0	496.0
Limit (dB)	56.4	56.4	-25.9	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.7	3.9	8.7	7.3
Freq. (MHz)	15.4	41.8	460.0	384.0
Limit (dB)	18.1	15.8	6.0	6.2

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121-B

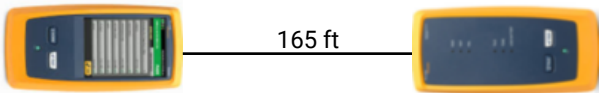
Test Summary: PASS

Date / Time: 11/19/2022 05:36:22 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

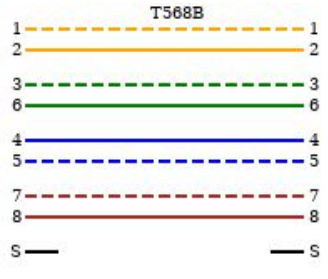
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

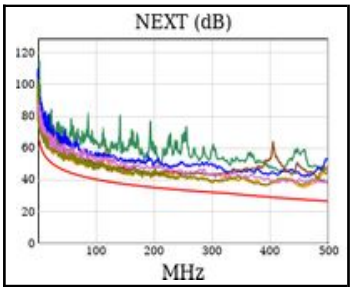
Length (ft), Limit 328	[Pair 1,2]	165
Prop. Delay (ns), Limit 555	[Pair 4,5]	260
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	26.5
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

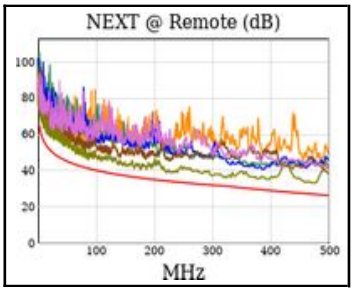


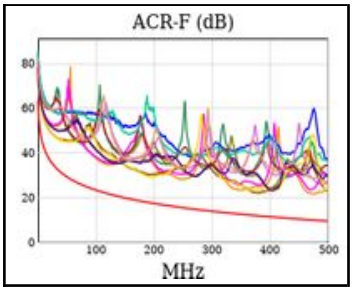
PASS

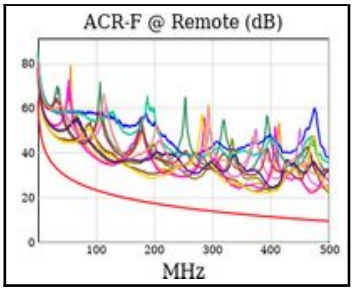


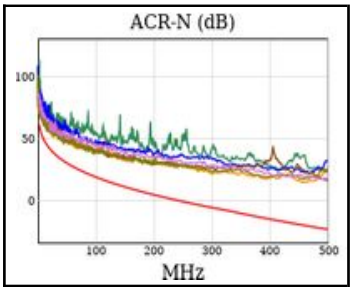


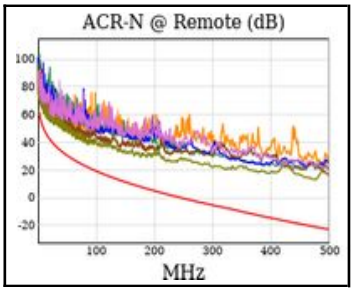


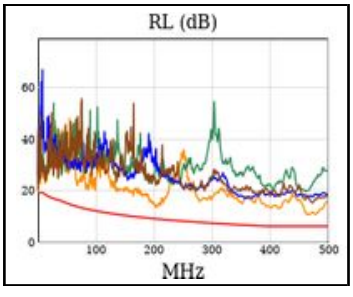


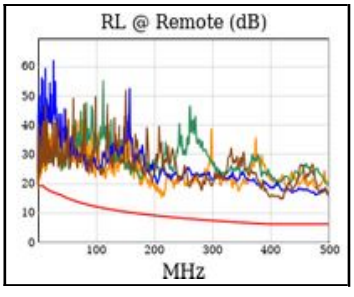












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	5.4	4.4	7.8	6.1
Freq. (MHz)	181.0	324.0	458.0	476.0
Limit (dB)	35.5	31.2	27.1	26.7
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	4.9	6.2	8.2	7.9
Freq. (MHz)	95.5	4.0	458.0	461.0
Limit (dB)	37.4	60.5	24.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.2	10.3	11.7	12.1
Freq. (MHz)	379.0	384.0	475.0	473.0
Limit (dB)	11.7	11.6	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.1	11.1	11.3
Freq. (MHz)	363.0	384.0	399.0	393.0
Limit (dB)	9.1	8.6	8.2	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	10.0	9.5	34.8	33.9
Freq. (MHz)	4.3	4.0	462.0	476.0
Limit (dB)	58.3	58.9	-20.2	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	8.6	35.2	35.4
Freq. (MHz)	3.9	4.0	461.0	478.0
Limit (dB)	56.7	56.4	-23.0	-24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.3	6.0	4.5	8.5
Freq. (MHz)	204.0	13.6	468.0	418.0
Limit (dB)	8.9	18.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121C-A

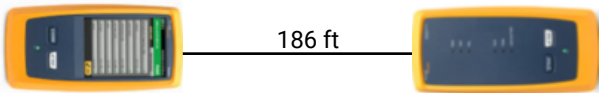
Test Summary: PASS

Date / Time: 12/17/2022 01:14:40 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

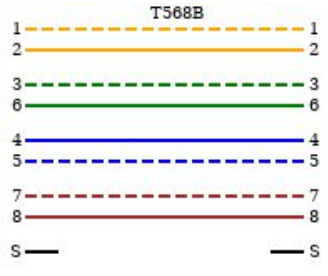
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	295
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

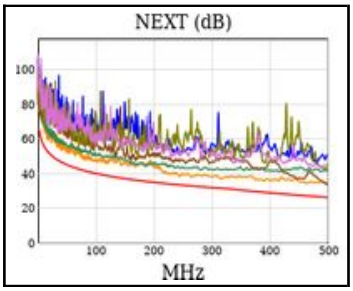


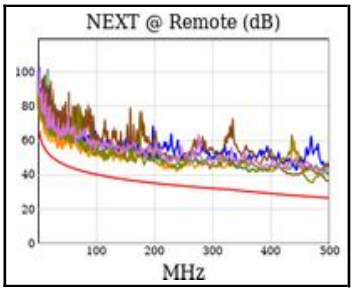
PASS



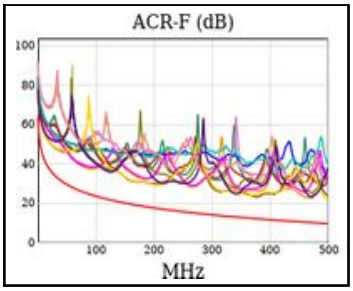


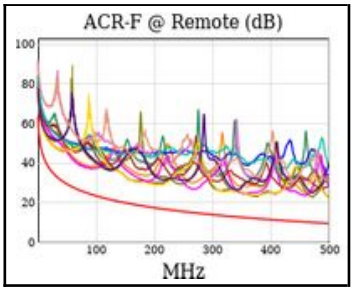
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.0	7.4	7.3	8.2
Freq. (MHz)	245.0	33.5	500.0	473.0
Limit (dB)	33.3	47.9	26.1	26.8
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.7	8.7	7.4	9.7
Freq. (MHz)	246.5	239.5	500.0	473.0
Limit (dB)	30.3	30.5	23.2	23.9



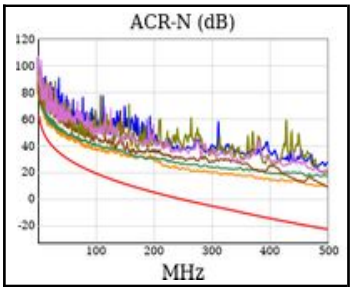


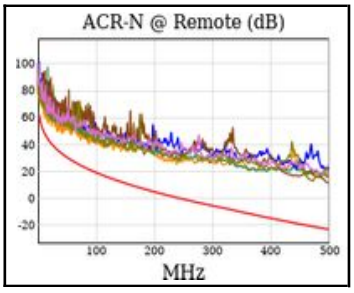
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	11.1	11.3	12.2	13.1
Freq. (MHz)	378.0	376.0	500.0	500.0
Limit (dB)	11.7	11.8	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.2	12.7	11.6
Freq. (MHz)	349.0	347.0	471.0	378.0
Limit (dB)	9.4	9.5	6.8	8.7



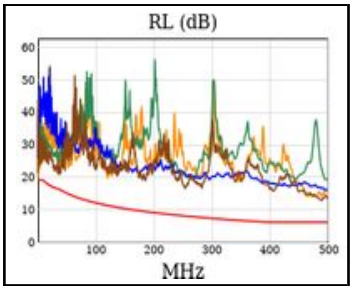


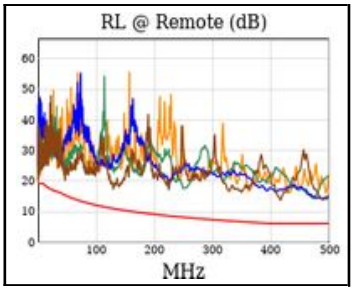
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.0	11.5	31.8	34.2
Freq. (MHz)	18.5	3.6	498.0	500.0
Limit (dB)	43.4	59.8	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.7	11.0	31.3	33.0
Freq. (MHz)	3.4	3.5	500.0	473.0
Limit (dB)	57.9	57.6	-26.1	-24.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.1	4.8	6.7	7.6
Freq. (MHz)	36.5	47.5	490.0	491.0
Limit (dB)	16.2	15.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 121C-B

Test Summary: PASS

Date / Time: 12/17/2022 01:17:07 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	187
Prop. Delay (ns), Limit 555	[Pair 4,5]	294
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	24.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	8.1	7.8	9.0
Freq. (MHz)	232.0	233.5	465.0	456.0
Limit (dB)	33.7	33.6	27.0	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	8.1	9.1	11.0
Freq. (MHz)	232.0	234.0	500.0	466.0
Limit (dB)	30.7	30.7	23.2	24.0

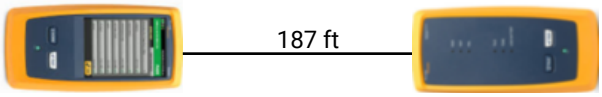
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.1	9.6	9.1	9.8
Freq. (MHz)	499.0	361.0	499.0	500.0
Limit (dB)	9.3	12.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.8	11.4	11.7
Freq. (MHz)	346.0	361.0	499.0	499.0
Limit (dB)	9.5	9.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.9	11.8	32.9	32.0
Freq. (MHz)	20.3	11.0	491.0	456.0
Limit (dB)	42.3	49.1	-22.5	-19.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.6	11.8	33.4	34.9
Freq. (MHz)	5.3	3.5	500.0	466.0
Limit (dB)	53.9	57.6	-26.1	-23.4

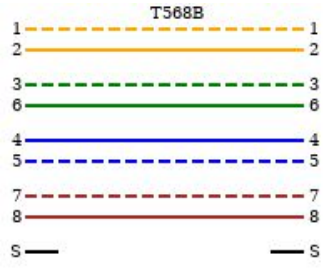
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	3,6
RL (dB)	4.5	6.0	5.4	6.9
Freq. (MHz)	36.5	11.8	490.0	456.0
Limit (dB)	16.2	18.6	6.0	6.0

Compliant Network Standards:

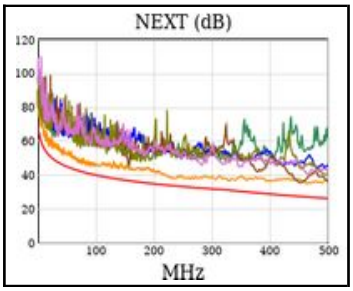
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

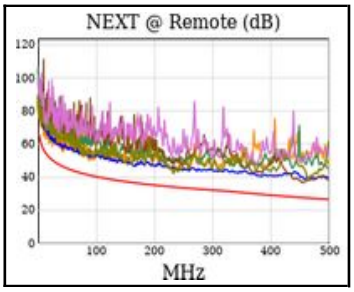


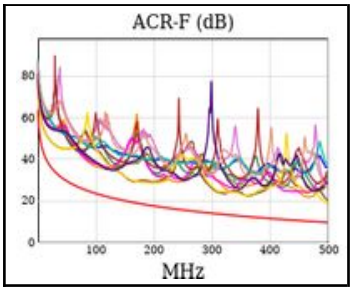
PASS

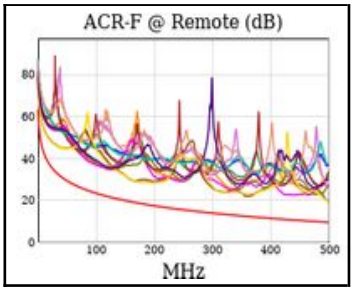


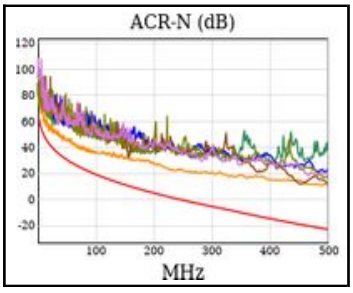


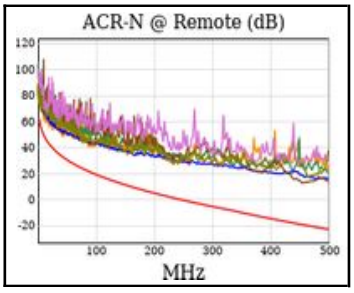


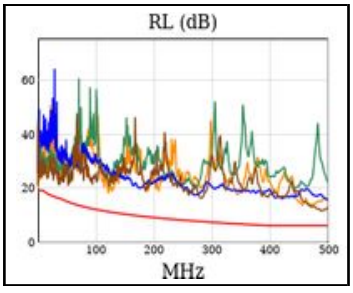


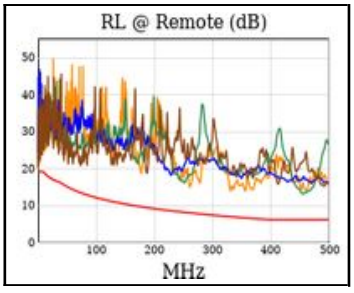












FLUKE networks

LinkWare Live

Cable ID: 122-A

Test Summary: PASS

Date / Time: 12/19/2022 02:19:44 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.1
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	483.0
Limit (dB)	[Pair 3,6]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-4,5	3,6-4,5
NEXT (dB)	4.4	6.6	7.4	8.0
Freq. (MHz)	228.0	2.8	481.0	489.0
Limit (dB)	33.8	65.0	26.6	26.4
Worst Pair	3,6	3,6	1,2	4,5
PS NEXT (dB)	4.3	7.5	7.3	9.4
Freq. (MHz)	227.5	5.5	461.0	495.0
Limit (dB)	30.9	58.3	24.2	23.3

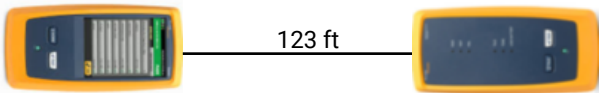
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.4	9.7	9.5
Freq. (MHz)	457.0	380.0	465.0	446.0
Limit (dB)	10.1	11.7	9.9	10.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.4	11.1	12.1	11.8
Freq. (MHz)	418.0	388.0	462.0	446.0
Limit (dB)	7.8	8.5	7.0	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.6	9.0	37.3	40.4
Freq. (MHz)	2.8	2.8	463.0	489.0
Limit (dB)	61.5	61.5	-20.3	-22.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.6	10.3	42.0	40.9
Freq. (MHz)	5.4	2.8	498.0	486.0
Limit (dB)	53.7	58.5	-25.9	-25.0

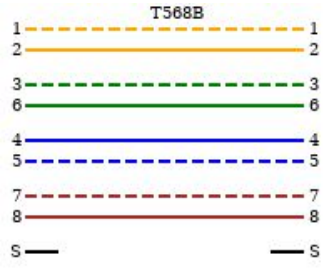
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.7	4.9	7.8	4.9
Freq. (MHz)	328.0	498.0	499.0	498.0
Limit (dB)	6.8	6.0	6.0	6.0

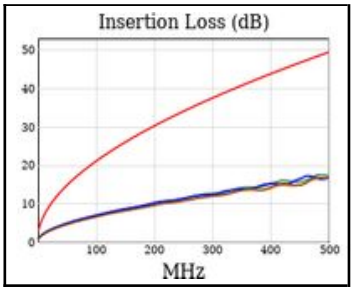
Compliant Network Standards:

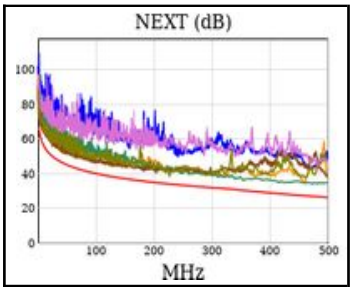
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

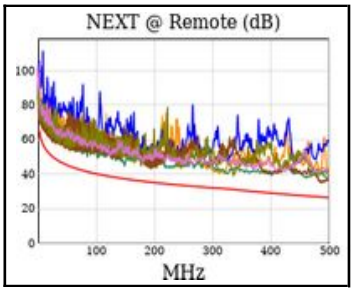


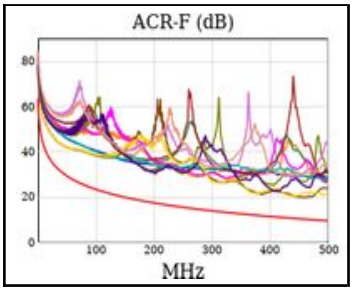
PASS

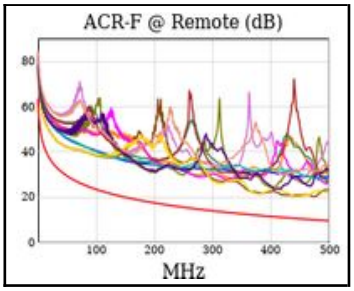


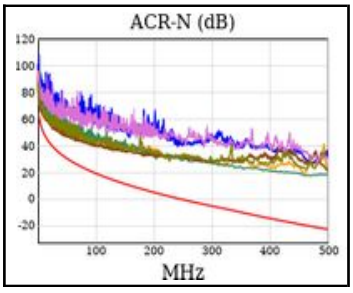


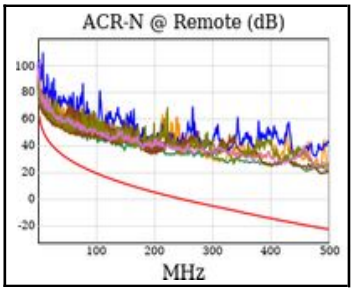


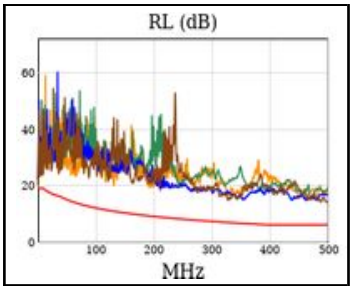


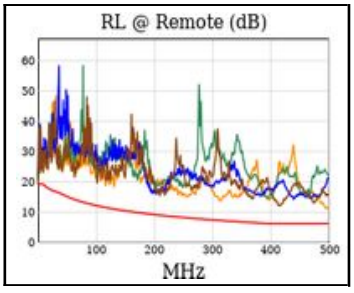












FLUKE networks

LinkWare Live

Cable ID: 122-B

Test Summary: PASS

Date / Time: 12/19/2022 02:21:17 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	6.0
Insertion Loss Margin (dB)	[Pair 3,6]	32.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.6	5.5	9.0	7.1
Freq. (MHz)	237.0	199.0	500.0	490.0
Limit (dB)	33.5	34.8	26.1	26.3
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.1	7.0	8.9	7.0
Freq. (MHz)	237.0	490.0	500.0	490.0
Limit (dB)	30.6	23.5	23.2	23.5

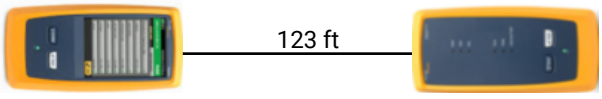
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.9	10.6	10.9	11.2
Freq. (MHz)	314.0	314.0	417.0	405.0
Limit (dB)	13.3	13.3	10.9	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.4	11.7	11.2
Freq. (MHz)	9.6	6.8	414.0	402.0
Limit (dB)	40.6	43.7	7.9	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	9.0	41.0	39.5
Freq. (MHz)	2.6	2.9	500.0	490.0
Limit (dB)	61.6	61.4	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.1	10.1	40.9	40.1
Freq. (MHz)	5.4	2.9	500.0	499.0
Limit (dB)	53.7	58.4	-26.1	-26.0

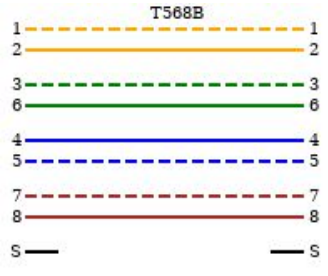
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	4,5	7,8	7,8
RL (dB)	6.3	5.7	6.3	6.4
Freq. (MHz)	484.0	205.5	484.0	481.0
Limit (dB)	6.0	8.9	6.0	6.0

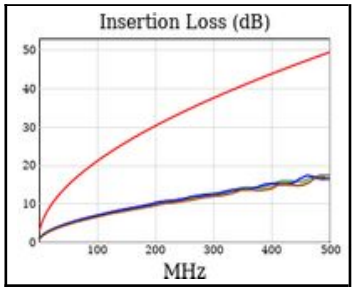
Compliant Network Standards:

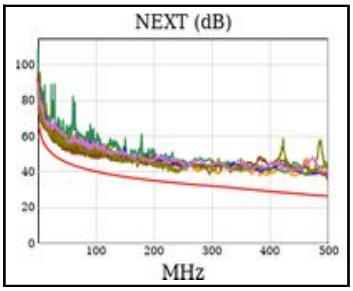
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

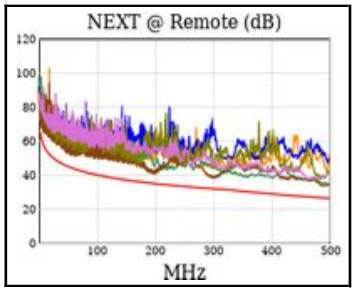


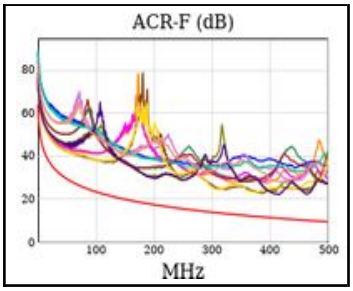
PASS

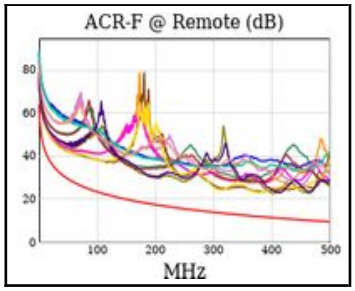


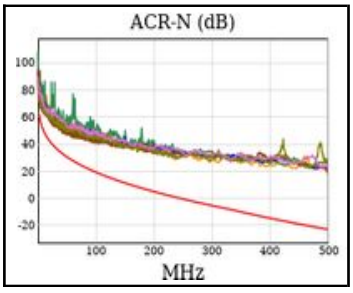


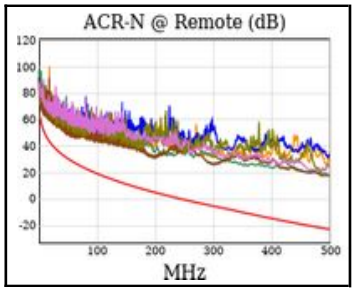


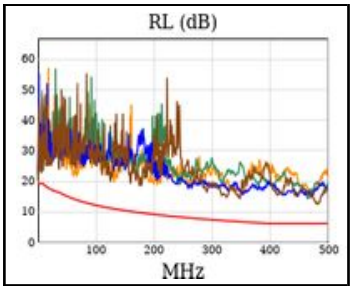


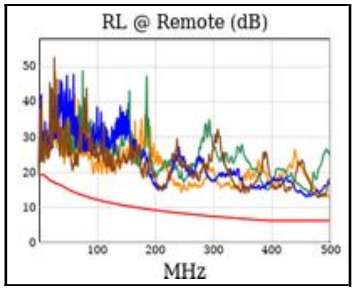












FLUKE networks

LinkWare Live

Cable ID: 122-B

Test Summary: PASS

Date / Time: 11/25/2022 06:34:25 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 3,6]	206
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.9	4.1	7.7	5.1
Freq. (MHz)	235.5	34.8	480.0	500.0
Limit (dB)	33.6	47.6	26.6	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	6.2	7.8	7.1
Freq. (MHz)	235.5	34.8	497.0	500.0
Limit (dB)	30.6	44.9	23.3	23.2

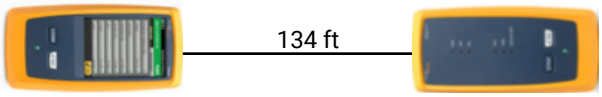
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.7	10.1	9.7
Freq. (MHz)	316.0	322.0	321.0	322.0
Limit (dB)	13.3	13.1	13.1	13.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.8	12.7	13.3
Freq. (MHz)	326.0	3.6	399.0	393.0
Limit (dB)	10.0	49.1	8.2	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.0	8.0	37.4	35.7
Freq. (MHz)	2.8	3.0	488.0	500.0
Limit (dB)	61.5	61.4	-22.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.4	37.6	37.1
Freq. (MHz)	5.1	3.0	497.0	499.0
Limit (dB)	54.1	58.4	-25.8	-26.0

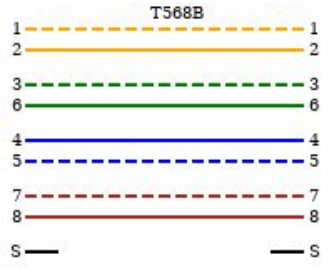
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	6.6	6.2	6.6	9.1
Freq. (MHz)	497.0	21.3	497.0	456.0
Limit (dB)	6.0	17.4	6.0	6.0

Compliant Network Standards:

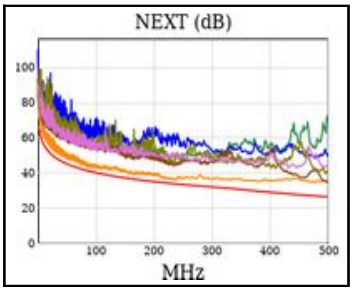
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

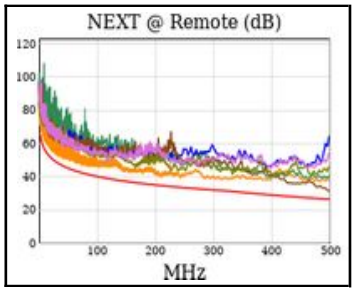


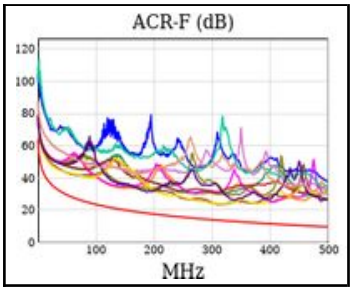
PASS

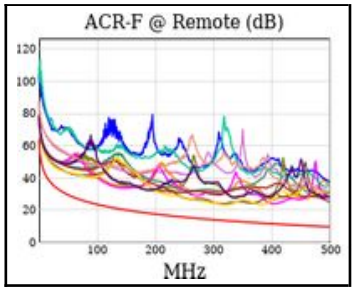


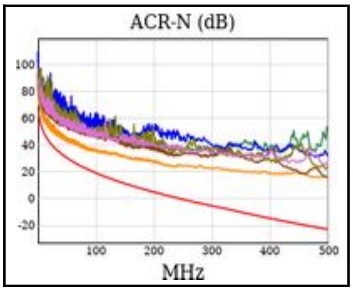


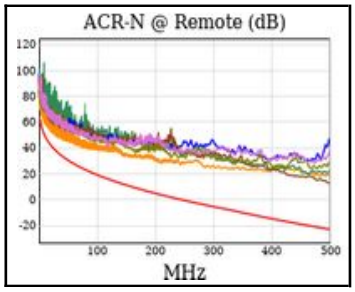


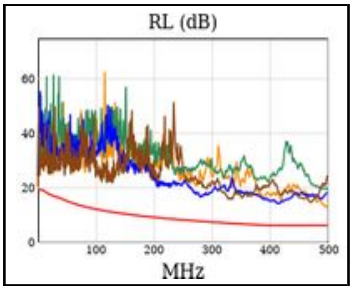


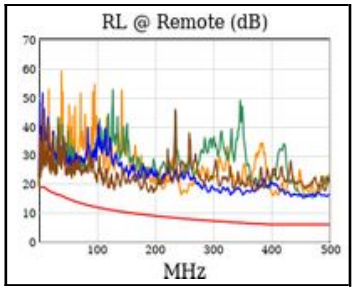












FLUKE networks

LinkWare Live

Cable ID: 122-B

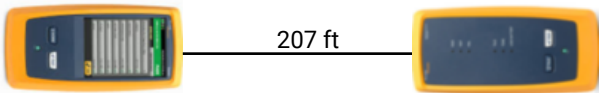
Test Summary: PASS

Date / Time: 12/04/2022 04:06:05 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

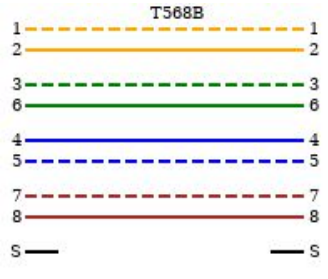
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

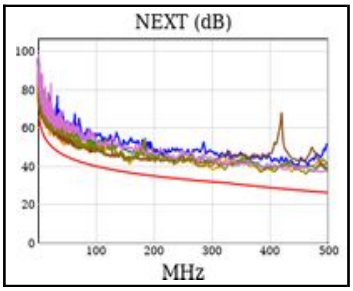
Length (ft), Limit 328	[Pair 1,2]	207
Prop. Delay (ns), Limit 555	[Pair 4,5]	329
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	18.6
Insertion Loss Margin (dB)	[Pair 3,6]	20.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

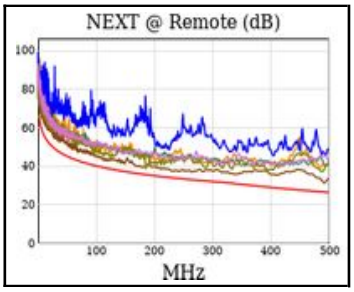


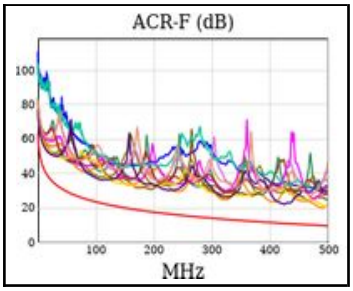
PASS

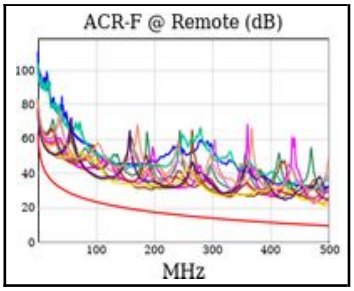


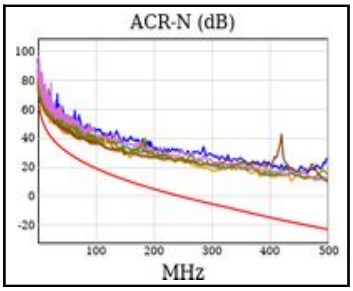


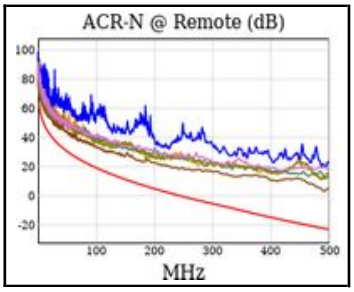


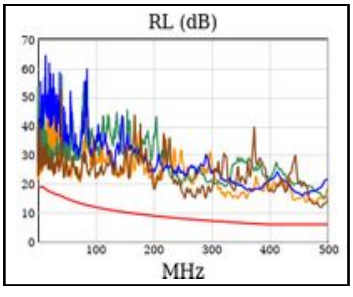


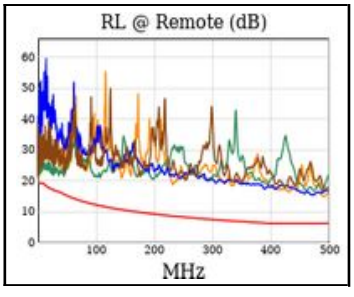












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	3.9	3.1	8.9	4.9
Freq. (MHz)	3.0	186.5	463.0	494.0
Limit (dB)	65.0	35.3	27.0	26.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.1	3.2	10.1	6.5
Freq. (MHz)	158.5	186.5	500.0	493.0
Limit (dB)	33.6	32.4	23.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.3	11.5	10.4	11.6
Freq. (MHz)	488.0	495.0	493.0	496.0
Limit (dB)	9.5	9.4	9.4	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	12.5	10.6	13.0
Freq. (MHz)	494.0	325.0	494.0	496.0
Limit (dB)	6.4	10.0	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	5.6	6.8	32.7	25.6
Freq. (MHz)	3.0	3.1	500.0	494.0
Limit (dB)	61.4	61.1	-23.2	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	5.9	7.0	31.1	27.0
Freq. (MHz)	3.1	4.6	500.0	493.0
Limit (dB)	58.3	55.1	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.7	3.7	5.9	8.6
Freq. (MHz)	9.0	6.6	490.0	493.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-A

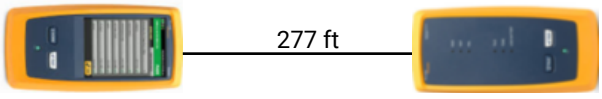
Test Summary: PASS

Date / Time: 11/27/2022 01:14:40 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

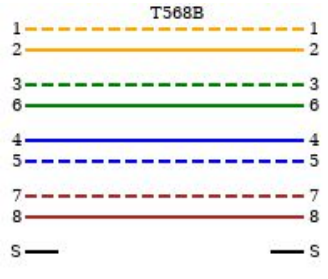
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

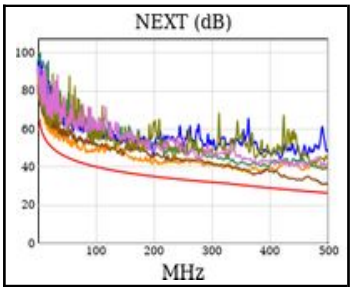
Length (ft), Limit 328	[Pair 1,2]	277
Prop. Delay (ns), Limit 555	[Pair 4,5]	438
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 7,8]	19.1
Insertion Loss Margin (dB)	[Pair 3,6]	11.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

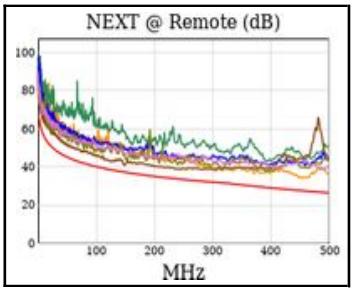


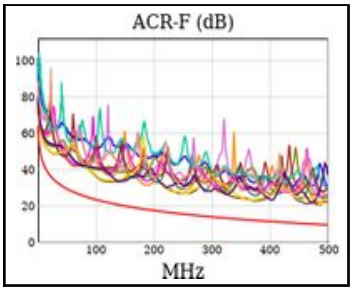
PASS

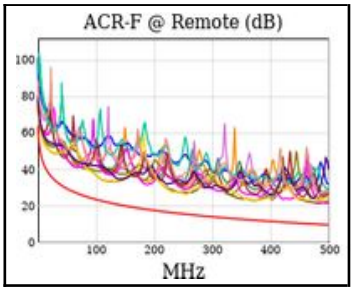


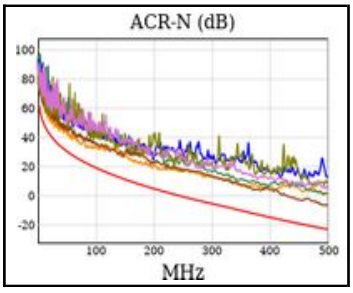


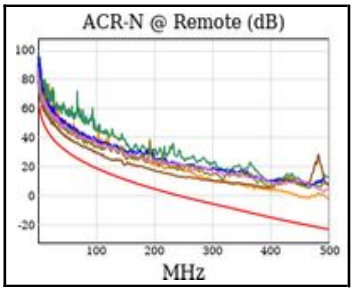


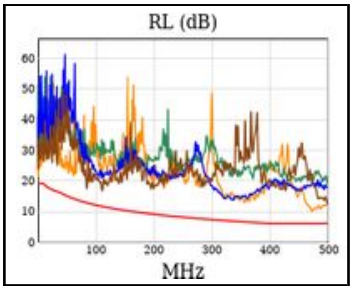


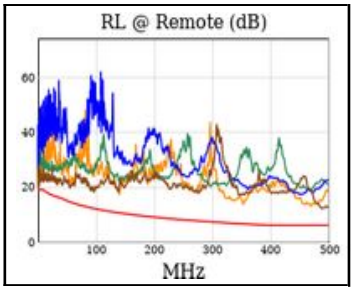












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.2	3.5	4.3	6.6
Freq. (MHz)	491.0	149.5	500.0	456.0
Limit (dB)	26.3	37.0	26.1	27.2
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.1	4.9	6.3	8.1
Freq. (MHz)	491.0	152.5	500.0	456.0
Limit (dB)	23.4	33.9	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.6	10.7	10.7	11.4
Freq. (MHz)	481.0	371.0	488.0	483.0
Limit (dB)	9.6	11.9	9.5	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.7	10.5	10.8
Freq. (MHz)	480.0	483.0	480.0	487.0
Limit (dB)	6.6	6.6	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.7	8.1	16.0	20.7
Freq. (MHz)	20.9	7.8	500.0	500.0
Limit (dB)	42.0	52.7	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	8.4	17.6	22.4
Freq. (MHz)	17.1	17.3	500.0	500.0
Limit (dB)	41.6	41.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	3.9	2.8	3.9	6.2
Freq. (MHz)	473.0	10.0	473.0	489.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-B

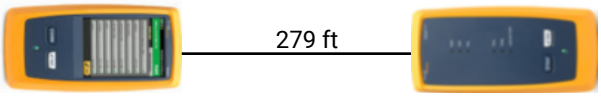
Test Summary: PASS

Date / Time: 11/27/2022 01:15:47 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

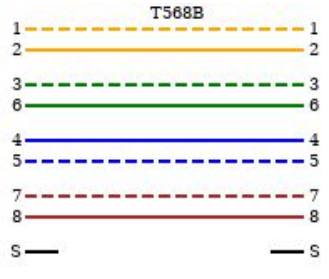
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

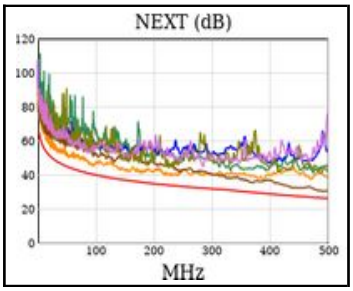
Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	439
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 7,8]	19.2
Insertion Loss Margin (dB)	[Pair 3,6]	11.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

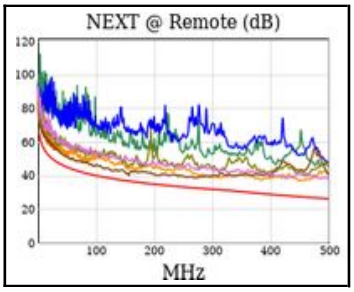


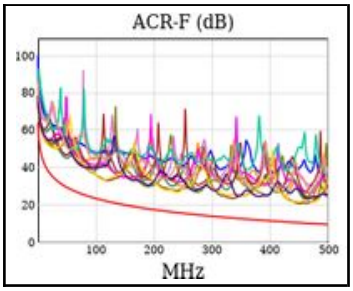
PASS

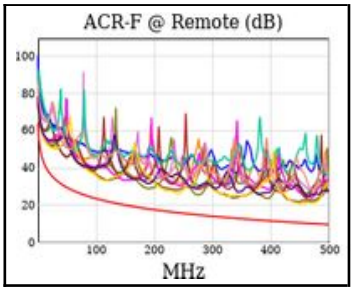


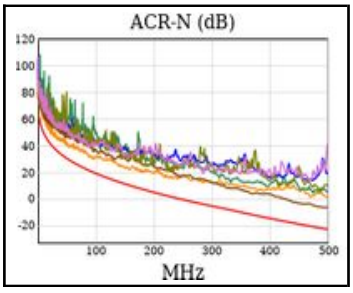


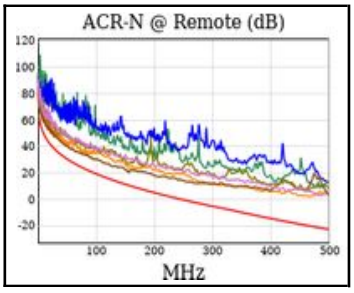


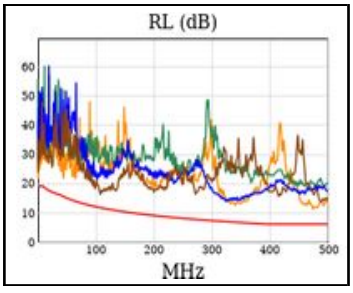


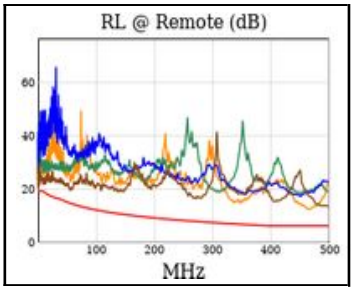












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	3.1	3.9	9.5
Freq. (MHz)	493.0	157.0	493.0	450.0
Limit (dB)	26.3	36.6	26.3	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	3.9	6.1	10.3
Freq. (MHz)	493.0	157.0	493.0	459.0
Limit (dB)	23.4	33.7	23.4	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.1	10.4	10.2
Freq. (MHz)	452.0	452.0	453.0	454.0
Limit (dB)	10.2	10.2	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.0	11.4	11.1
Freq. (MHz)	472.0	473.0	475.0	474.0
Limit (dB)	6.8	6.8	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	7.6	7.2	16.3	22.2
Freq. (MHz)	23.3	3.3	500.0	468.0
Limit (dB)	40.7	60.7	-23.2	-20.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.1	8.1	18.2	24.2
Freq. (MHz)	23.3	4.5	500.0	500.0
Limit (dB)	38.0	55.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.5	2.6	5.1	6.3
Freq. (MHz)	108.5	10.0	475.0	463.0
Limit (dB)	11.6	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-1-A

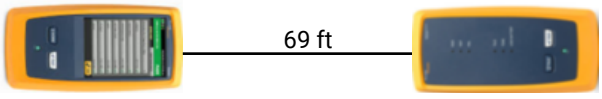
Test Summary: PASS

Date / Time: 11/21/2022 03:59:26 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

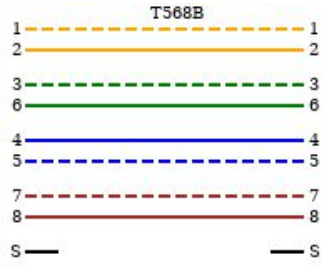
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	69
Prop. Delay (ns), Limit 555	[Pair 4,5]	106
Delay Skew (ns), Limit 50	[Pair 4,5]	4
Resistance (ohms)	[Pair 3,6]	3.3
Insertion Loss Margin (dB)	[Pair 3,6]	38.5
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.6	2.3	5.1	4.4
Freq. (MHz)	68.0	203.5	498.0	476.0
Limit (dB)	42.8	34.7	26.1	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	4.4	6.4	6.2
Freq. (MHz)	68.0	243.5	497.0	465.0
Limit (dB)	40.0	30.4	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	10.3	10.3	13.0	13.5
Freq. (MHz)	50.5	50.5	498.0	476.0
Limit (dB)	29.2	29.2	9.3	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.9	13.4	14.5
Freq. (MHz)	40.3	40.3	498.0	469.0
Limit (dB)	28.2	28.2	6.3	6.8

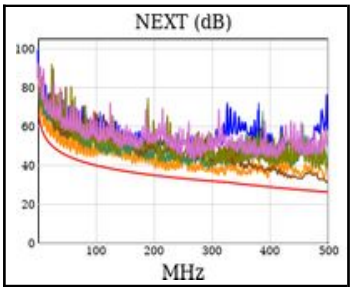
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.7	8.9	45.2	42.5
Freq. (MHz)	5.4	5.5	498.0	476.0
Limit (dB)	56.2	56.0	-23.1	-21.3
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	9.8	10.2	45.0	45.8
Freq. (MHz)	5.4	5.5	498.0	493.0
Limit (dB)	53.7	53.4	-25.9	-25.5

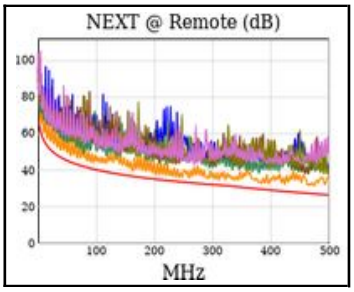
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	4,5	7,8	4,5
RL (dB)	4.4	5.3	4.4	5.3
Freq. (MHz)	492.0	482.0	492.0	482.0
Limit (dB)	6.0	6.0	6.0	6.0

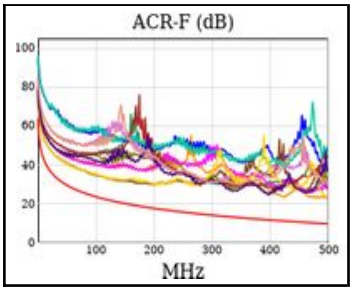
Compliant Network Standards:

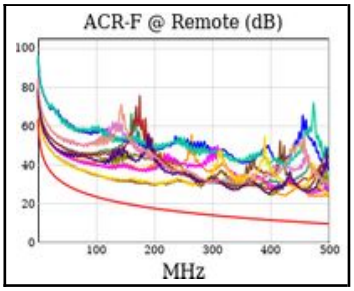
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

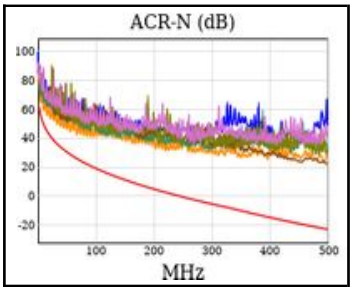


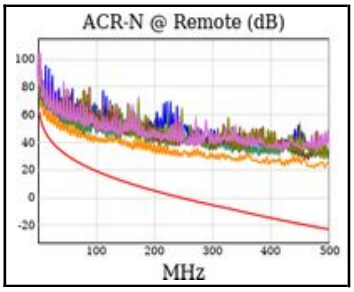


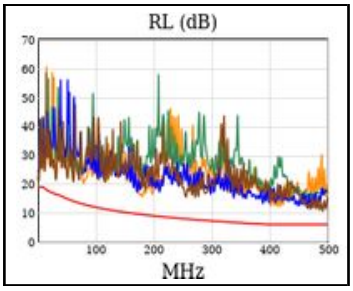


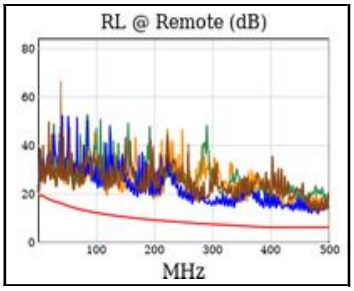












FLUKE networks

LinkWare Live

Cable ID: 123-1-B

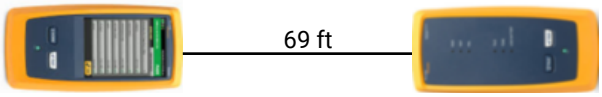
Test Summary: PASS

Date / Time: 11/21/2022 04:05:46 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

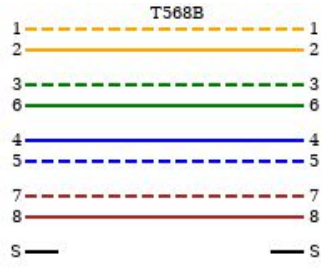
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

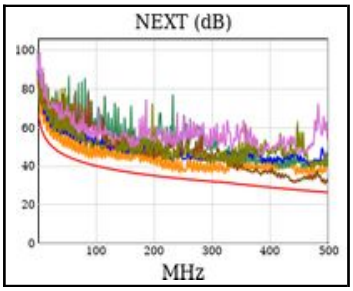
Length (ft), Limit 328	[Pair 1,2]	69
Prop. Delay (ns), Limit 555	[Pair 3,6]	107
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 3,6]	3.3
Insertion Loss Margin (dB)	[Pair 3,6]	37.9
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

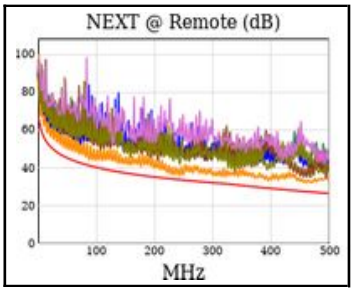


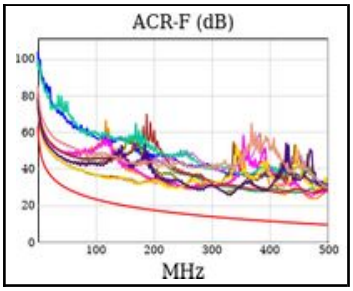
PASS

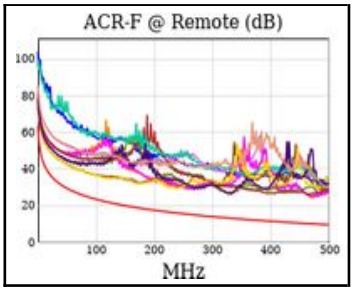


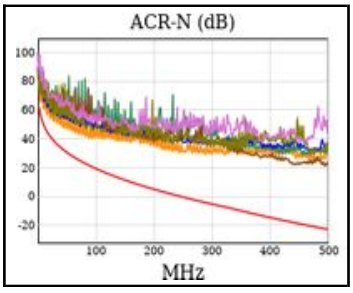


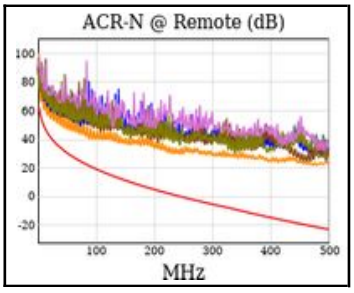


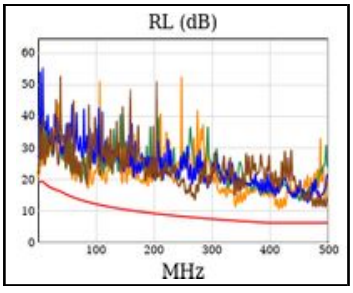


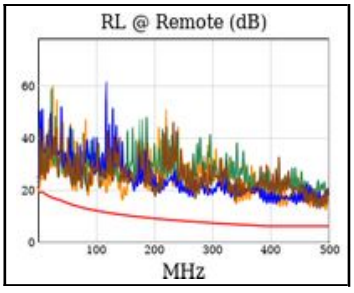












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.0	2.2	4.0	4.6
Freq. (MHz)	245.5	234.0	496.0	463.0
Limit (dB)	33.3	33.6	26.2	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.2	5.6	5.6
Freq. (MHz)	245.5	245.0	496.0	463.0
Limit (dB)	30.3	30.3	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	12.3	12.3	13.5	14.2
Freq. (MHz)	62.3	62.3	473.0	474.0
Limit (dB)	27.4	27.4	9.8	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.2	12.3	15.4	15.4
Freq. (MHz)	1.4	2.1	482.0	483.0
Limit (dB)	57.5	53.7	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	10.0	43.3	43.0
Freq. (MHz)	5.4	5.4	496.0	480.0
Limit (dB)	56.2	56.2	-22.9	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	11.2	44.0	45.4
Freq. (MHz)	5.4	5.4	496.0	496.0
Limit (dB)	53.7	53.7	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.2	5.3	4.2	6.2
Freq. (MHz)	416.0	87.0	416.0	496.0
Limit (dB)	6.0	12.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-2-A

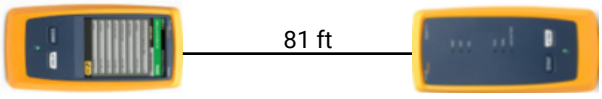
Test Summary: PASS

Date / Time: 11/21/2022 04:09:00 PM
Headroom: 1.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

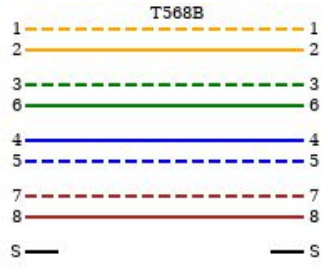
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

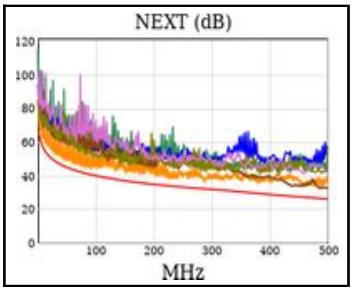
Length (ft), Limit 328	[Pair 1,2]	81
Prop. Delay (ns), Limit 555	[Pair 3,6]	125
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 7,8]	5.5
Insertion Loss Margin (dB)	[Pair 3,6]	36.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

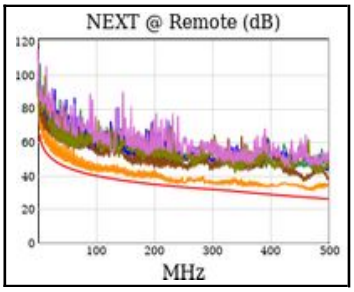


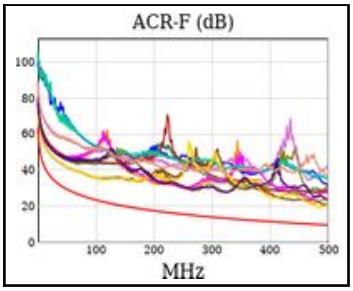
PASS

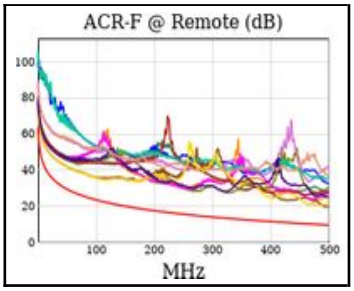


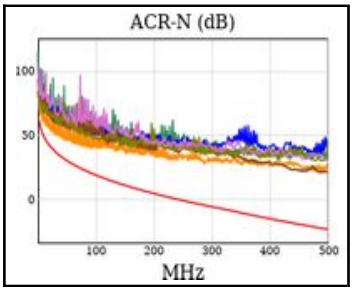


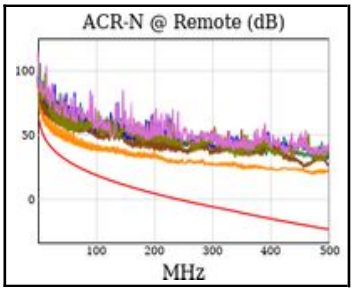


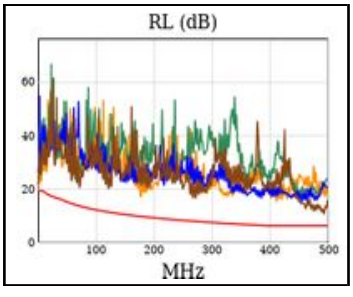


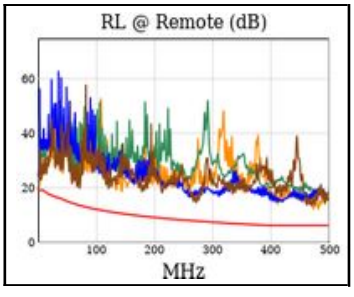












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.3	1.7	5.7	3.9
Freq. (MHz)	92.5	241.5	489.0	474.0
Limit (dB)	40.5	33.4	26.4	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	4.1	6.5	6.4
Freq. (MHz)	92.5	241.5	492.0	474.0
Limit (dB)	37.7	30.4	23.4	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	10.1	9.8	10.1
Freq. (MHz)	484.0	499.0	485.0	499.0
Limit (dB)	9.6	9.3	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	11.6	10.4	11.7
Freq. (MHz)	484.0	1.1	486.0	494.0
Limit (dB)	6.6	59.2	6.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.2	9.1	43.0	40.2
Freq. (MHz)	4.4	4.5	489.0	474.0
Limit (dB)	58.1	57.8	-22.3	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.8	43.1	42.6
Freq. (MHz)	4.4	4.5	492.0	474.0
Limit (dB)	55.6	55.3	-25.5	-24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.2	5.9	4.2	5.9
Freq. (MHz)	494.0	483.0	494.0	483.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-2-B

Test Summary: PASS

Date / Time: 11/21/2022 04:09:41 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	75
Prop. Delay (ns), Limit 555	[Pair 3,6]	116
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 7,8]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	36.7
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.9	2.4	4.3	4.9
Freq. (MHz)	91.3	101.0	438.0	477.0
Limit (dB)	40.6	39.9	27.7	26.7
Worst Pair	1,2	1,2	3,6	1,2
PS NEXT (dB)	5.2	3.7	7.3	6.2
Freq. (MHz)	76.3	228.0	498.0	477.0
Limit (dB)	39.1	30.9	23.3	23.8

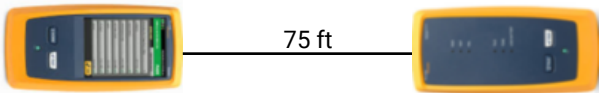
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.8	10.1	10.8	10.6
Freq. (MHz)	485.0	471.0	485.0	497.0
Limit (dB)	9.5	9.8	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.2	12.0
Freq. (MHz)	5.9	5.8	486.0	493.0
Limit (dB)	44.9	45.1	6.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	10.7	41.1	41.4
Freq. (MHz)	5.0	5.1	458.0	477.0
Limit (dB)	56.9	56.6	-19.9	-21.4
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.0	11.3	44.5	44.5
Freq. (MHz)	5.0	5.1	498.0	498.0
Limit (dB)	54.3	54.1	-25.9	-25.9

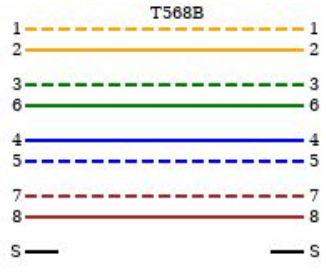
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	7,8	4,5
RL (dB)	5.6	6.3	5.7	6.3
Freq. (MHz)	74.8	467.0	484.0	467.0
Limit (dB)	13.3	6.0	6.0	6.0

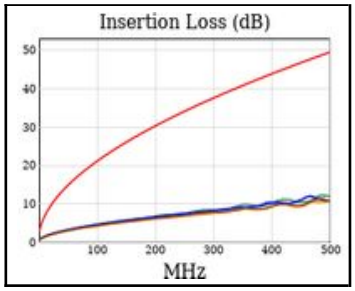
Compliant Network Standards:

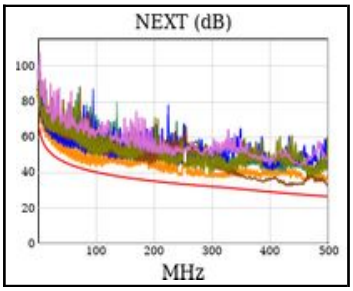
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

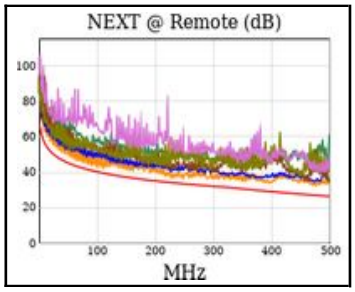


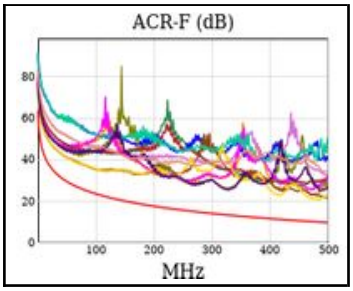
PASS

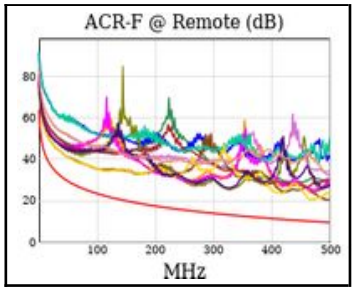


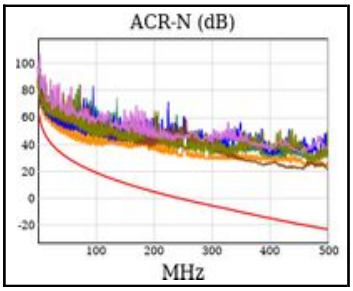


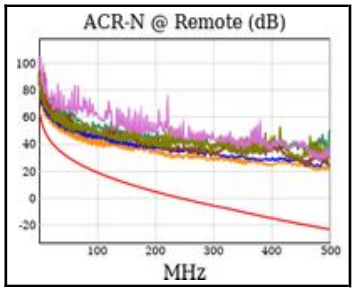


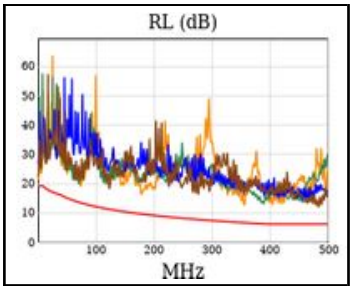


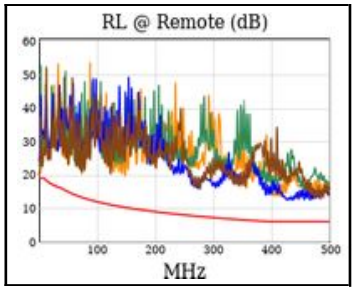












FLUKE networks

LinkWare Live

Cable ID: 123-3-A

Test Summary: PASS

Date / Time: 11/21/2022 04:12:28 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	111
Prop. Delay (ns), Limit 555	[Pair 3,6]	173
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	5.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.6
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.8	2.9	5.5	5.4
Freq. (MHz)	71.5	234.0	500.0	462.0
Limit (dB)	42.4	33.6	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	4.8	7.5	8.2
Freq. (MHz)	97.3	234.0	500.0	500.0
Limit (dB)	37.3	30.7	23.2	23.2

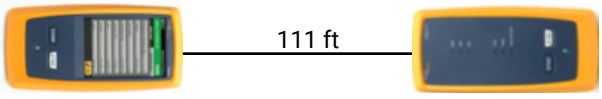
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	9.9	10.3	10.5
Freq. (MHz)	446.0	393.0	448.0	464.0
Limit (dB)	10.3	11.4	10.2	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.7	12.7	12.4
Freq. (MHz)	339.0	1.0	467.0	437.0
Limit (dB)	9.7	60.3	6.9	7.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	9.8	39.2	39.8
Freq. (MHz)	3.3	9.6	500.0	492.0
Limit (dB)	60.7	50.5	-23.2	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	11.5	40.5	41.2
Freq. (MHz)	3.3	3.1	500.0	500.0
Limit (dB)	58.2	58.3	-26.1	-26.1

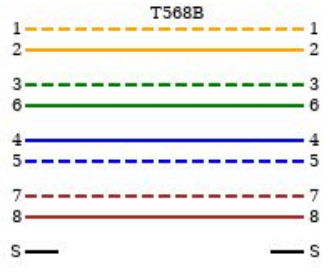
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.8	6.3	6.3	6.3
Freq. (MHz)	74.3	478.0	482.0	478.0
Limit (dB)	13.3	6.0	6.0	6.0

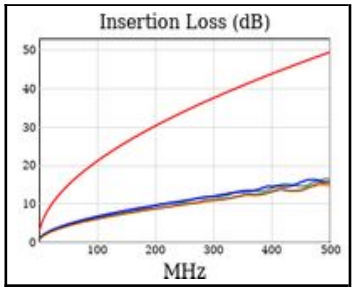
Compliant Network Standards:

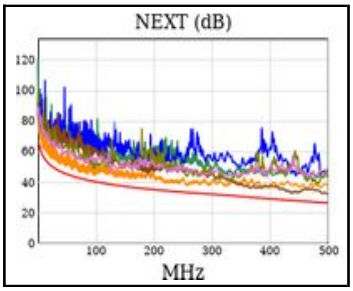
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

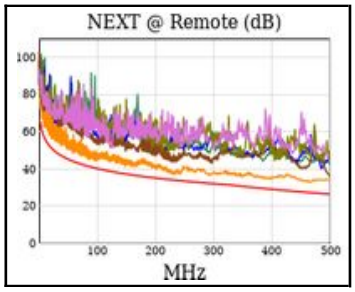


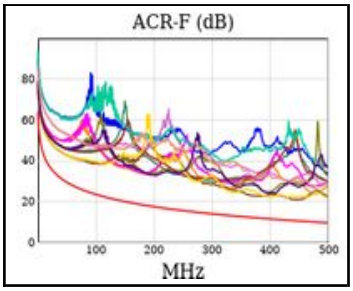
PASS

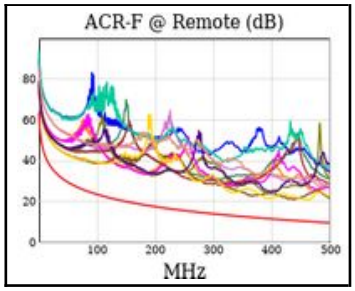


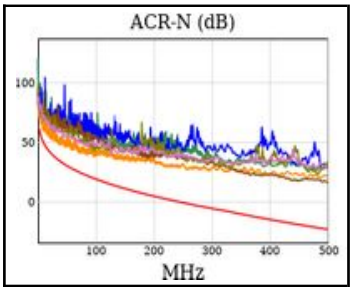


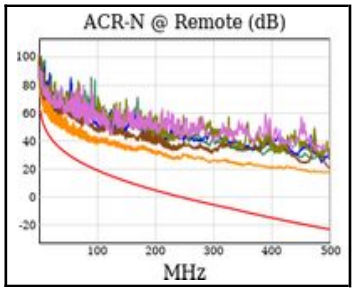


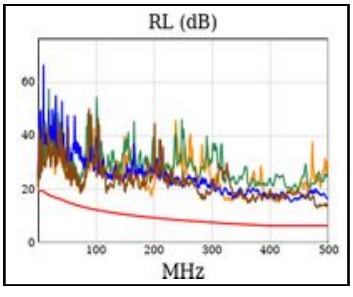


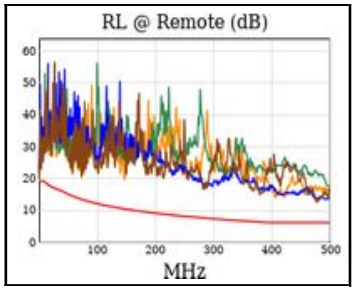












FLUKE networks

LinkWare Live

Cable ID: 123-3-B

Test Summary: PASS

Date / Time: 11/21/2022 04:13:08 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	111
Prop. Delay (ns), Limit 555	[Pair 4,5]	172
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	5.1
Insertion Loss Margin (dB)	[Pair 3,6]	33.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	4.3	3.6	5.6	6.4
Freq. (MHz)	78.5	243.0	493.0	493.0
Limit (dB)	41.7	33.3	26.3	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	4.8	5.7	7.5
Freq. (MHz)	493.0	241.5	493.0	493.0
Limit (dB)	23.4	30.4	23.4	23.4

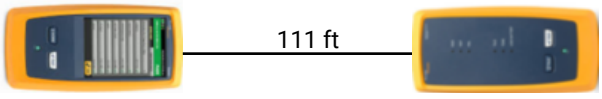
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	9.5	10.3	9.5
Freq. (MHz)	469.0	469.0	469.0	469.0
Limit (dB)	9.8	9.8	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	12.0	12.2
Freq. (MHz)	1.4	1.1	480.0	500.0
Limit (dB)	57.5	59.2	6.6	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	8.8	10.0	38.8	39.6
Freq. (MHz)	3.3	3.5	493.0	493.0
Limit (dB)	60.7	60.1	-22.7	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.2	38.8	40.6
Freq. (MHz)	3.3	3.3	493.0	493.0
Limit (dB)	58.2	58.2	-25.5	-25.5

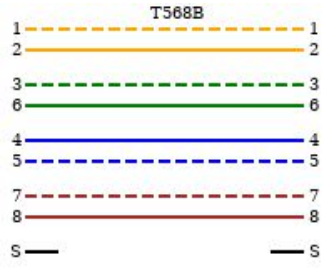
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.5	6.5	5.5	6.5
Freq. (MHz)	467.0	486.0	467.0	486.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

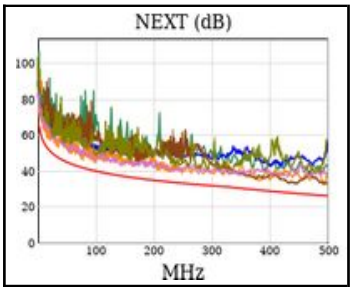
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

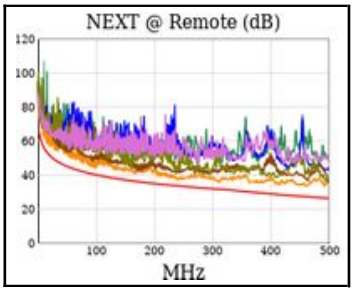


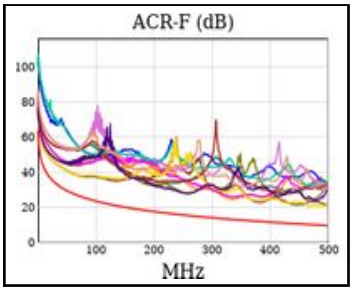
PASS

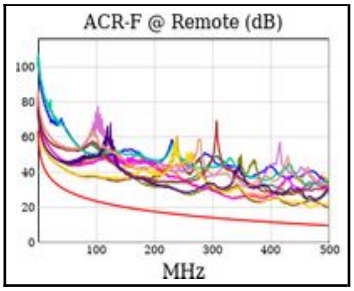


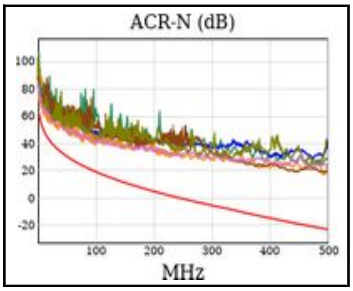


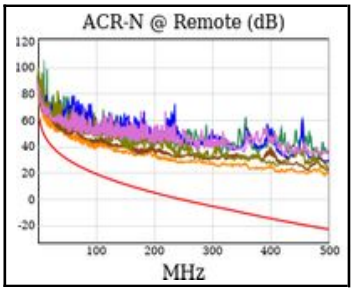


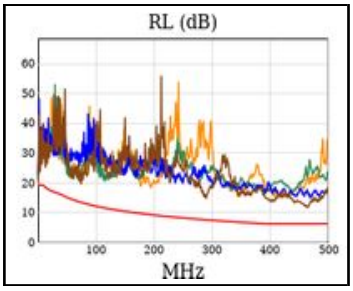


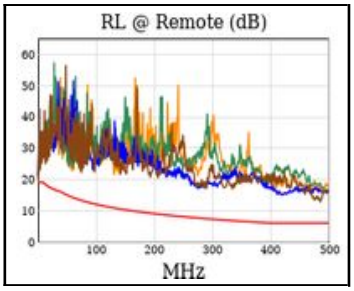












FLUKE networks

LinkWare Live

Cable ID: 122-A

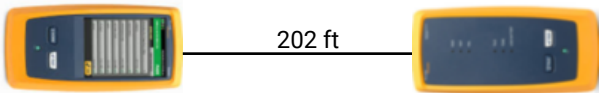
Test Summary: PASS

Date / Time: 11/21/2022 01:49:44 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

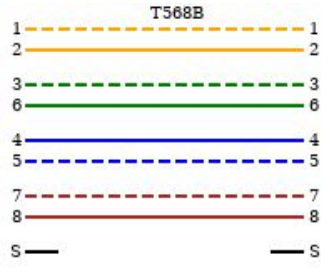
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

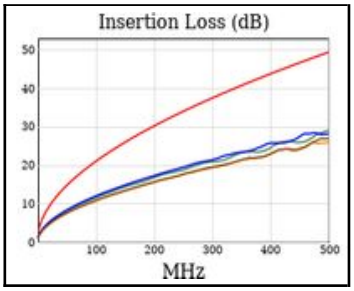
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

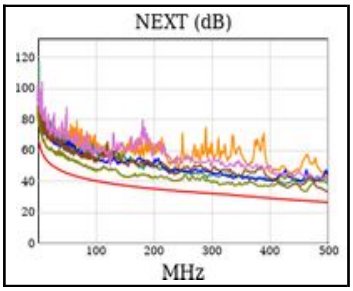
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	312
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

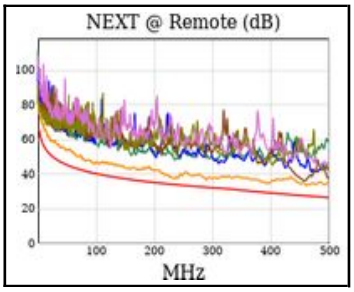


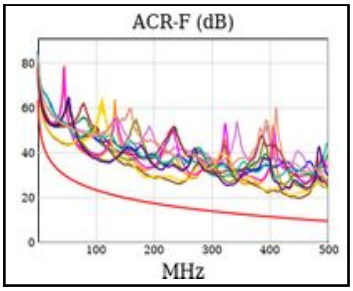
PASS

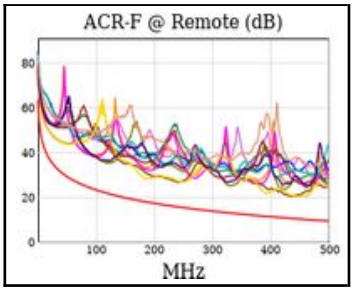


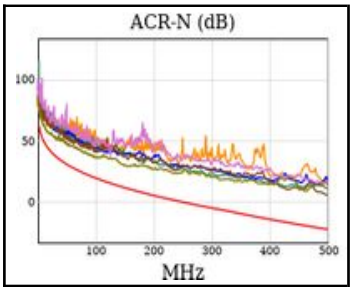


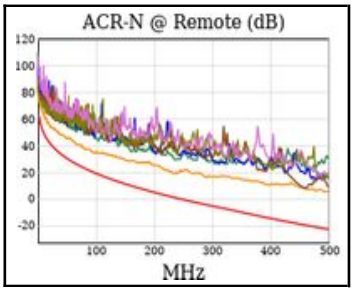


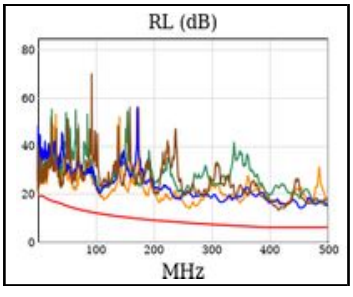


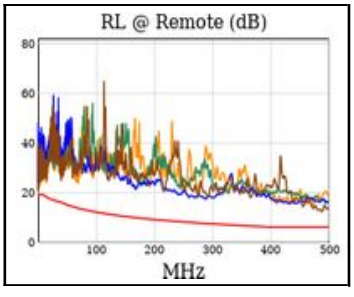












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	3.3	7.1	6.0
Freq. (MHz)	154.0	236.0	500.0	463.0
Limit (dB)	36.7	33.5	26.1	27.0
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	7.5	5.8	8.5	7.1
Freq. (MHz)	156.0	236.0	500.0	462.0
Limit (dB)	33.7	30.6	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.3	9.8	9.3	9.9
Freq. (MHz)	451.0	436.0	451.0	437.0
Limit (dB)	10.2	10.5	10.2	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	11.1	10.3	11.2
Freq. (MHz)	434.0	426.0	434.0	433.0
Limit (dB)	7.5	7.7	7.5	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	10.8	28.2	27.7
Freq. (MHz)	9.5	3.1	500.0	495.0
Limit (dB)	50.6	61.1	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	11.7	29.2	29.2
Freq. (MHz)	4.8	3.3	500.0	500.0
Limit (dB)	54.8	58.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	5.0	5.7	7.1	6.1
Freq. (MHz)	9.0	14.3	416.0	489.0
Limit (dB)	19.0	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-B

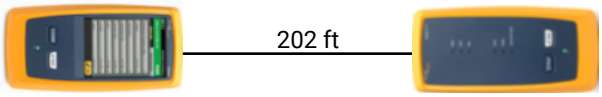
Test Summary: PASS

Date / Time: 11/21/2022 01:50:19 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

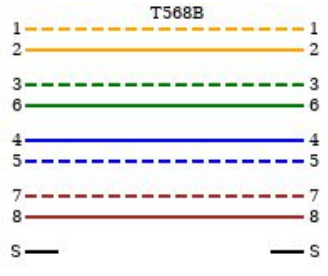
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

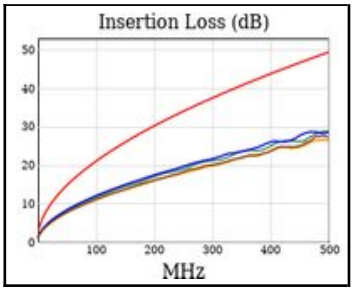
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

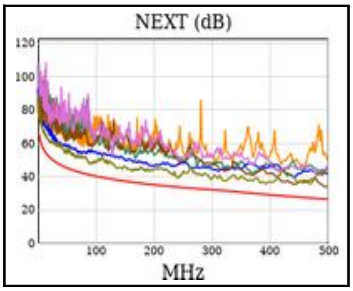
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	311
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	20.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

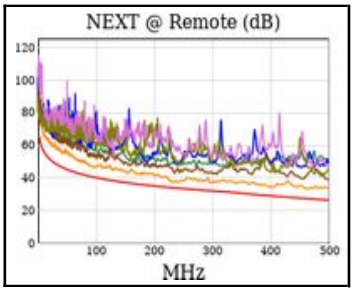


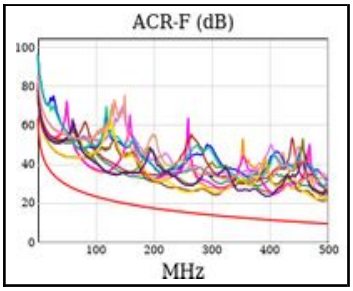
PASS

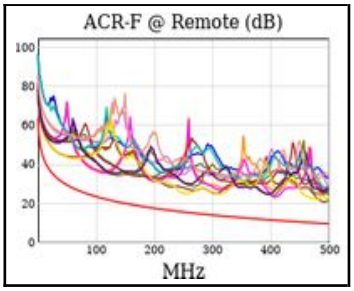


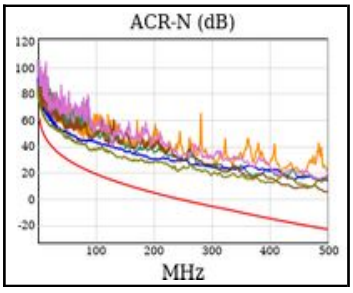


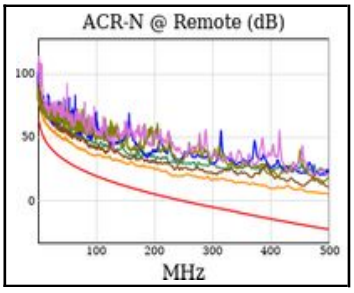


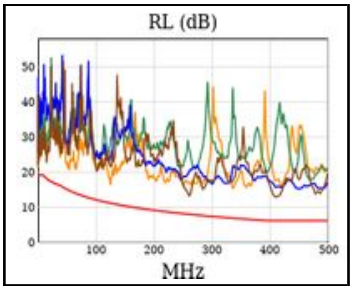


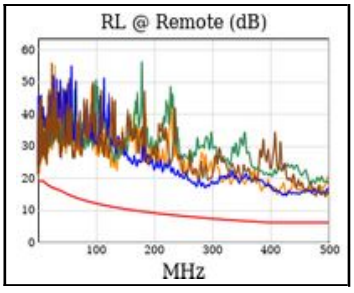












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.4	3.3	7.3	5.9
Freq. (MHz)	240.5	233.0	495.0	465.0
Limit (dB)	33.4	33.6	26.2	27.0
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.6	5.4	9.3	8.8
Freq. (MHz)	241.0	234.0	495.0	499.0
Limit (dB)	30.4	30.7	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.5	11.5	10.9
Freq. (MHz)	254.0	254.0	492.0	492.0
Limit (dB)	15.2	15.2	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.6	11.3	11.6
Freq. (MHz)	500.0	492.0	500.0	492.0
Limit (dB)	6.3	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.9	12.3	28.5	27.7
Freq. (MHz)	3.0	4.6	500.0	499.0
Limit (dB)	61.4	57.6	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	12.1	29.8	29.3
Freq. (MHz)	3.3	4.9	495.0	499.0
Limit (dB)	58.2	54.6	-25.7	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.6	6.0	6.7	8.0
Freq. (MHz)	15.9	15.9	412.0	495.0
Limit (dB)	18.0	18.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-A

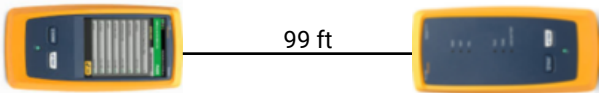
Test Summary: PASS

Date / Time: 12/10/2022 02:29:09 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

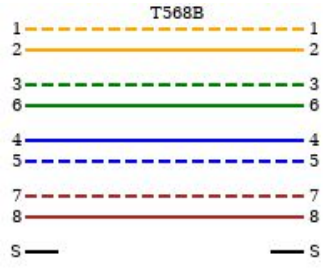
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

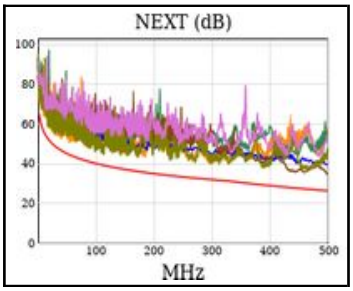
Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	157
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 4,5]	4.6
Insertion Loss Margin (dB)	[Pair 4,5]	33.0
Frequency (MHz)	[Pair 4,5]	467.0
Limit (dB)	[Pair 4,5]	47.5

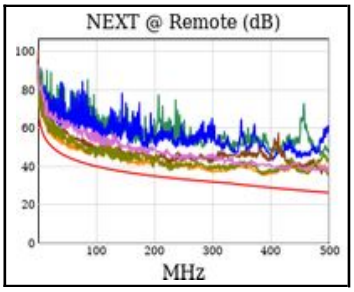


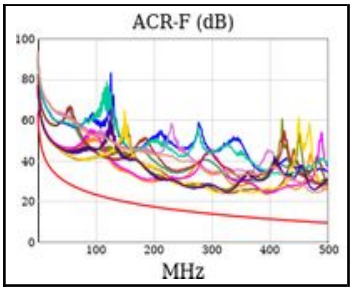
PASS

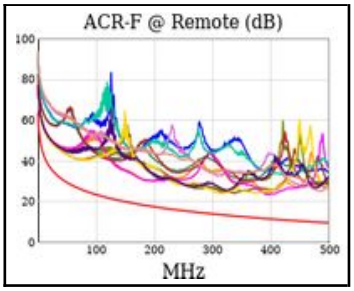


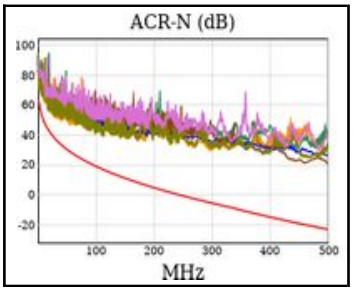


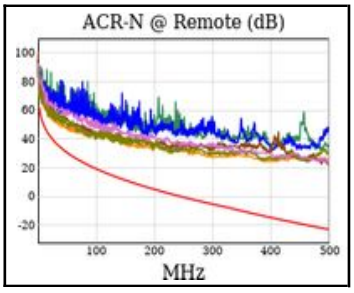


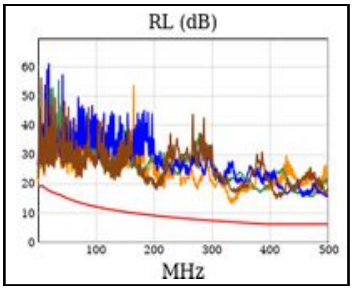


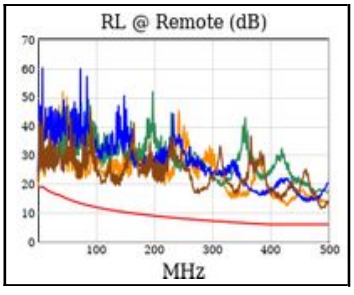












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.4	3.7	8.2	5.9
Freq. (MHz)	114.5	228.5	499.0	387.0
Limit (dB)	38.9	33.8	26.1	29.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	3.9	9.0	5.8
Freq. (MHz)	29.8	228.5	458.0	387.0
Limit (dB)	46.1	30.8	24.2	26.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.7	10.3	12.0	11.8
Freq. (MHz)	320.0	314.0	394.0	398.0
Limit (dB)	13.2	13.3	11.3	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	12.5	12.5
Freq. (MHz)	328.0	337.0	393.0	395.0
Limit (dB)	9.9	9.7	8.4	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.5	8.8	43.8	44.9
Freq. (MHz)	3.6	3.8	499.0	499.0
Limit (dB)	59.8	59.5	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	7.6	45.4	45.3
Freq. (MHz)	3.6	3.5	499.0	499.0
Limit (dB)	57.3	57.6	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.2	5.5	6.2	5.5
Freq. (MHz)	337.0	488.0	337.0	488.0
Limit (dB)	6.7	6.0	6.7	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-B

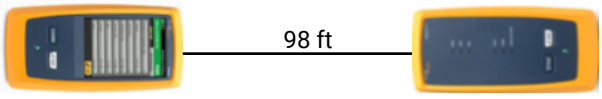
Test Summary: PASS

Date / Time: 12/10/2022 02:30:02 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

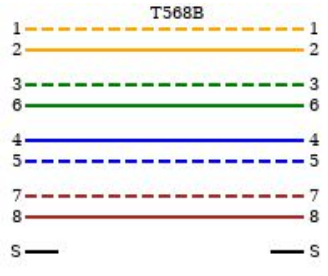
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

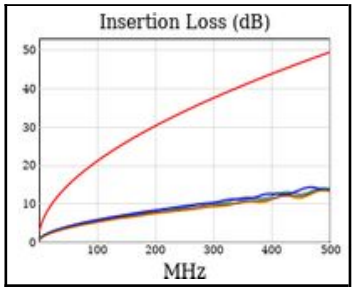
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

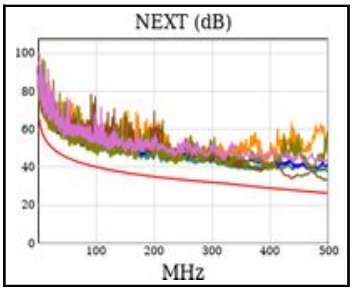
Length (ft), Limit 328	[Pair 1,2]	98
Prop. Delay (ns), Limit 555	[Pair 4,5]	156
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	4.5
Insertion Loss Margin (dB)	[Pair 4,5]	33.5
Frequency (MHz)	[Pair 4,5]	472.0
Limit (dB)	[Pair 4,5]	47.8

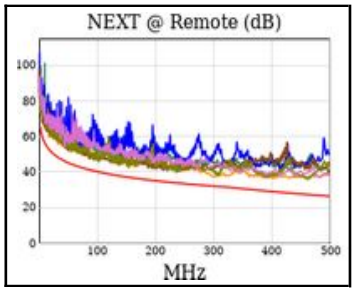


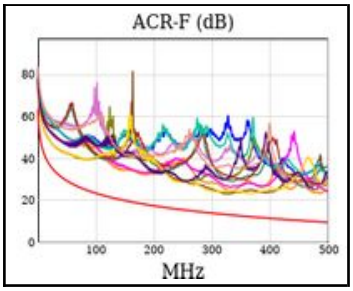
PASS

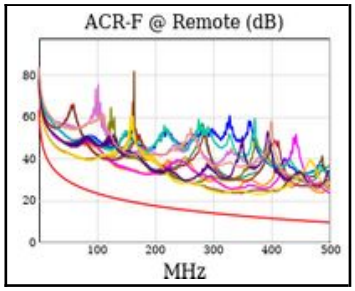


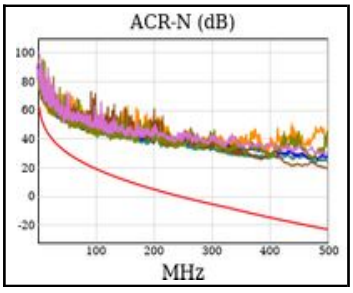


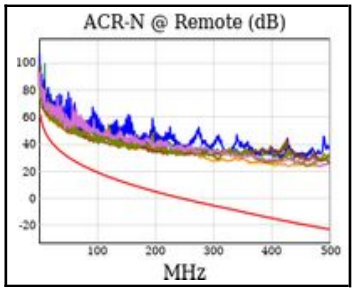


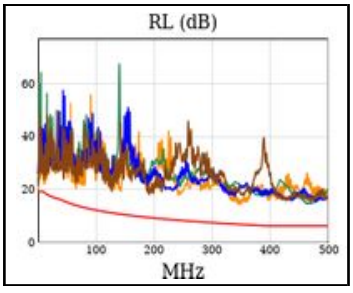


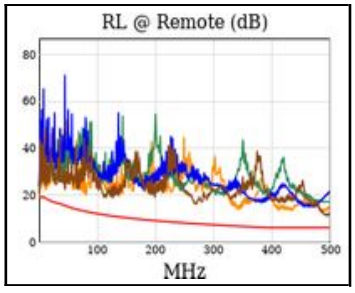












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.0	5.2	6.7	8.2
Freq. (MHz)	439.0	302.0	497.0	463.0
Limit (dB)	27.6	31.7	26.2	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	7.5	5.1	8.3	8.4
Freq. (MHz)	439.0	307.0	500.0	463.0
Limit (dB)	24.7	28.6	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.8	9.9	13.3	11.0
Freq. (MHz)	326.0	319.0	488.0	375.0
Limit (dB)	13.0	13.2	9.5	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	13.9	10.8
Freq. (MHz)	330.0	335.0	488.0	335.0
Limit (dB)	9.9	9.8	6.5	9.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.0	11.2	42.3	44.9
Freq. (MHz)	3.3	3.3	497.0	484.0
Limit (dB)	60.7	60.7	-23.0	-22.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.6	10.4	43.9	42.9
Freq. (MHz)	3.4	3.3	500.0	463.0
Limit (dB)	57.9	58.2	-26.1	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.5	4.8	7.2	4.8
Freq. (MHz)	66.5	497.0	351.0	497.0
Limit (dB)	13.8	6.0	6.5	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-A

Test Summary: PASS

Date / Time: 11/22/2022 01:27:37 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	170
Prop. Delay (ns), Limit 555	[Pair 3,6]	263
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	25.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.2	4.6	7.3	7.6
Freq. (MHz)	315.0	206.0	500.0	461.0
Limit (dB)	31.4	34.6	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.3	5.0	8.5	7.8
Freq. (MHz)	3.9	162.5	500.0	461.0
Limit (dB)	60.8	33.4	23.2	24.2

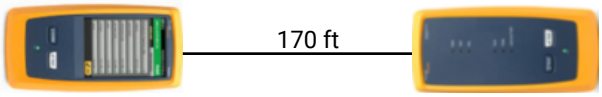
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.1	10.3	10.9
Freq. (MHz)	468.0	257.0	470.0	499.0
Limit (dB)	9.9	15.1	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	12.2	11.7
Freq. (MHz)	257.0	2.5	494.0	499.0
Limit (dB)	12.1	52.3	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.6	8.5	32.8	34.0
Freq. (MHz)	3.8	3.8	500.0	461.0
Limit (dB)	59.5	59.5	-23.2	-20.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.6	8.6	34.0	32.9
Freq. (MHz)	3.9	3.9	500.0	461.0
Limit (dB)	56.7	56.7	-26.1	-23.0

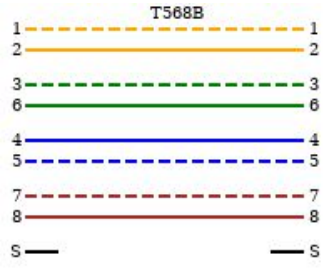
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.3	5.8	6.9	5.8
Freq. (MHz)	90.0	492.0	480.0	492.0
Limit (dB)	12.5	6.0	6.0	6.0

Compliant Network Standards:

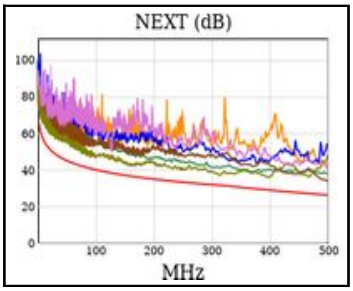
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

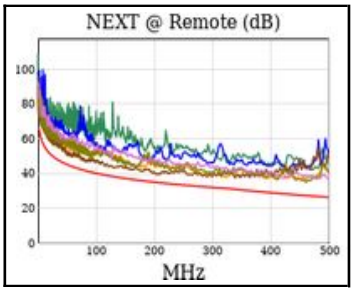


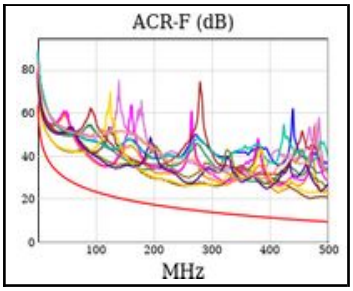
PASS

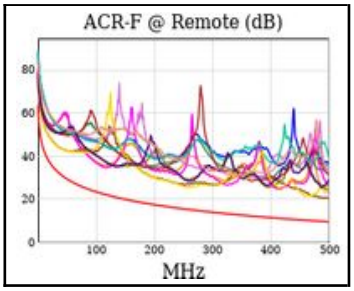


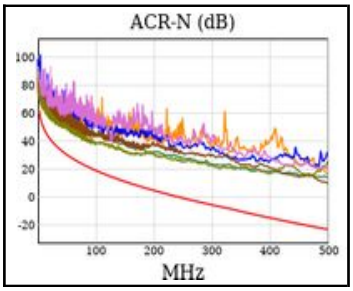


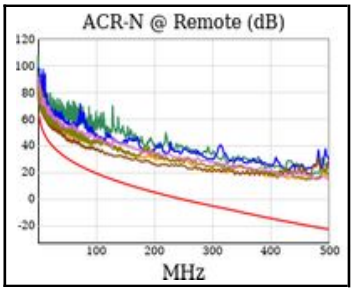


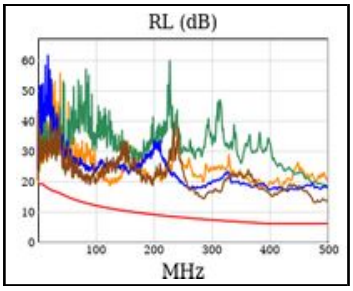


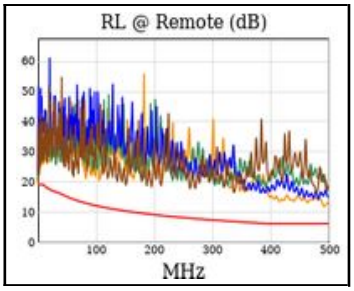












FLUKE networks

LinkWare Live

Cable ID: 122-B

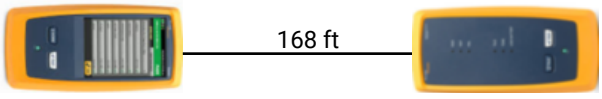
Test Summary: PASS

Date / Time: 11/22/2022 01:28:40 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

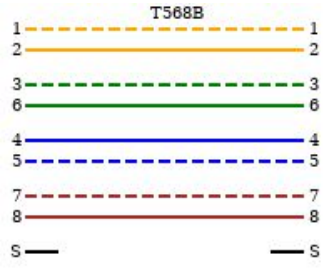
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

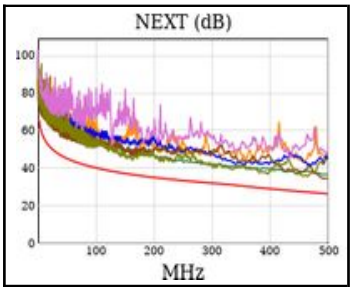
Length (ft), Limit 328	[Pair 1,2]	168
Prop. Delay (ns), Limit 555	[Pair 3,6]	261
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	25.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

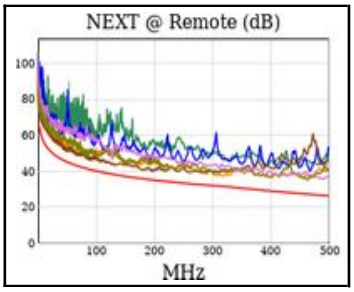


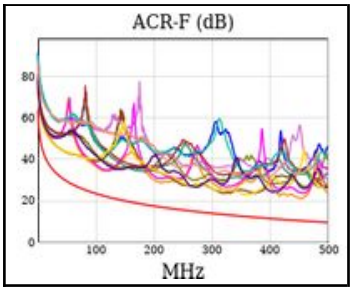
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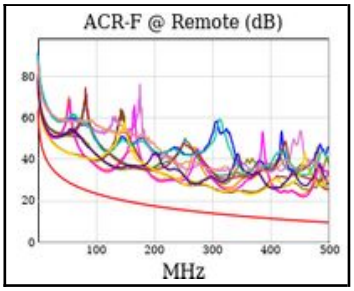


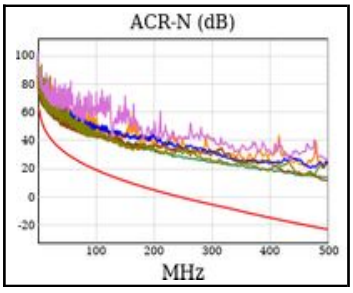


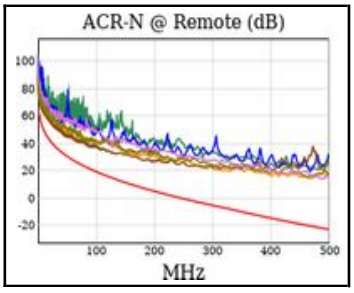


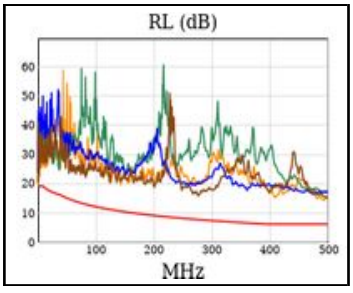


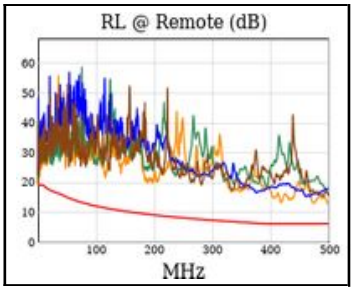












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.1	4.7	8.0	7.9
Freq. (MHz)	3.8	195.5	500.0	464.0
Limit (dB)	63.5	35.0	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.0	4.9	8.8	8.6
Freq. (MHz)	3.9	303.0	500.0	466.0
Limit (dB)	60.8	28.7	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.2	10.7	10.8	11.5
Freq. (MHz)	319.0	363.0	456.0	456.0
Limit (dB)	13.2	12.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.5	11.5	12.9
Freq. (MHz)	322.0	323.0	417.0	456.0
Limit (dB)	10.1	10.1	7.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	9.4	8.8	34.4	36.4
Freq. (MHz)	3.8	3.8	500.0	492.0
Limit (dB)	59.5	59.5	-23.2	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.3	8.8	35.2	34.1
Freq. (MHz)	3.9	3.8	500.0	466.0
Limit (dB)	56.7	57.0	-26.1	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	7.0	6.8	8.0	6.8
Freq. (MHz)	12.9	500.0	494.0	500.0
Limit (dB)	18.5	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-A

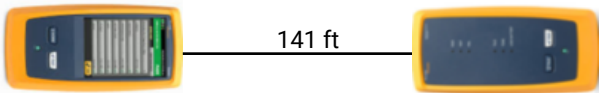
Test Summary: PASS

Date / Time: 11/19/2022 05:38:57 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

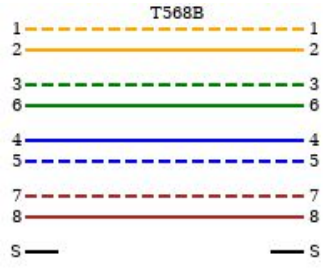
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

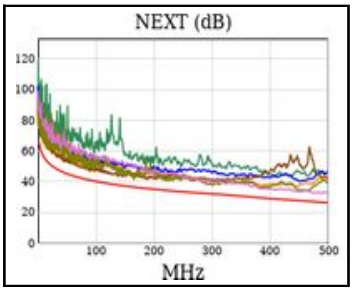
Length (ft), Limit 328	[Pair 1,2]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.6
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

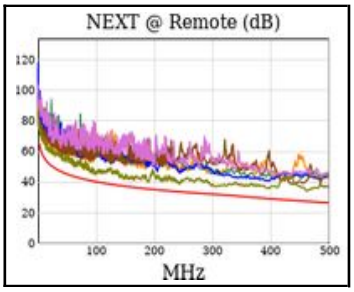


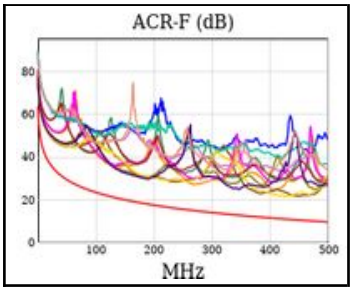
PASS

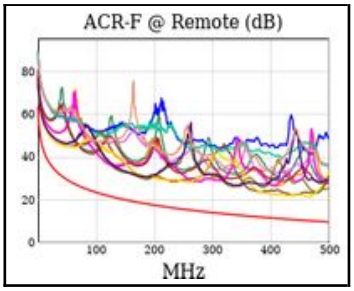


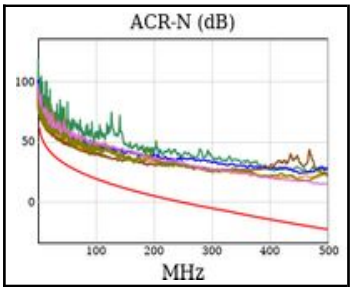


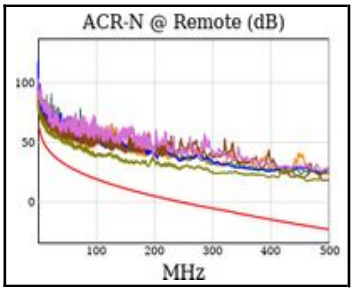


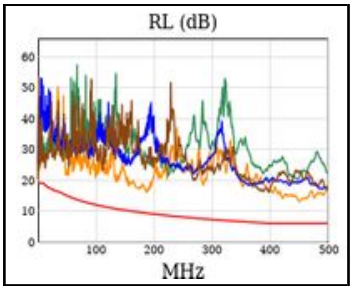


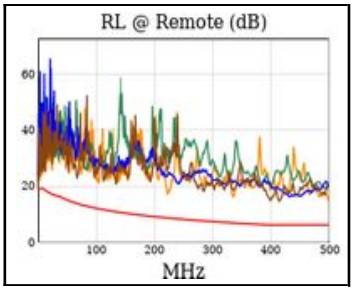












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-7,8
NEXT (dB)	5.1	4.5	5.6	6.6
Freq. (MHz)	166.5	166.0	477.0	464.0
Limit (dB)	36.1	36.2	26.7	27.0
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.1	6.6	5.8	8.5
Freq. (MHz)	166.0	90.5	454.0	464.0
Limit (dB)	33.3	37.8	24.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.8	10.3	10.9
Freq. (MHz)	427.0	428.0	427.0	468.0
Limit (dB)	10.6	10.6	10.6	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	11.4	13.1
Freq. (MHz)	407.0	185.5	414.0	481.0
Limit (dB)	8.1	14.9	7.9	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	4,5-7,8	3,6-7,8
ACR-N (dB)	10.0	11.4	36.7	37.3
Freq. (MHz)	4.4	5.0	487.0	464.0
Limit (dB)	58.1	56.9	-22.2	-20.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.1	9.8	38.2	39.5
Freq. (MHz)	4.6	5.0	490.0	482.0
Limit (dB)	55.1	54.3	-25.3	-24.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.6	8.3	7.0	8.3
Freq. (MHz)	188.0	500.0	452.0	500.0
Limit (dB)	9.3	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 122-B

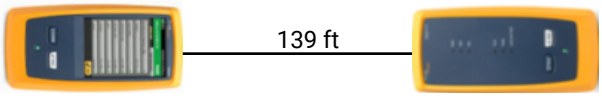
Test Summary: PASS

Date / Time: 11/19/2022 05:39:15 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

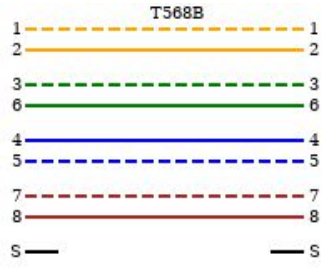
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

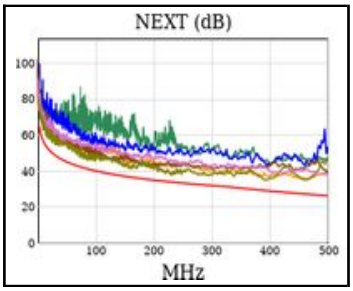
Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	221
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

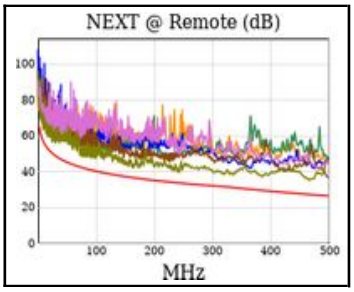


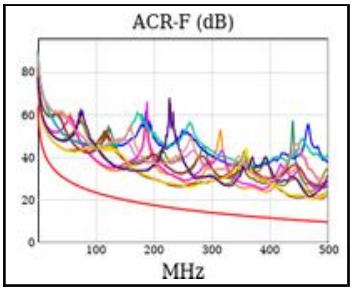
PASS

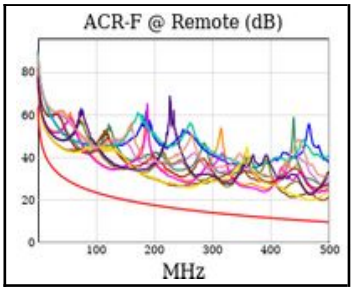


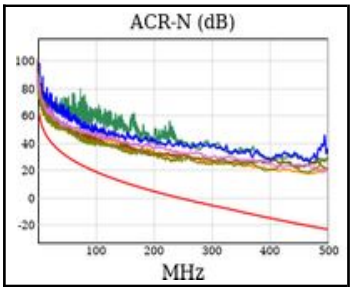


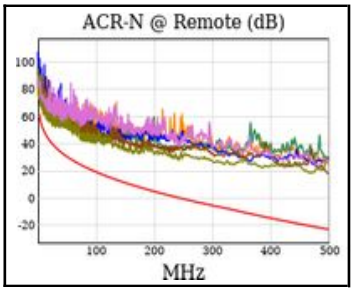


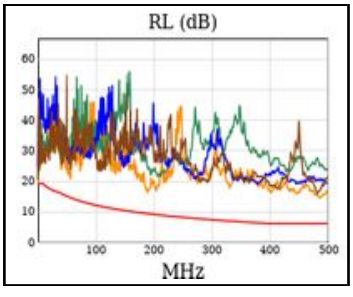


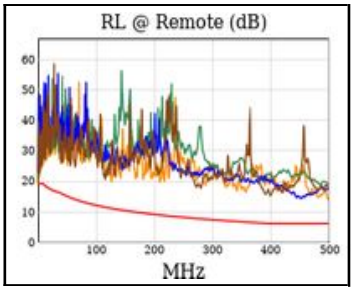












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.6	5.3	7.7	7.7
Freq. (MHz)	230.5	164.5	462.0	467.0
Limit (dB)	33.7	36.2	27.0	26.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	4.7	7.5	7.6	10.0
Freq. (MHz)	231.0	165.0	462.0	472.0
Limit (dB)	30.8	33.3	24.1	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	9.7	10.7	10.2
Freq. (MHz)	446.0	468.0	486.0	493.0
Limit (dB)	10.3	9.9	9.5	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	11.0	10.0	11.1
Freq. (MHz)	477.0	481.0	477.0	486.0
Limit (dB)	6.7	6.6	6.7	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	10.5	38.0	40.9
Freq. (MHz)	9.8	5.0	469.0	500.0
Limit (dB)	50.4	56.9	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.7	37.5	41.7
Freq. (MHz)	4.6	4.9	469.0	500.0
Limit (dB)	55.1	54.6	-23.6	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.0	7.5	8.2	7.5
Freq. (MHz)	56.8	500.0	487.0	500.0
Limit (dB)	14.5	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-A

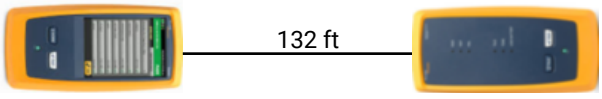
Test Summary: PASS

Date / Time: 11/19/2022 03:56:35 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF E126

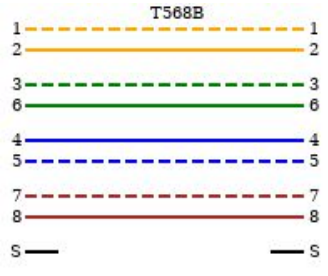
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

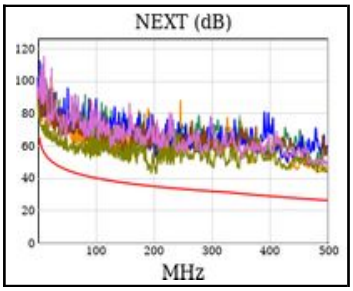
Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

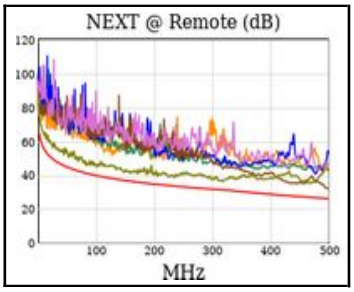


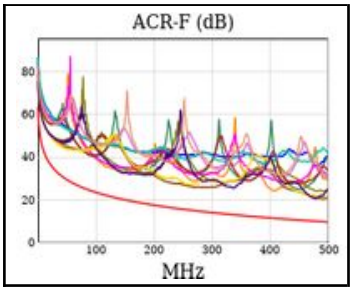
PASS

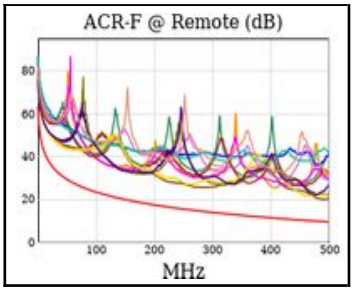


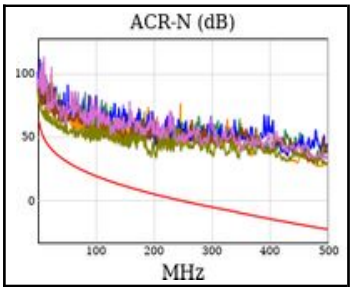


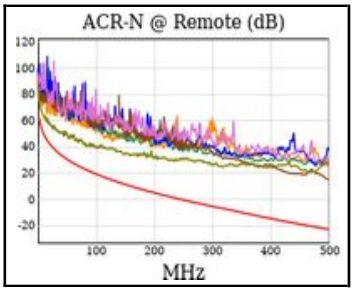


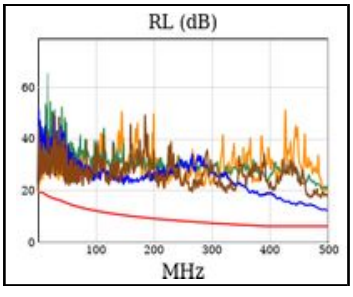


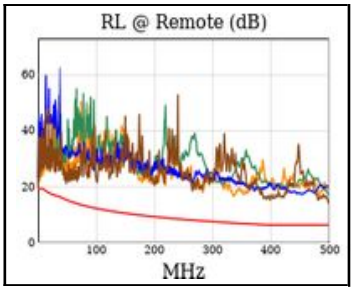












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	7.7	4.6	15.5	5.9
Freq. (MHz)	196.5	83.5	496.0	500.0
Limit (dB)	34.9	41.3	26.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	10.4	7.3	16.5	8.2
Freq. (MHz)	196.5	319.0	496.0	500.0
Limit (dB)	32.0	28.3	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.2	10.7	10.2
Freq. (MHz)	480.0	492.0	492.0	492.0
Limit (dB)	9.6	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.0	11.5	11.0
Freq. (MHz)	483.0	492.0	492.0	492.0
Limit (dB)	6.6	6.4	6.4	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	14.6	12.3	48.5	38.1
Freq. (MHz)	3.3	5.4	490.0	500.0
Limit (dB)	60.7	56.2	-22.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	15.2	13.4	48.2	40.1
Freq. (MHz)	4.8	5.4	496.0	500.0
Limit (dB)	54.8	53.7	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	7,8
RL (dB)	6.2	5.7	6.2	7.7
Freq. (MHz)	499.0	49.5	499.0	500.0
Limit (dB)	6.0	15.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-B

Test Summary: PASS

Date / Time: 11/19/2022 03:56:55 PM
Headroom: 5.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF E126

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	209
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	31.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	10.6	5.8	16.9	6.8
Freq. (MHz)	163.0	184.0	488.0	498.0
Limit (dB)	36.3	35.4	26.4	26.1
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	12.7	7.7	17.0	8.0
Freq. (MHz)	130.5	157.5	479.0	499.0
Limit (dB)	35.1	33.7	23.7	23.3

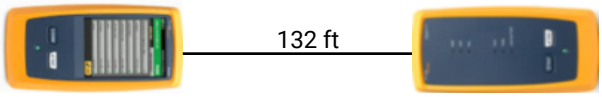
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.3	10.7	10.5
Freq. (MHz)	409.0	395.0	409.0	409.0
Limit (dB)	11.0	11.3	11.0	11.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	11.0	10.7	12.3
Freq. (MHz)	400.0	1.1	409.0	409.0
Limit (dB)	8.2	59.2	8.0	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	15.6	14.5	49.8	38.9
Freq. (MHz)	3.0	4.0	488.0	498.0
Limit (dB)	61.4	58.9	-22.3	-23.1
Worst Pair	7,8	3,6	3,6	4,5
PS ACR-N (dB)	16.1	14.5	49.6	40.2
Freq. (MHz)	3.4	4.6	499.0	499.0
Limit (dB)	57.9	55.1	-26.0	-26.0

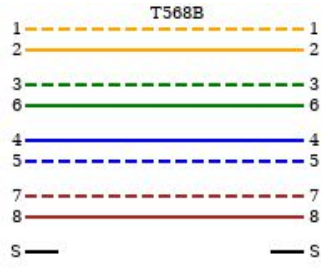
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	7,8
RL (dB)	5.4	4.8	5.8	7.5
Freq. (MHz)	49.3	31.3	499.0	403.0
Limit (dB)	15.1	16.5	6.0	6.0

Compliant Network Standards:

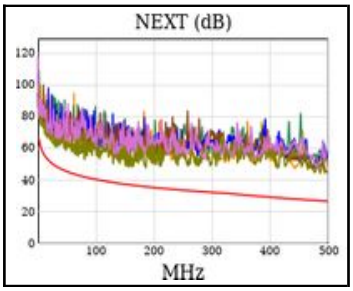
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

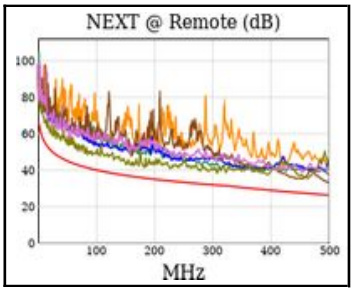


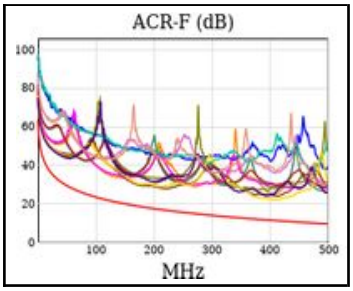
PASS

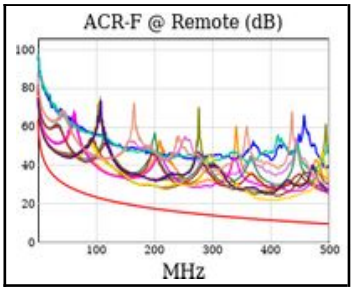


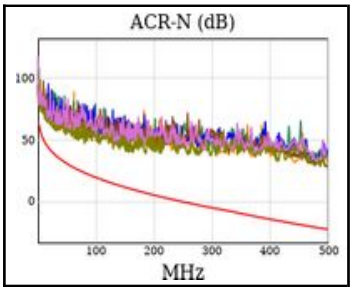


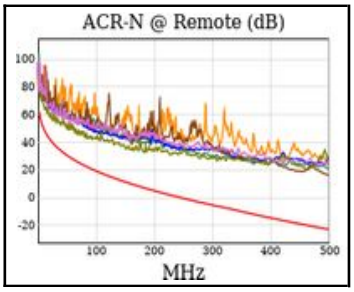


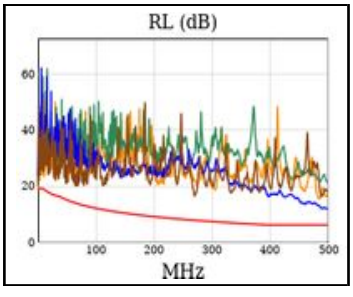


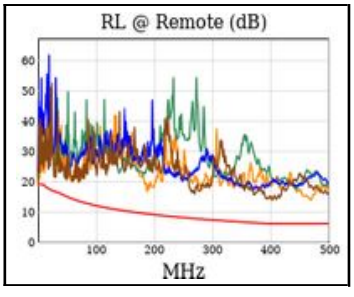












FLUKE networks

LinkWare Live

Cable ID: 123-A

Test Summary: PASS

Date / Time: 12/19/2022 02:22:20 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	90
Prop. Delay (ns), Limit 555	[Pair 4,5]	140
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.6	5.2	5.0	7.0
Freq. (MHz)	53.0	3.6	302.0	493.0
Limit (dB)	44.6	63.7	31.7	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.9	6.7	4.8	7.2
Freq. (MHz)	40.8	229.5	302.0	489.0
Limit (dB)	43.8	30.8	28.7	23.5

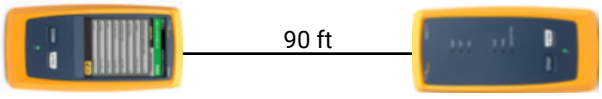
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.0	11.4	11.1
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	51.2	51.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.4	12.2	12.9
Freq. (MHz)	1.0	4.0	500.0	496.0
Limit (dB)	60.3	48.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.9	8.2	45.9	43.9
Freq. (MHz)	3.4	3.6	491.0	493.0
Limit (dB)	60.4	59.8	-22.5	-22.7
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	8.1	9.7	47.5	43.4
Freq. (MHz)	3.4	3.6	491.0	489.0
Limit (dB)	57.9	57.3	-25.4	-25.2

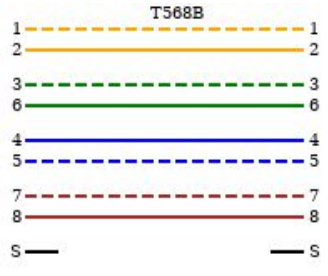
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.7	4.3	6.7	4.7
Freq. (MHz)	493.0	283.0	493.0	484.0
Limit (dB)	6.0	7.5	6.0	6.0

Compliant Network Standards:

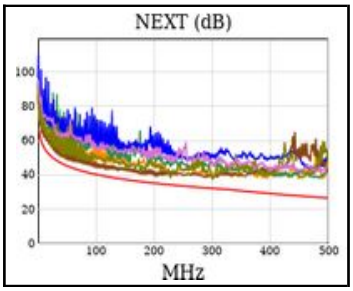
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

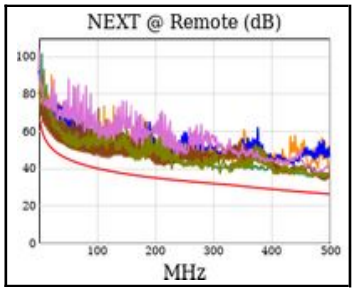


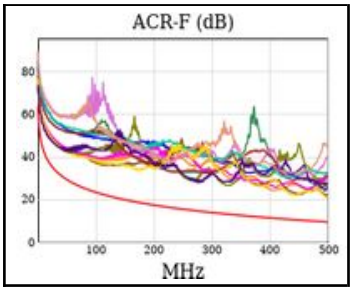
PASS

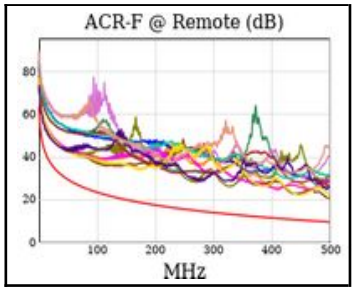


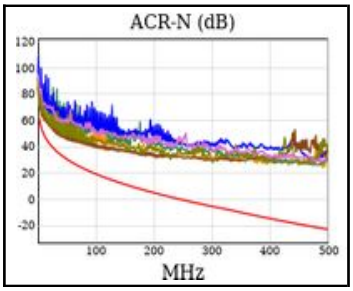


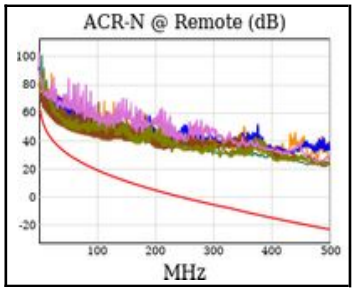


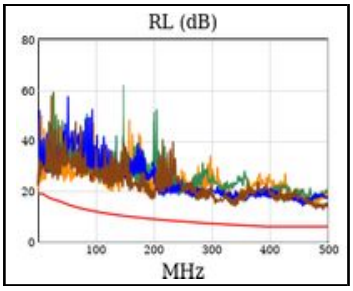


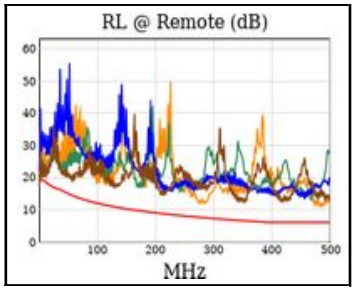












FLUKE networks

LinkWare Live

Cable ID: 123-B

Test Summary: PASS

Date / Time: 12/19/2022 02:24:39 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	90
Prop. Delay (ns), Limit 555	[Pair 4,5]	140
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	12.6
Insertion Loss Margin (dB)	[Pair 7,8]	35.2
Frequency (MHz)	[Pair 7,8]	491.0
Limit (dB)	[Pair 7,8]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.1	4.3	9.7	6.1
Freq. (MHz)	109.5	209.0	463.0	488.0
Limit (dB)	39.3	34.5	27.0	26.4
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	4.5	4.6	5.2	6.7
Freq. (MHz)	173.0	179.0	301.0	492.0
Limit (dB)	32.9	32.7	28.7	23.4

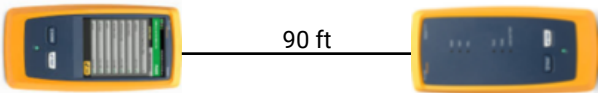
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.2	11.3	11.6	11.4
Freq. (MHz)	5.0	495.0	500.0	500.0
Limit (dB)	49.3	9.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	12.2	12.0
Freq. (MHz)	1.0	1.0	499.0	491.0
Limit (dB)	60.3	60.3	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.6	8.0	44.5	41.8
Freq. (MHz)	3.6	3.8	464.0	483.0
Limit (dB)	59.8	59.5	-20.4	-21.9
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	8.2	8.6	48.3	42.3
Freq. (MHz)	3.5	3.8	498.0	483.0
Limit (dB)	57.6	57.0	-25.9	-24.8

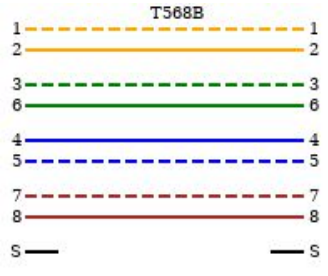
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.8	4.2	7.8	4.5
Freq. (MHz)	491.0	54.3	491.0	483.0
Limit (dB)	6.0	14.7	6.0	6.0

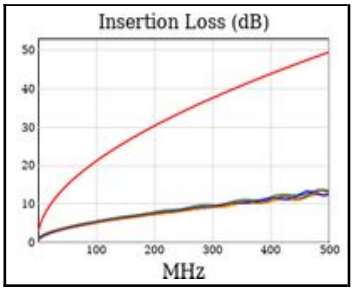
Compliant Network Standards:

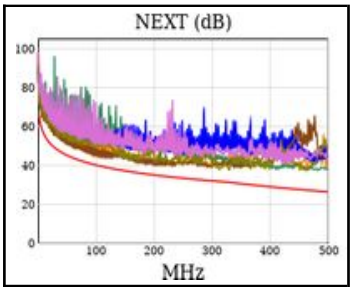
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

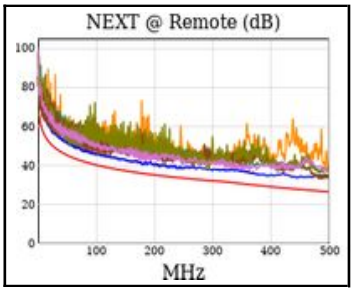


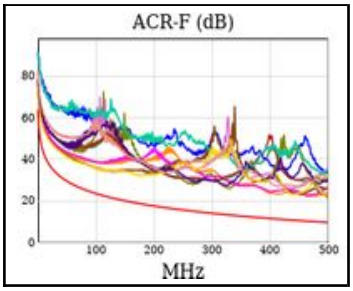
PASS

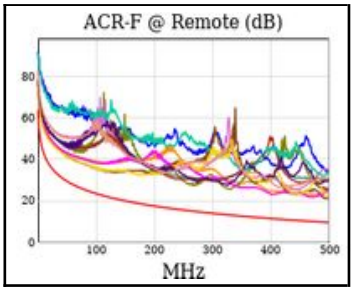


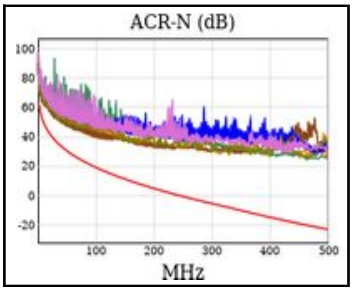


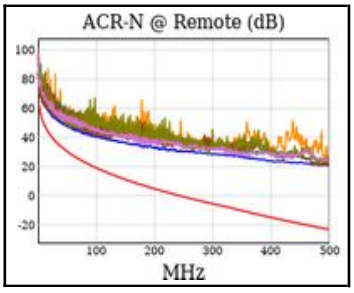


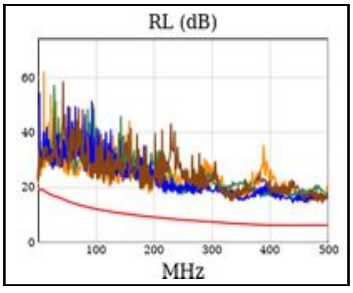


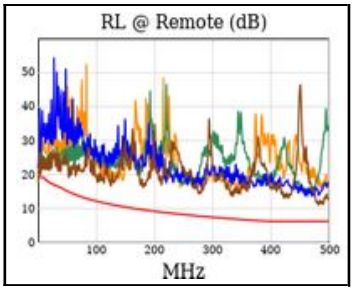












FLUKE networks

LinkWare Live

Cable ID: 123-A

Test Summary: PASS

Date / Time: 11/25/2022 06:27:01 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	164
Prop. Delay (ns), Limit 555	[Pair 4,5]	255
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.8
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	4.6	5.5	5.5
Freq. (MHz)	159.0	51.3	470.0	497.0
Limit (dB)	36.5	44.8	26.8	26.2
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	6.0	4.9	7.8	5.8
Freq. (MHz)	159.0	228.0	470.0	497.0
Limit (dB)	33.6	30.9	23.9	23.3

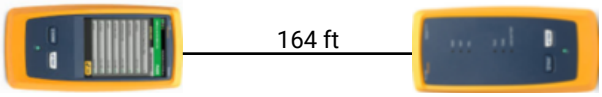
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.2	9.9	11.1	12.1
Freq. (MHz)	320.0	320.0	478.0	477.0
Limit (dB)	13.2	13.2	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.1	12.1	13.7
Freq. (MHz)	320.0	322.0	478.0	474.0
Limit (dB)	10.2	10.1	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	9.5	31.8	33.3
Freq. (MHz)	8.5	6.3	470.0	498.0
Limit (dB)	51.8	54.8	-20.8	-23.1
Worst Pair	3,6	1,2	3,6	4,5
PS ACR-N (dB)	11.1	10.5	35.4	33.5
Freq. (MHz)	4.1	6.4	490.0	498.0
Limit (dB)	56.1	52.0	-25.3	-25.9

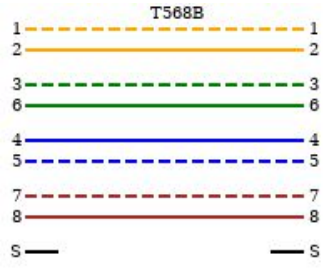
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	7.5	5.2	7.5	9.1
Freq. (MHz)	497.0	113.0	497.0	423.0
Limit (dB)	6.0	11.5	6.0	6.0

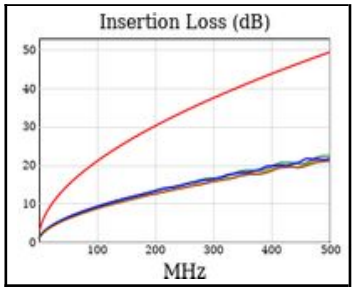
Compliant Network Standards:

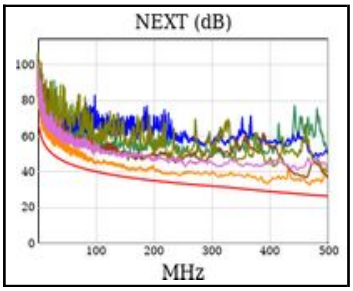
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

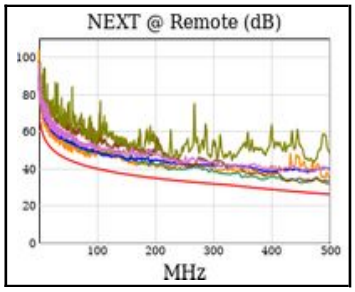


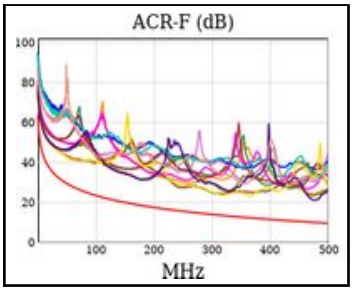
PASS

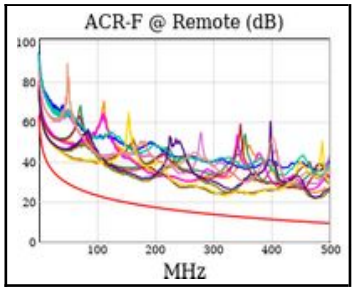


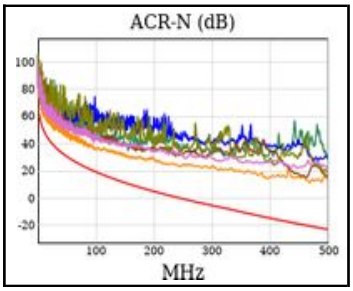


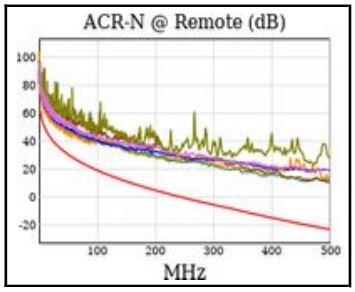


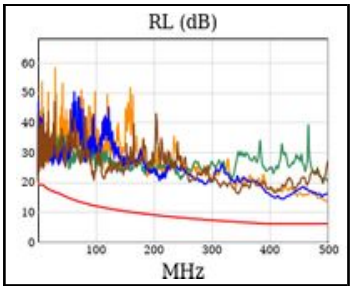


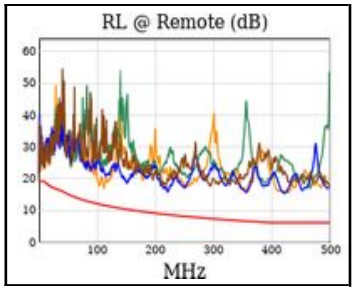












FLUKE networks

LinkWare Live

Cable ID: 123-B

Test Summary: PASS

Date / Time: 11/25/2022 06:26:07 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	166
Prop. Delay (ns), Limit 555	[Pair 3,6]	256
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	2.8	6.1	4.2
Freq. (MHz)	229.5	168.0	464.0	492.0
Limit (dB)	33.8	36.1	27.0	26.3
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.2	4.7	7.8	6.4
Freq. (MHz)	229.5	168.0	464.0	492.0
Limit (dB)	30.8	33.2	24.1	23.4

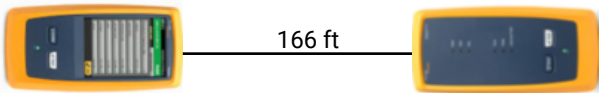
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.6	10.8	10.6	10.8
Freq. (MHz)	498.0	500.0	498.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.3	12.7	13.2
Freq. (MHz)	6.8	2.5	498.0	500.0
Limit (dB)	43.7	52.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	7.5	31.8	29.9
Freq. (MHz)	4.1	4.1	477.0	492.0
Limit (dB)	58.6	58.6	-21.4	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	9.2	35.8	31.6
Freq. (MHz)	4.1	4.0	500.0	492.0
Limit (dB)	56.1	56.4	-26.1	-25.5

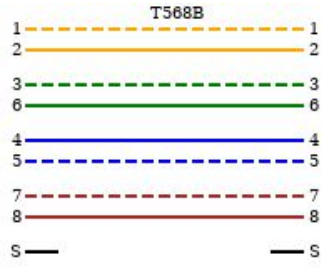
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	6.6	5.9	7.5	6.8
Freq. (MHz)	109.5	10.6	488.0	471.0
Limit (dB)	11.6	18.9	6.0	6.0

Compliant Network Standards:

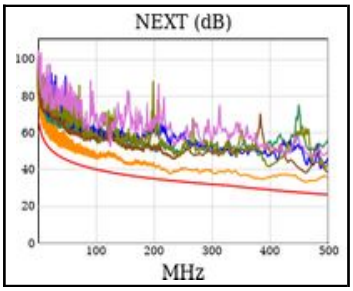
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

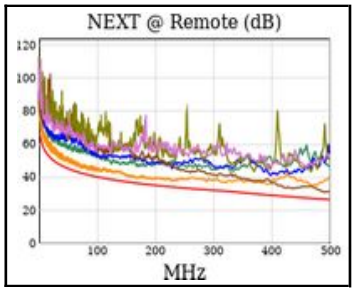


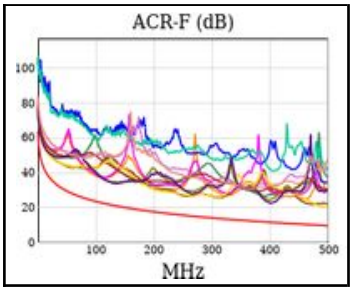
PASS

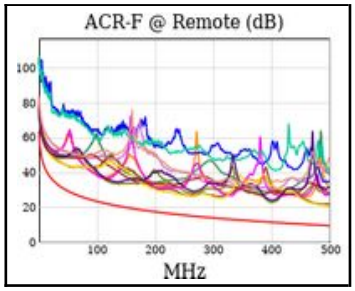


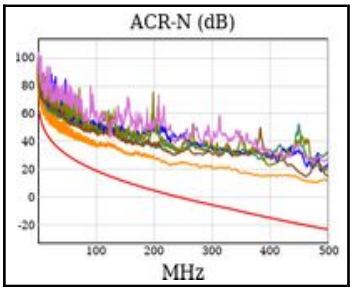


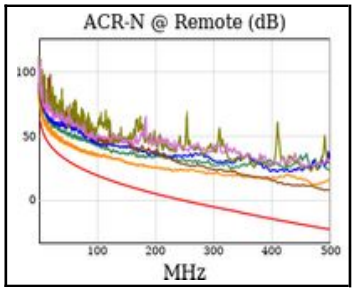


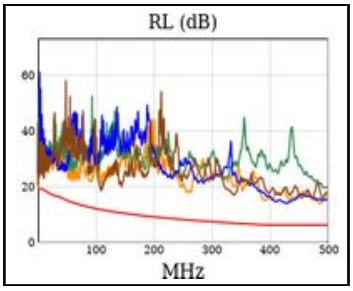


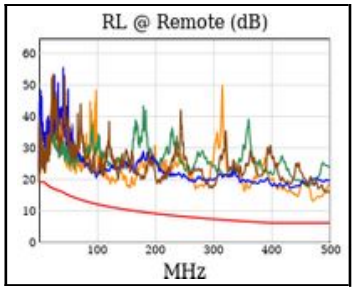












FLUKE networks

LinkWare Live

Cable ID: 124-A

Test Summary: PASS

Date / Time: 11/25/2022 06:16:49 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	221
Prop. Delay (ns), Limit 555	[Pair 3,6]	342
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	18.2
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	5.4	6.9	5.6
Freq. (MHz)	231.5	231.5	465.0	500.0
Limit (dB)	33.7	33.7	27.0	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.7	6.9	9.2	7.3
Freq. (MHz)	231.5	250.0	495.0	500.0
Limit (dB)	30.7	30.2	23.3	23.2

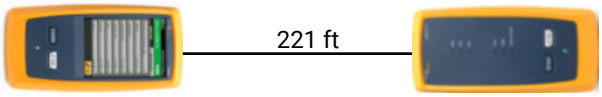
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.4	10.5	11.6	11.7
Freq. (MHz)	248.0	248.0	494.0	493.0
Limit (dB)	15.4	15.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.7	13.0	12.6
Freq. (MHz)	8.1	5.0	494.0	497.0
Limit (dB)	42.1	46.3	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	8.0	26.5	24.5
Freq. (MHz)	3.1	3.1	484.0	500.0
Limit (dB)	61.1	61.1	-22.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	9.3	27.8	26.4
Freq. (MHz)	3.0	3.1	495.0	500.0
Limit (dB)	58.4	58.3	-25.7	-26.1

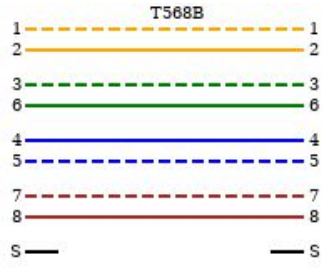
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.8	5.9	8.5	7.9
Freq. (MHz)	9.9	8.4	451.0	480.0
Limit (dB)	19.0	19.0	6.0	6.0

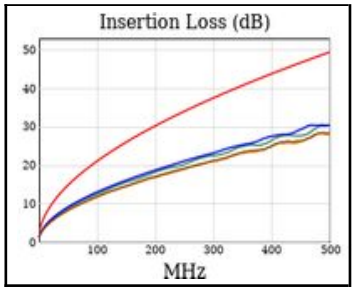
Compliant Network Standards:

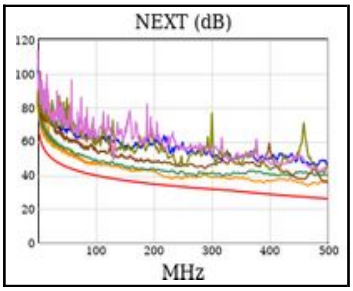
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

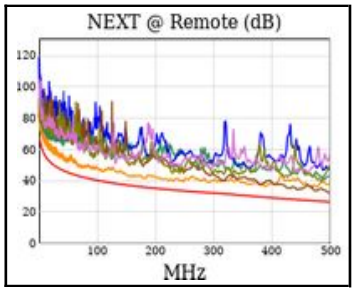


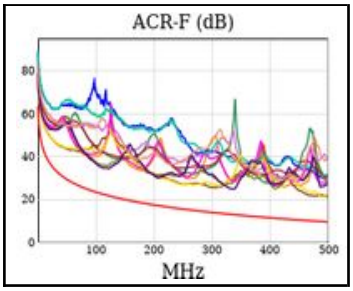
PASS

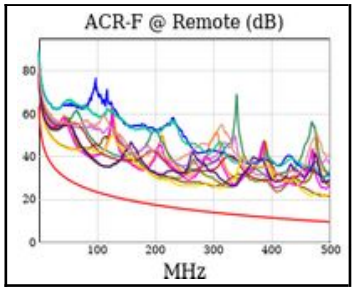


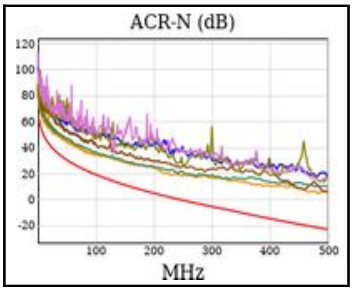


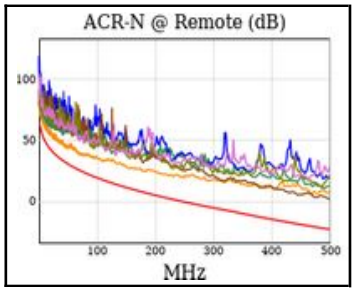


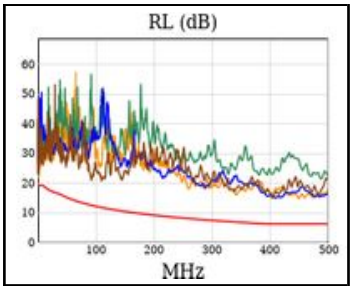


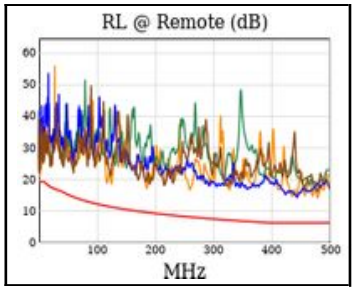












FLUKE networks

LinkWare Live

Cable ID: 123-A

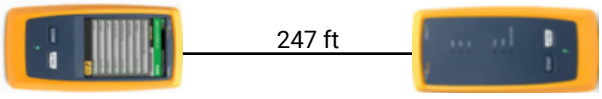
Test Summary: PASS

Date / Time: 12/04/2022 04:08:42 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

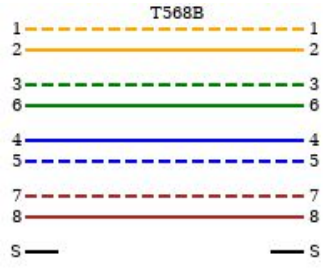
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

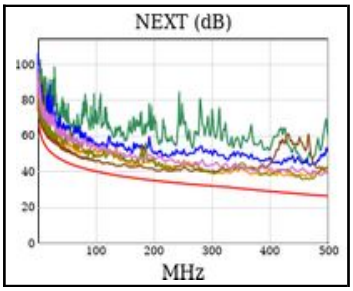
Length (ft), Limit 328	[Pair 1,2]	247
Prop. Delay (ns), Limit 555	[Pair 4,5]	393
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	20.3
Insertion Loss Margin (dB)	[Pair 4,5]	15.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

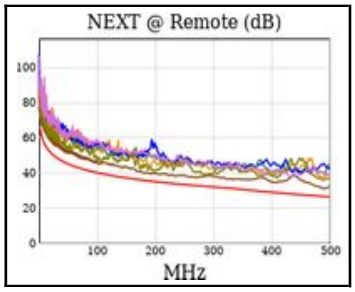


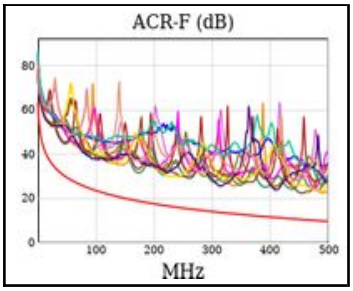
PASS

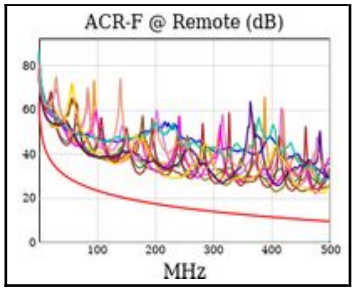


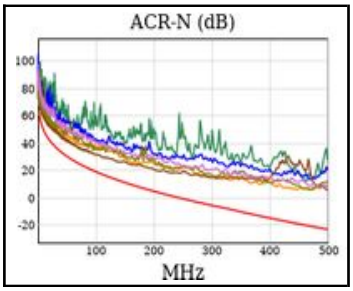


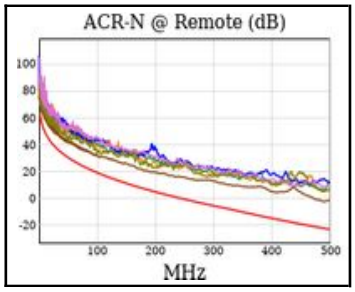


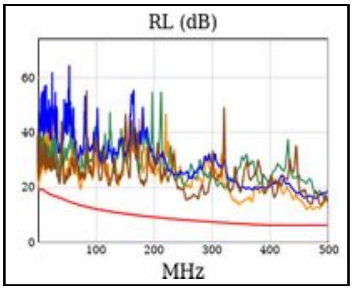


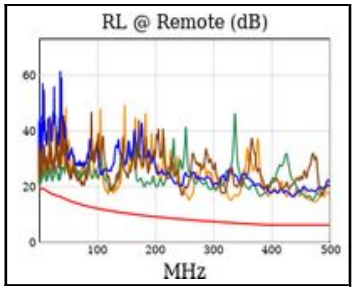












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	4.0	8.6	4.4
Freq. (MHz)	3.8	191.5	468.0	491.0
Limit (dB)	63.5	35.1	26.9	26.3
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.8	4.3	9.4	5.5
Freq. (MHz)	3.9	191.5	470.0	491.0
Limit (dB)	60.8	32.2	23.9	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.9	11.6	12.6	12.3
Freq. (MHz)	455.0	407.0	491.0	477.0
Limit (dB)	10.1	11.1	9.4	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	12.7	12.9	12.8	13.4
Freq. (MHz)	334.0	407.0	492.0	481.0
Limit (dB)	9.8	8.1	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	5.7	6.7	24.6	19.9
Freq. (MHz)	3.8	3.9	447.0	491.0
Limit (dB)	59.5	59.2	-19.0	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.0	6.9	25.7	21.7
Freq. (MHz)	3.9	3.9	471.0	491.0
Limit (dB)	56.7	56.7	-23.8	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	5.0	2.3	5.8	8.3
Freq. (MHz)	38.3	4.4	475.0	474.0
Limit (dB)	16.1	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-B

Test Summary: PASS

Date / Time: 12/04/2022 04:11:05 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	250
Prop. Delay (ns), Limit 555	[Pair 4,5]	393
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	20.2
Insertion Loss Margin (dB)	[Pair 3,6]	16.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	3.4	6.0	5.0
Freq. (MHz)	3.8	272.0	403.0	493.0
Limit (dB)	63.5	32.5	28.6	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.7	3.8	6.7	5.9
Freq. (MHz)	177.5	190.0	403.0	493.0
Limit (dB)	32.8	32.2	25.7	23.4

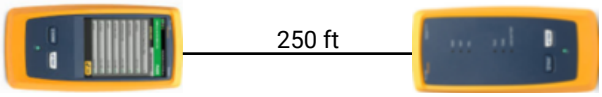
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	10.5	10.1	11.9	10.6
Freq. (MHz)	375.0	273.0	491.0	467.0
Limit (dB)	11.8	14.5	9.4	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	9.7	11.0	10.3
Freq. (MHz)	359.0	270.0	473.0	467.0
Limit (dB)	9.2	11.6	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	5.7	5.6	26.6	21.4
Freq. (MHz)	3.8	3.8	471.0	497.0
Limit (dB)	59.5	59.5	-20.9	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.3	5.3	25.7	21.6
Freq. (MHz)	3.9	3.9	471.0	493.0
Limit (dB)	56.7	56.7	-23.8	-25.5

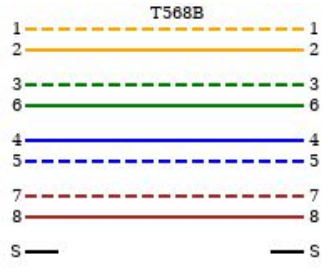
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.0	2.3	6.8	7.1
Freq. (MHz)	21.8	4.3	492.0	428.0
Limit (dB)	17.3	19.0	6.0	6.0

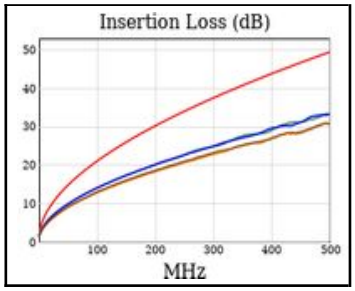
Compliant Network Standards:

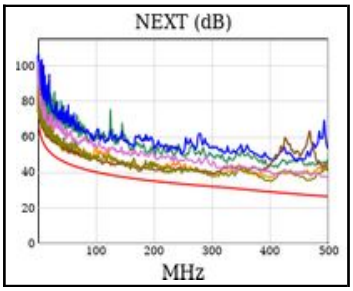
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

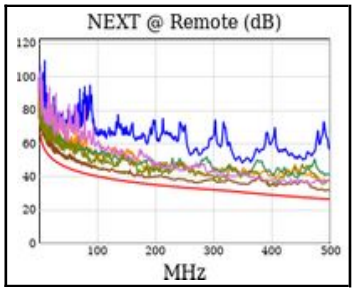


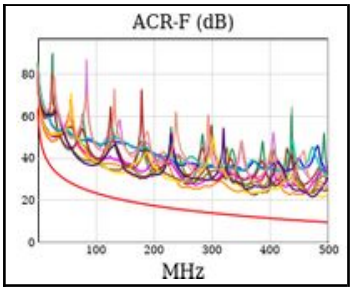
PASS

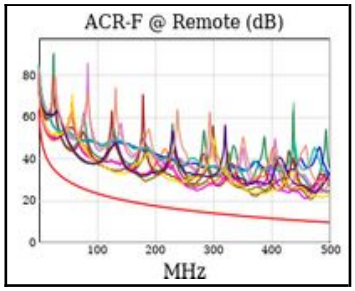


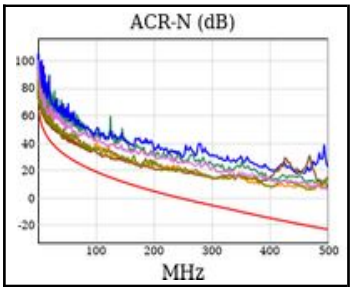


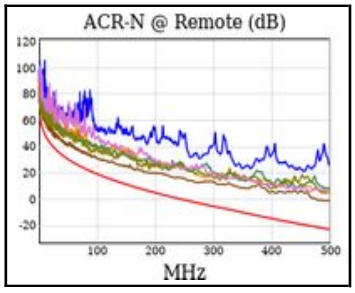


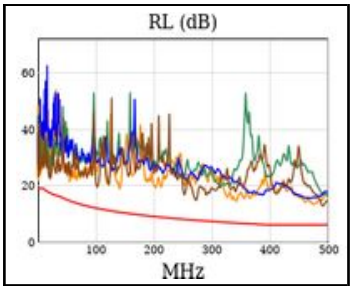


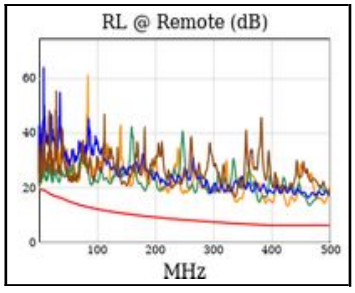












FLUKE networks

LinkWare Live

Cable ID: 124-A

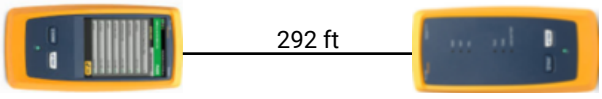
Test Summary: PASS

Date / Time: 12/04/2022 04:21:08 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

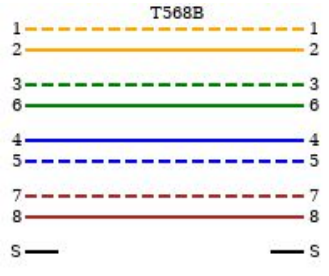
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

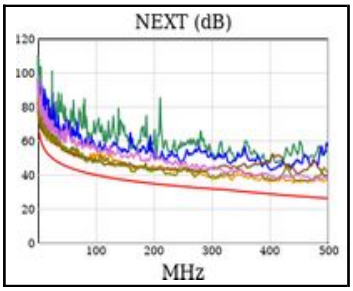
Length (ft), Limit 328	[Pair 1,2]	292
Prop. Delay (ns), Limit 555	[Pair 4,5]	462
Delay Skew (ns), Limit 50	[Pair 4,5]	27
Resistance (ohms)	[Pair 3,6]	18.3
Insertion Loss Margin (dB)	[Pair 4,5]	9.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

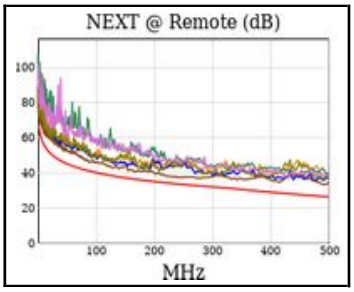


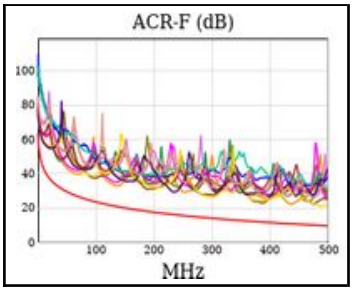
PASS

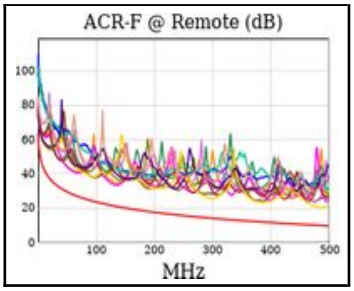


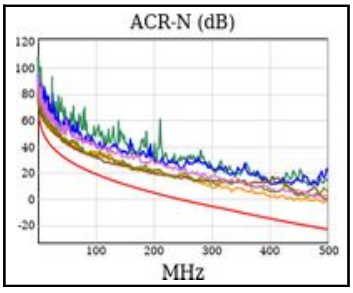


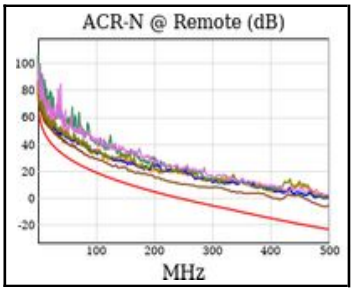


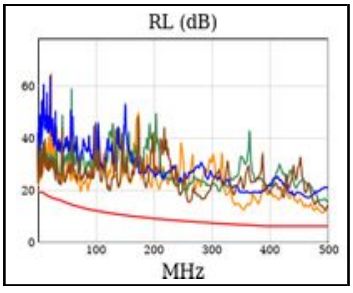


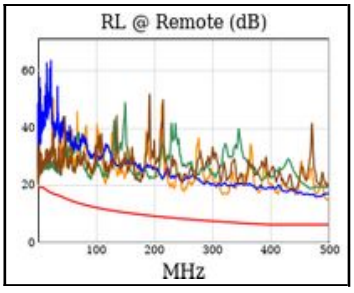












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.9	3.7	7.6	6.9
Freq. (MHz)	3.3	248.0	442.0	497.0
Limit (dB)	64.5	33.2	27.6	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.5	8.1	7.3
Freq. (MHz)	162.5	213.5	449.0	494.0
Limit (dB)	33.4	31.4	24.5	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.1	10.2	11.3	10.2
Freq. (MHz)	387.0	489.0	491.0	489.0
Limit (dB)	11.5	9.5	9.4	9.5
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	11.9	11.5	12.4	11.5
Freq. (MHz)	387.0	477.0	475.0	477.0
Limit (dB)	8.5	6.7	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	5.8	6.6	20.4	16.5
Freq. (MHz)	3.3	3.3	495.0	497.0
Limit (dB)	60.7	60.7	-22.8	-23.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.0	6.9	21.0	17.5
Freq. (MHz)	3.3	3.3	496.0	497.0
Limit (dB)	58.2	58.2	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.0	4.7	5.1	8.3
Freq. (MHz)	6.3	6.3	491.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-A

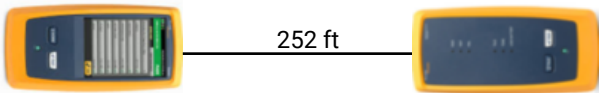
Test Summary: PASS

Date / Time: 11/27/2022 01:31:43 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

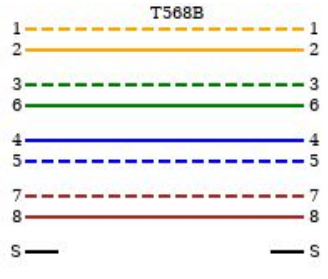
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

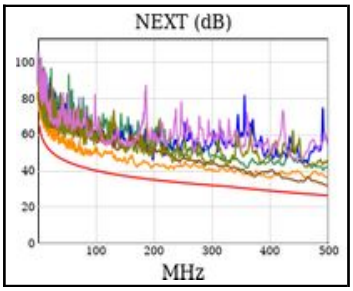
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	399
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 7,8]	16.5
Insertion Loss Margin (dB)	[Pair 3,6]	14.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

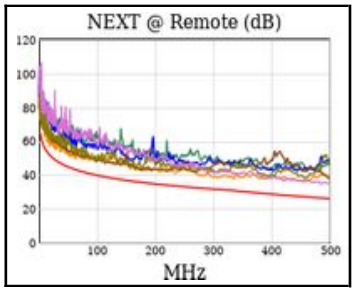


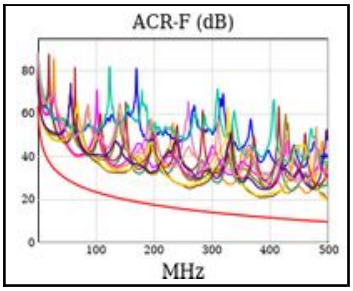
PASS

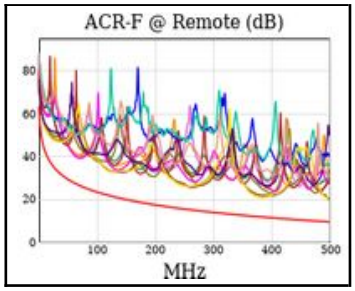


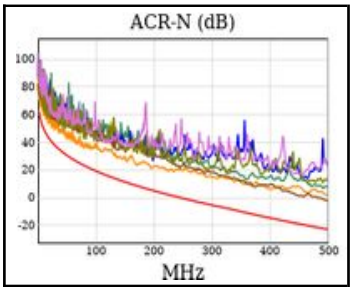


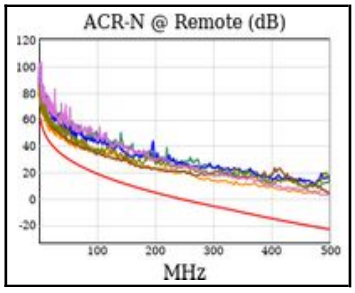


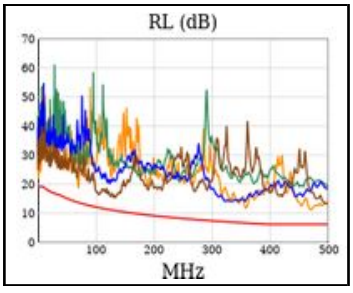


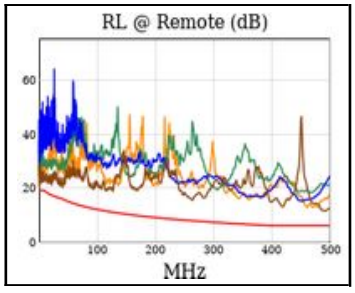












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	5.3	5.0	5.3	8.5
Freq. (MHz)	500.0	18.9	500.0	486.0
Limit (dB)	26.1	52.0	26.1	26.4
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.8	5.8	6.9	9.9
Freq. (MHz)	499.0	179.0	500.0	499.0
Limit (dB)	23.3	32.7	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.1	10.7	10.6
Freq. (MHz)	387.0	387.0	500.0	500.0
Limit (dB)	11.5	11.5	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.6	9.7	12.4	9.7
Freq. (MHz)	392.0	402.0	500.0	402.0
Limit (dB)	8.4	8.2	6.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	8.8	7.8	20.3	24.8
Freq. (MHz)	5.4	18.9	500.0	486.0
Limit (dB)	56.2	43.2	-23.2	-22.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.4	7.9	21.8	25.1
Freq. (MHz)	5.4	5.1	500.0	500.0
Limit (dB)	53.7	54.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.2	2.9	5.0	5.4
Freq. (MHz)	105.5	5.8	472.0	493.0
Limit (dB)	11.8	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-B

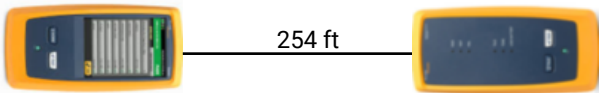
Test Summary: PASS

Date / Time: 11/27/2022 01:28:05 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

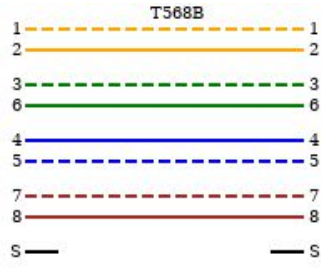
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

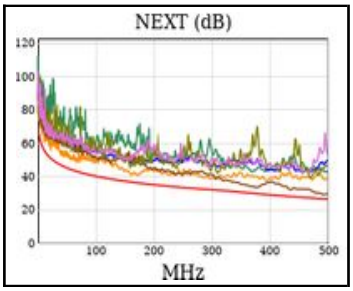
Length (ft), Limit 328	[Pair 1,2]	254
Prop. Delay (ns), Limit 555	[Pair 4,5]	399
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 7,8]	15.8
Insertion Loss Margin (dB)	[Pair 3,6]	15.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

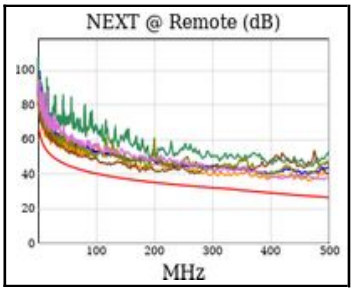


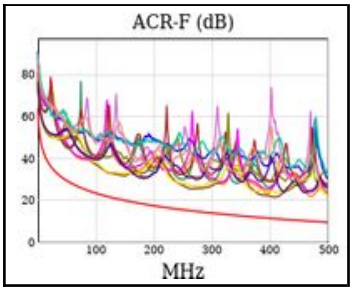
PASS

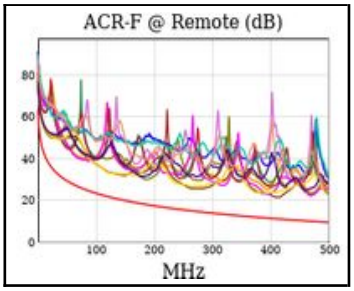


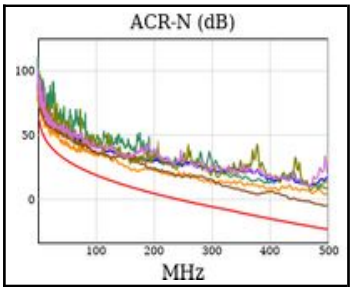


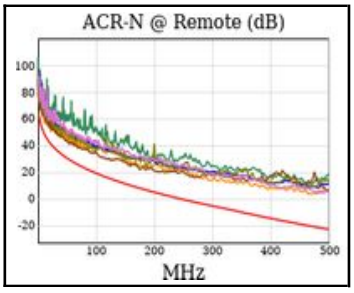


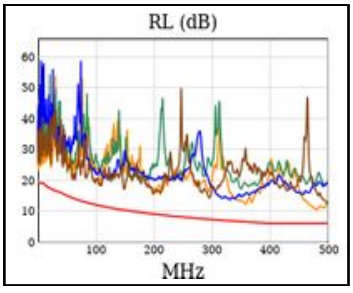


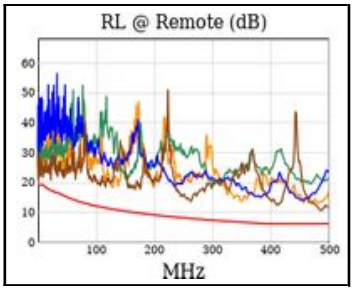












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	2.5	5.1	2.5	8.6
Freq. (MHz)	493.0	175.5	493.0	466.0
Limit (dB)	26.3	35.8	26.3	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	5.3	4.9	9.7
Freq. (MHz)	493.0	188.0	496.0	465.0
Limit (dB)	23.4	32.3	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.2	10.2	10.2
Freq. (MHz)	410.0	410.0	410.0	410.0
Limit (dB)	11.0	11.0	11.0	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.0	10.7	13.3	10.7
Freq. (MHz)	393.0	402.0	500.0	402.0
Limit (dB)	8.4	8.2	6.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.6	8.3	18.0	23.6
Freq. (MHz)	12.0	12.0	497.0	466.0
Limit (dB)	48.2	48.2	-23.0	-20.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.1	8.8	19.9	27.2
Freq. (MHz)	12.1	12.1	497.0	500.0
Limit (dB)	45.5	45.5	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.4	2.6	4.4	4.5
Freq. (MHz)	481.0	9.8	481.0	489.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 124-A

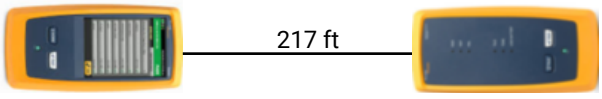
Test Summary: PASS

Date / Time: 11/27/2022 01:32:50 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

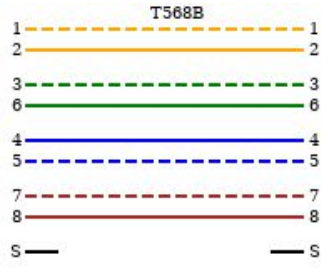
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

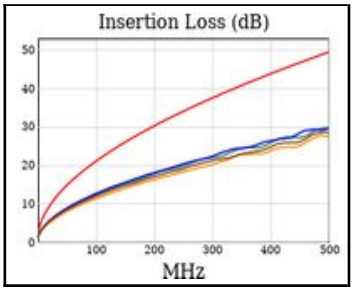
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

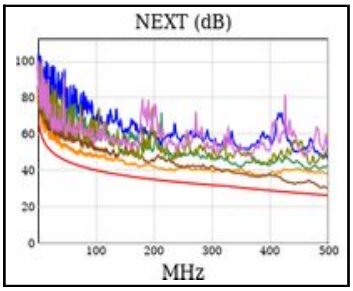
Length (ft), Limit 328	[Pair 1,2]	217
Prop. Delay (ns), Limit 555	[Pair 4,5]	342
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	15.5
Insertion Loss Margin (dB)	[Pair 3,6]	19.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

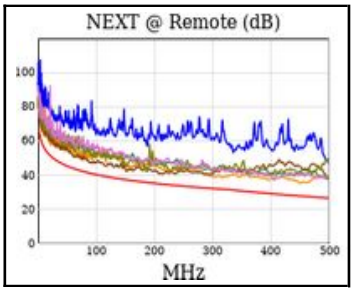


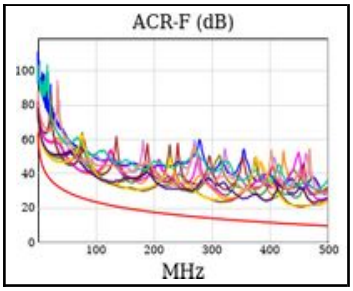
PASS

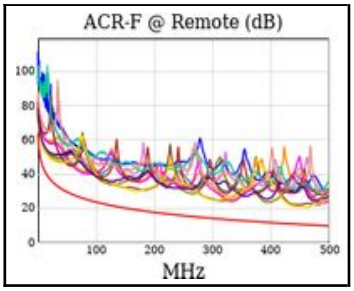


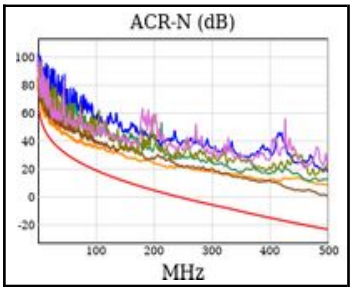


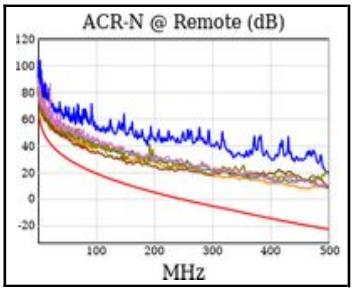


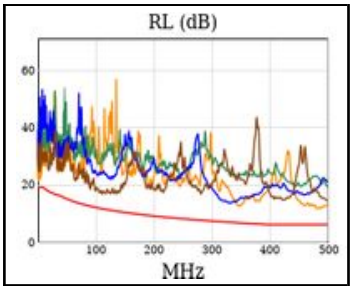


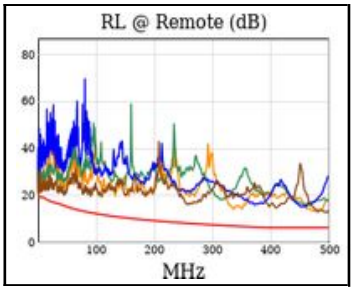












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	4.7	4.0	7.5
Freq. (MHz)	489.0	153.0	500.0	452.0
Limit (dB)	26.4	36.8	26.1	27.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.1	4.9	6.2	10.0
Freq. (MHz)	490.0	153.5	500.0	500.0
Limit (dB)	23.5	33.9	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.9	10.2	9.9
Freq. (MHz)	316.0	461.0	453.0	461.0
Limit (dB)	13.3	10.0	10.1	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.0	10.9	12.2
Freq. (MHz)	482.0	334.0	482.0	482.0
Limit (dB)	6.6	9.8	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.5	7.6	23.8	27.7
Freq. (MHz)	6.3	6.3	500.0	463.0
Limit (dB)	54.8	54.8	-23.2	-20.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.3	8.4	25.9	29.8
Freq. (MHz)	6.3	6.0	500.0	500.0
Limit (dB)	52.2	52.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.9	2.2	5.6	6.4
Freq. (MHz)	112.0	6.8	484.0	497.0
Limit (dB)	11.5	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 124-A

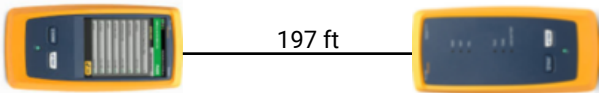
Test Summary: PASS

Date / Time: 11/22/2022 05:16:32 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

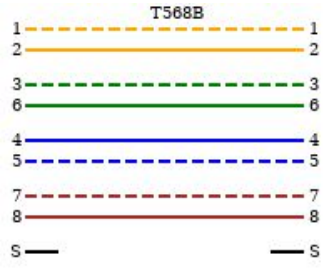
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

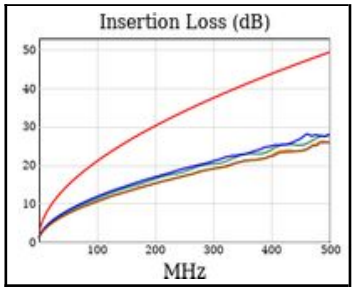
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

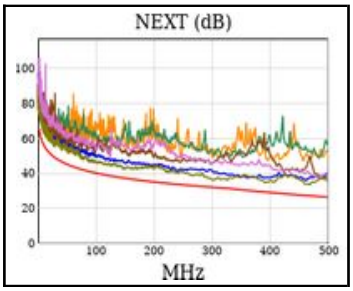
Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 3,6]	306
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 4,5]	19.3
Frequency (MHz)	[Pair 4,5]	463.0
Limit (dB)	[Pair 4,5]	47.3

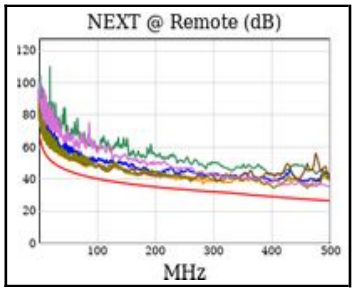


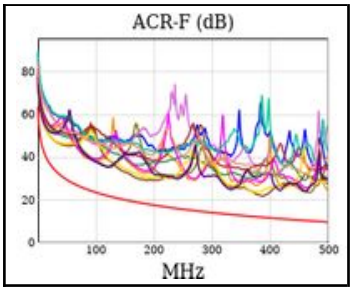
PASS

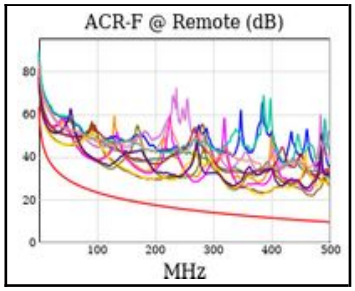


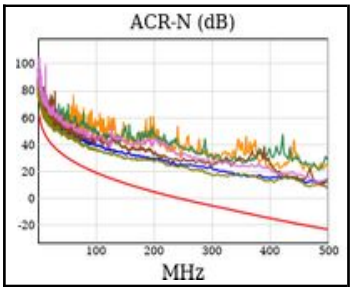


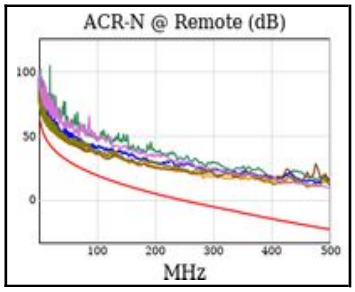


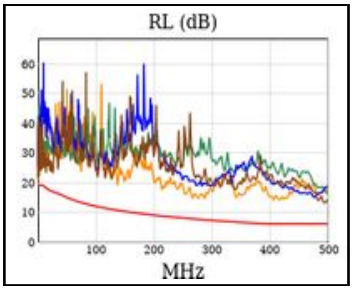


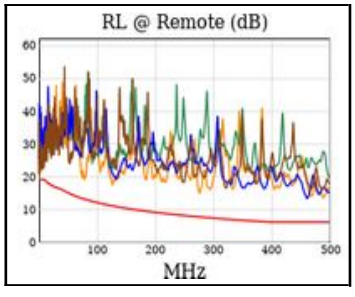












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-7,8
NEXT (dB)	4.0	4.3	6.4	7.0
Freq. (MHz)	303.0	283.0	470.0	462.0
Limit (dB)	31.7	32.2	26.8	27.0
Worst Pair	7,8	3,6	7,8	7,8
PS NEXT (dB)	5.5	4.3	7.0	7.2
Freq. (MHz)	304.0	170.0	470.0	462.0
Limit (dB)	28.7	33.1	23.9	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	10.0	10.6	10.0	11.9
Freq. (MHz)	388.0	384.0	388.0	470.0
Limit (dB)	11.5	11.6	11.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.4	13.9	12.6
Freq. (MHz)	335.0	339.0	464.0	464.0
Limit (dB)	9.8	9.7	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	9.9	8.7	31.1	32.4
Freq. (MHz)	8.5	3.3	500.0	500.0
Limit (dB)	51.8	60.7	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	7.6	31.5	31.3
Freq. (MHz)	3.4	5.0	494.0	500.0
Limit (dB)	57.9	54.3	-25.6	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	4,5
RL (dB)	5.2	3.6	7.1	7.2
Freq. (MHz)	14.8	9.3	496.0	462.0
Limit (dB)	18.2	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-A

Test Summary: PASS

Date / Time: 11/21/2022 01:45:23 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	173
Prop. Delay (ns), Limit 555	[Pair 4,5]	268
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	25.1
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.8	2.9	7.0	6.1
Freq. (MHz)	169.0	231.0	500.0	500.0
Limit (dB)	36.0	33.7	26.1	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.1	5.1	8.0	7.1
Freq. (MHz)	169.5	231.0	500.0	500.0
Limit (dB)	33.1	30.8	23.2	23.2

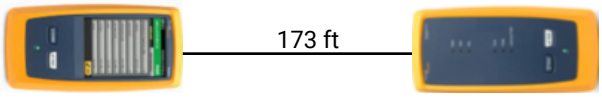
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.5	12.5	13.7
Freq. (MHz)	257.0	256.0	500.0	500.0
Limit (dB)	15.1	15.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.2	13.5	13.3
Freq. (MHz)	257.0	6.8	468.0	465.0
Limit (dB)	12.1	43.7	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	11.1	33.8	31.7
Freq. (MHz)	3.8	5.6	500.0	500.0
Limit (dB)	59.5	55.8	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.6	34.7	32.7
Freq. (MHz)	3.8	3.8	500.0	500.0
Limit (dB)	57.0	57.0	-26.1	-26.1

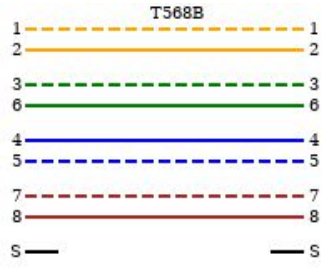
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.1	6.7	6.2	7.6
Freq. (MHz)	265.0	12.8	408.0	499.0
Limit (dB)	7.8	18.5	6.0	6.0

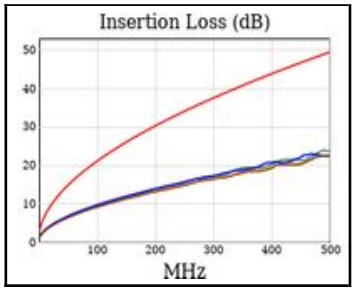
Compliant Network Standards:

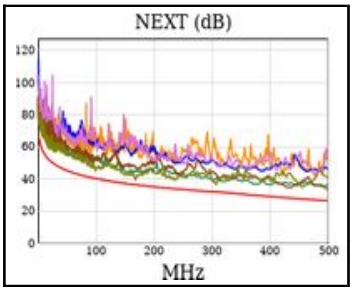
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

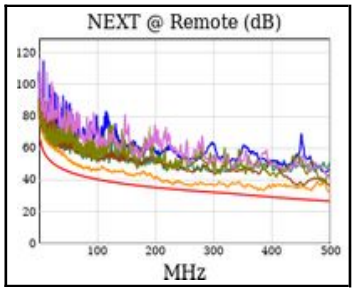


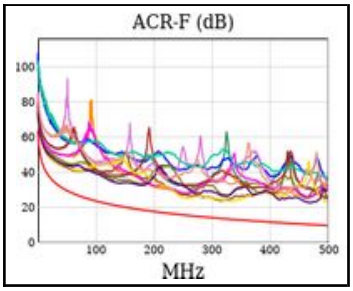
PASS

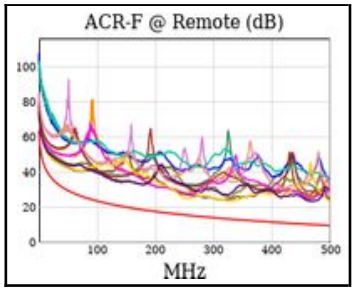


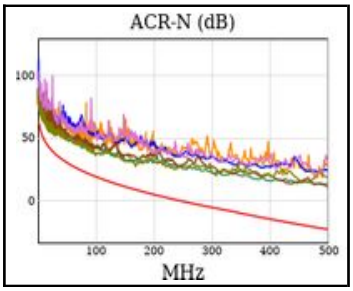


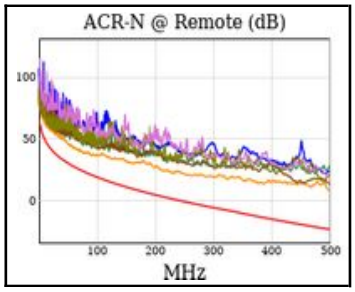


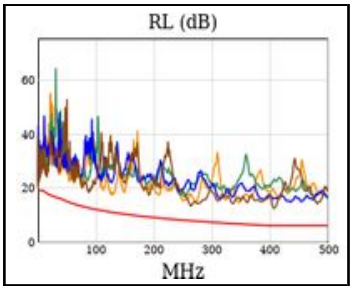


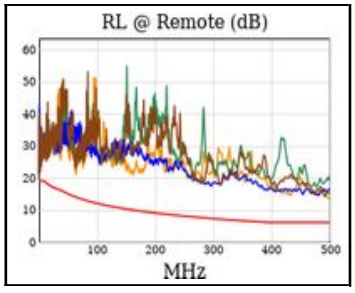












FLUKE networks

LinkWare Live

Cable ID: 123-B

Test Summary: PASS

Date / Time: 11/21/2022 01:46:48 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	173
Prop. Delay (ns), Limit 555	[Pair 4,5]	269
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.0	3.2	8.3	4.1
Freq. (MHz)	296.0	395.0	498.0	493.0
Limit (dB)	31.8	28.9	26.1	26.3
Worst Pair	7,8	1,2	4,5	3,6
PS NEXT (dB)	6.3	5.5	9.1	6.2
Freq. (MHz)	296.0	231.0	495.0	493.0
Limit (dB)	28.9	30.8	23.3	23.4

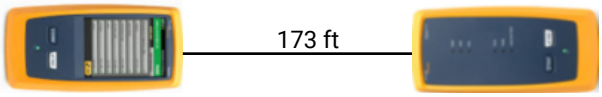
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.6	10.6	11.7	12.1
Freq. (MHz)	331.0	331.0	467.0	465.0
Limit (dB)	12.9	12.9	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.2	12.5	12.2
Freq. (MHz)	6.8	4.6	467.0	463.0
Limit (dB)	43.7	47.0	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	11.7	35.2	29.6
Freq. (MHz)	5.6	3.6	500.0	493.0
Limit (dB)	55.8	59.8	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	11.5	35.3	31.6
Freq. (MHz)	5.5	3.6	494.0	493.0
Limit (dB)	53.4	57.3	-25.6	-25.5

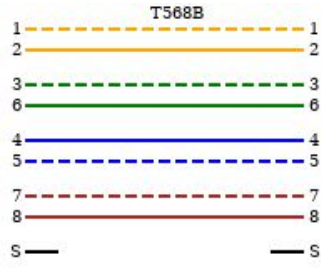
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.3	5.6	7.1	5.6
Freq. (MHz)	54.8	497.0	402.0	497.0
Limit (dB)	14.6	6.0	6.0	6.0

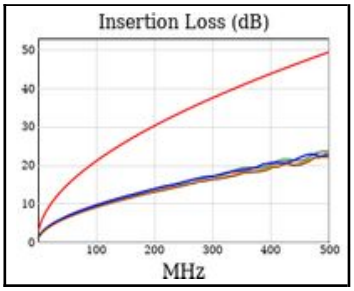
Compliant Network Standards:

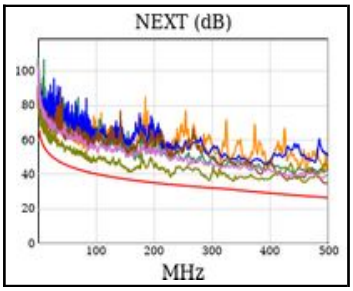
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

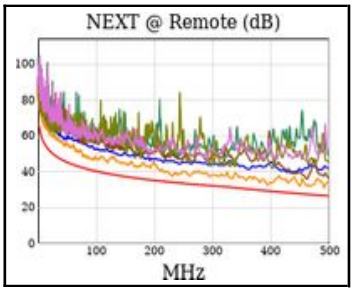


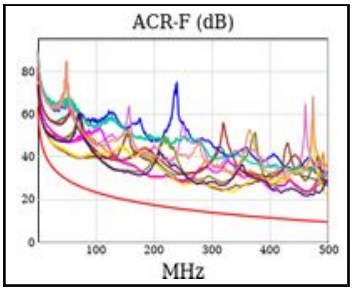
PASS

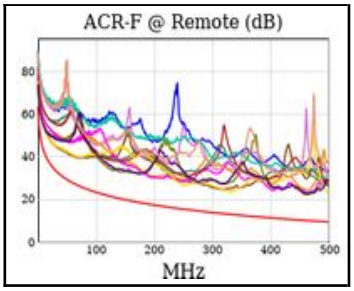


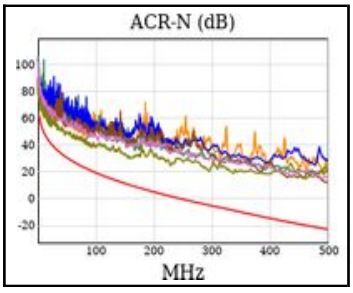


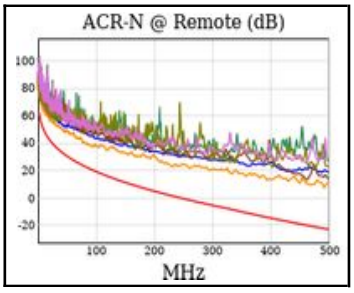


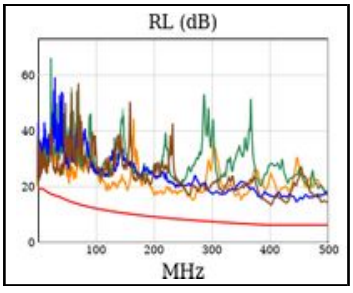


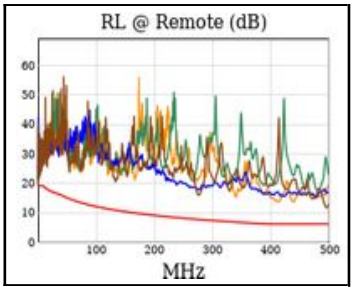












FLUKE networks

LinkWare Live

Cable ID: 123-A

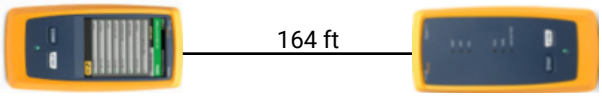
Test Summary: PASS

Date / Time: 11/22/2022 01:34:41 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

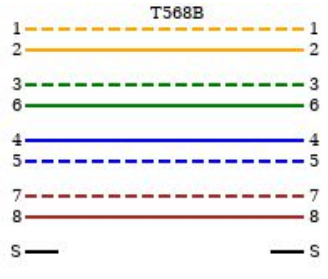
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

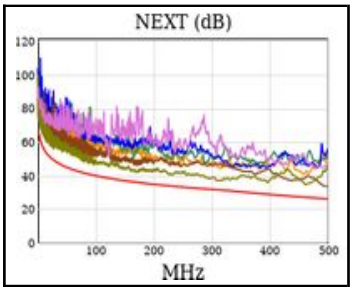
Length (ft), Limit 328	[Pair 1,2]	164
Prop. Delay (ns), Limit 555	[Pair 3,6]	253
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	25.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

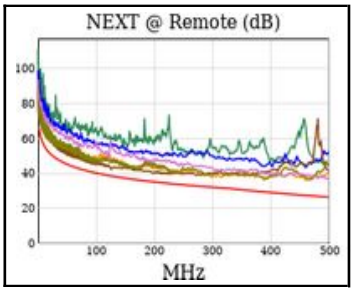


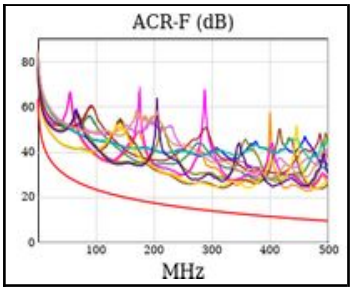
PASS

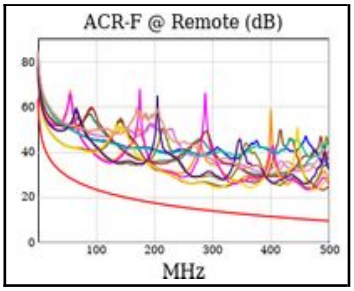


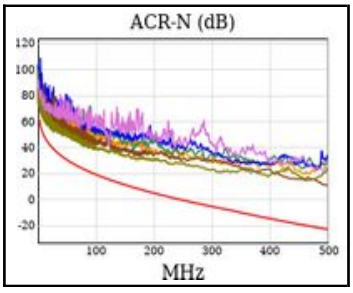


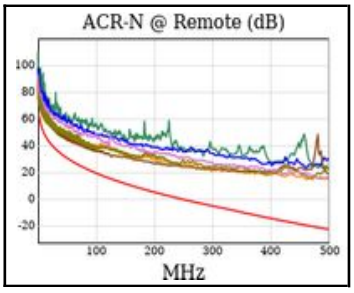


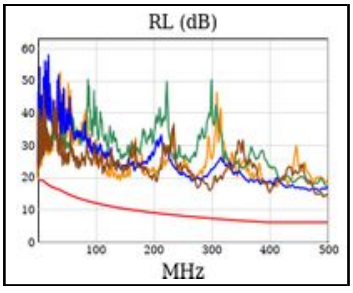


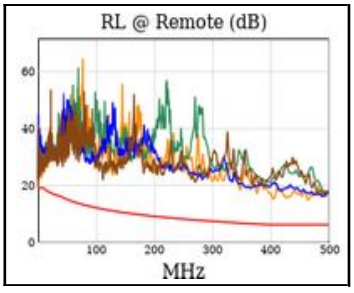












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	3.9	7.5	8.8
Freq. (MHz)	313.0	127.5	499.0	463.0
Limit (dB)	31.4	38.1	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	4.1	8.3	8.7
Freq. (MHz)	4.1	96.0	461.0	464.0
Limit (dB)	60.3	37.4	24.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	4,5-3,6
ACR-F (dB)	10.6	10.4	12.8	13.4
Freq. (MHz)	257.0	309.0	470.0	490.0
Limit (dB)	15.1	13.5	9.8	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	12.7	12.7
Freq. (MHz)	6.8	260.0	470.0	472.0
Limit (dB)	43.7	12.0	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	8.0	33.8	35.3
Freq. (MHz)	4.0	4.0	499.0	474.0
Limit (dB)	58.9	58.9	-23.1	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	7.5	35.2	34.6
Freq. (MHz)	4.1	4.0	497.0	472.0
Limit (dB)	56.1	56.4	-25.8	-23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.8	7.5	7.8	8.6
Freq. (MHz)	493.0	13.5	493.0	466.0
Limit (dB)	6.0	18.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-B

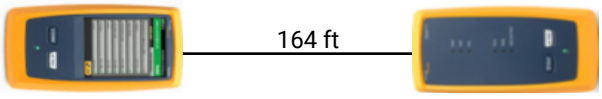
Test Summary: PASS

Date / Time: 11/22/2022 01:35:26 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

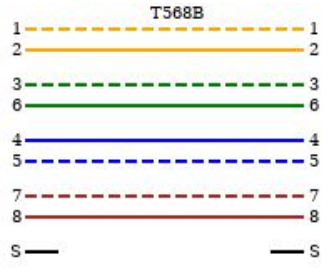
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

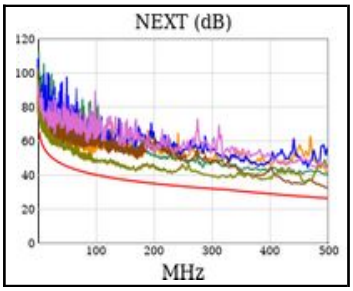
Length (ft), Limit 328	[Pair 1,2]	164
Prop. Delay (ns), Limit 555	[Pair 3,6]	254
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.8
Insertion Loss Margin (dB)	[Pair 3,6]	25.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

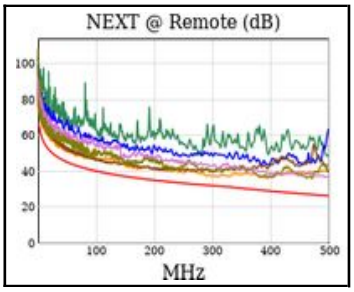


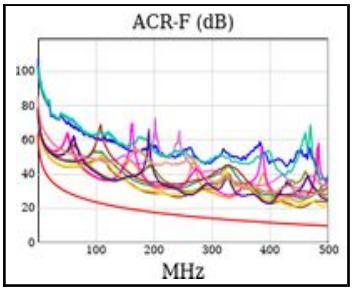
PASS

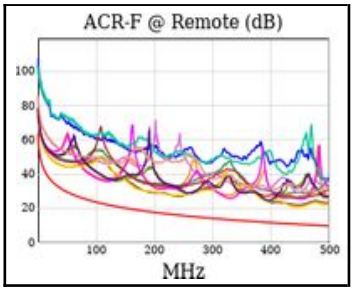


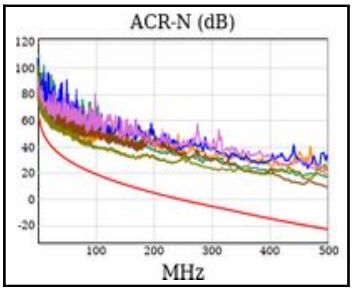


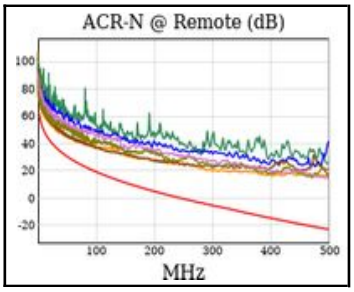


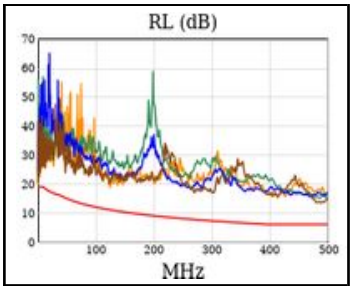


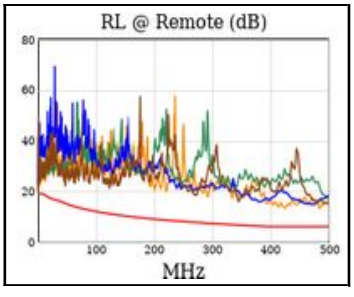












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.7	5.0	6.1	8.8
Freq. (MHz)	169.0	299.0	497.0	472.0
Limit (dB)	36.0	31.8	26.2	26.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.1	4.5	8.1	6.7
Freq. (MHz)	6.3	172.5	498.0	396.0
Limit (dB)	57.4	33.0	23.3	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.7	10.1	9.7
Freq. (MHz)	452.0	447.0	456.0	447.0
Limit (dB)	10.2	10.3	10.1	10.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.4	11.3	12.1	11.4
Freq. (MHz)	447.0	447.0	497.0	449.0
Limit (dB)	7.3	7.3	6.3	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	10.2	9.1	32.4	37.4
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	58.9	58.9	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.6	7.6	33.6	37.2
Freq. (MHz)	4.0	4.0	497.0	500.0
Limit (dB)	56.4	56.4	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	7.0	5.6	7.4	7.2
Freq. (MHz)	13.4	13.4	488.0	485.0
Limit (dB)	18.4	18.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 123-A

Test Summary: PASS

Date / Time: 11/19/2022 05:41:30 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	219
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.4	4.8	8.5	7.2
Freq. (MHz)	89.3	155.5	463.0	493.0
Limit (dB)	40.8	36.7	27.0	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.4	6.8	8.6	8.5
Freq. (MHz)	89.3	155.5	463.0	488.0
Limit (dB)	37.9	33.8	24.1	23.5

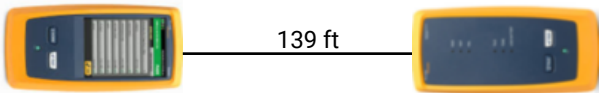
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.3	10.6	11.0
Freq. (MHz)	245.5	245.5	487.0	497.0
Limit (dB)	15.5	15.5	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	11.3	9.5	11.3
Freq. (MHz)	481.0	469.0	481.0	469.0
Limit (dB)	6.6	6.8	6.6	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	10.5	10.5	41.8	37.9
Freq. (MHz)	4.5	7.4	498.0	493.0
Limit (dB)	57.8	53.2	-23.1	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	10.3	41.2	38.1
Freq. (MHz)	4.6	4.9	499.0	490.0
Limit (dB)	55.1	54.6	-26.0	-25.3

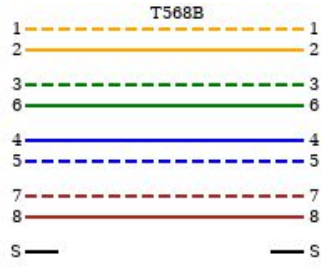
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.8	6.4	8.4	7.4
Freq. (MHz)	49.5	25.5	407.0	483.0
Limit (dB)	15.1	17.0	6.0	6.0

Compliant Network Standards:

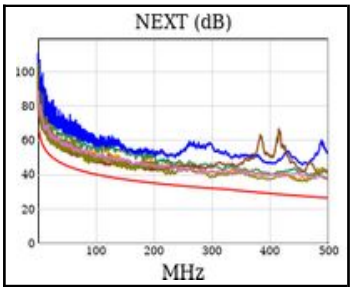
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

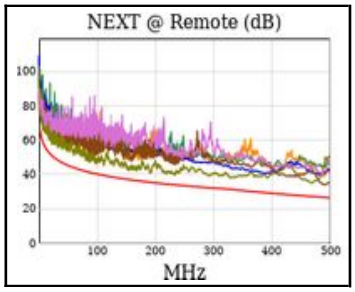


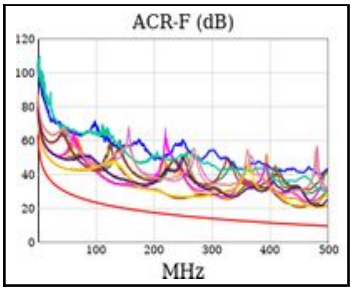
PASS

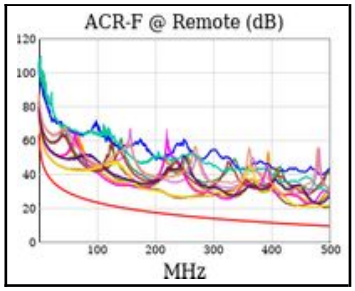


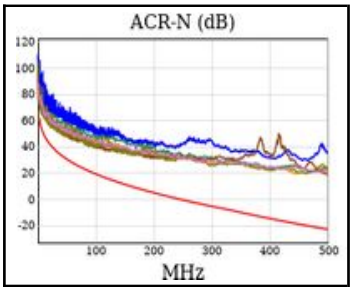


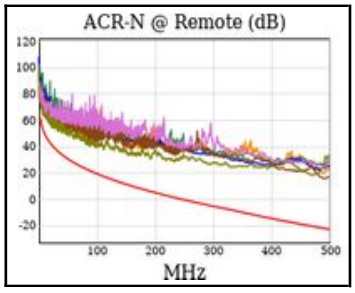


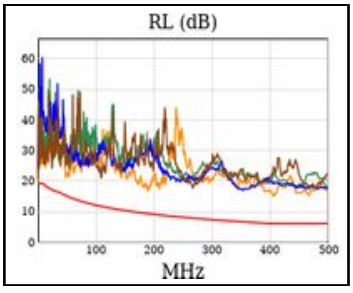


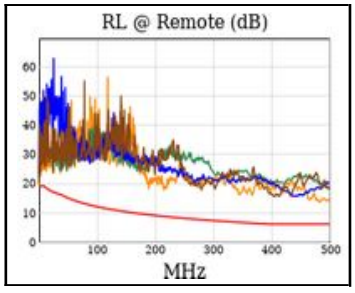












FLUKE networks

LinkWare Live

Cable ID: 123-B

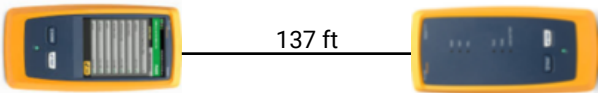
Test Summary: PASS

Date / Time: 11/19/2022 05:41:54 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

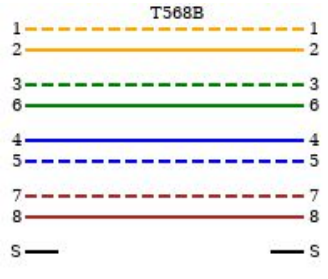
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	30.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

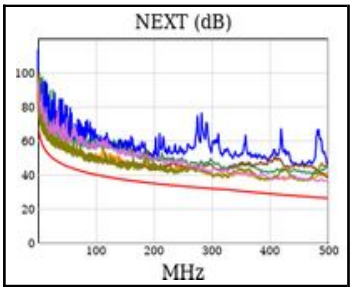


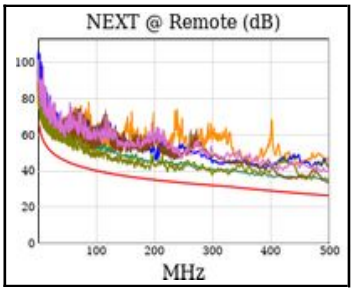
PASS



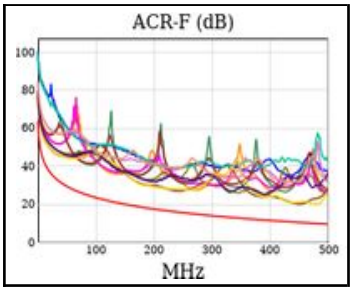


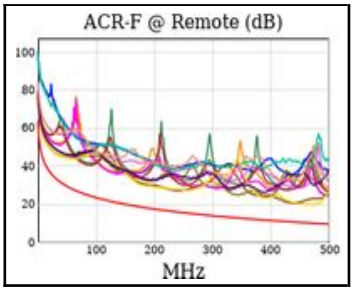
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	6.0	5.0	8.9	6.9
Freq. (MHz)	143.5	223.5	458.0	500.0
Limit (dB)	37.3	34.0	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.9	6.8	8.9	7.0
Freq. (MHz)	154.0	5.0	458.0	500.0
Limit (dB)	33.8	59.0	24.2	23.2



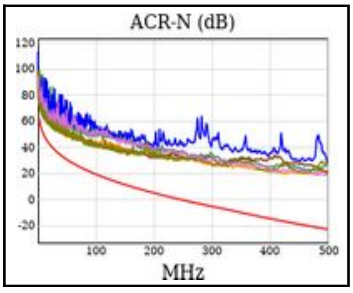


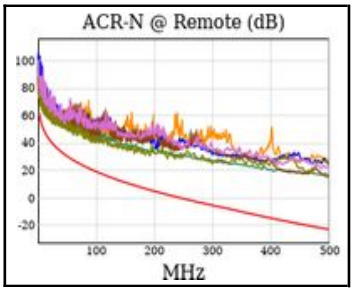
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.6	9.6	9.8
Freq. (MHz)	453.0	462.0	453.0	476.0
Limit (dB)	10.1	10.0	10.1	9.7
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.9	11.7	12.6	11.9
Freq. (MHz)	5.3	447.0	483.0	453.0
Limit (dB)	45.9	7.3	6.6	7.1



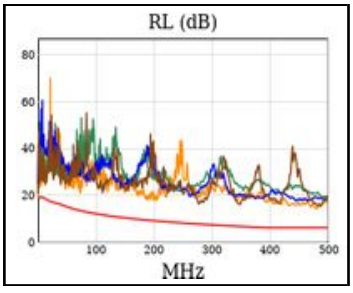


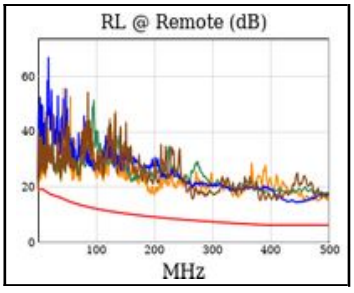
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	10.2	9.6	41.2	37.8
Freq. (MHz)	5.0	5.0	496.0	500.0
Limit (dB)	56.9	56.9	-22.9	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.0	9.7	41.3	37.9
Freq. (MHz)	4.8	4.9	499.0	500.0
Limit (dB)	54.8	54.6	-26.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	7.4	5.9	7.9	8.1
Freq. (MHz)	74.0	40.5	480.0	448.0
Limit (dB)	13.3	15.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 124-B

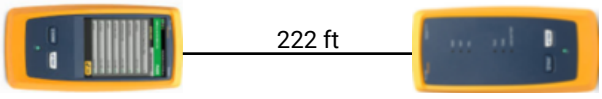
Test Summary: PASS

Date / Time: 11/25/2022 06:17:12 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

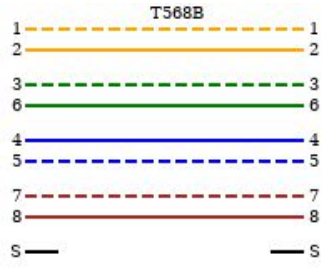
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

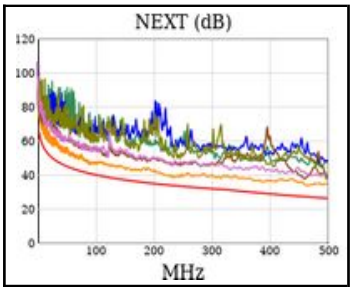
Length (ft), Limit 328	[Pair 1,2]	222
Prop. Delay (ns), Limit 555	[Pair 3,6]	343
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	18.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

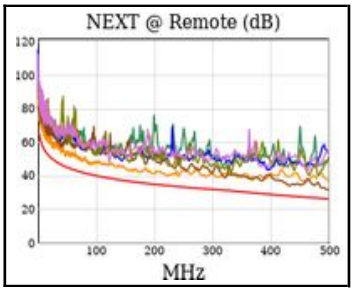


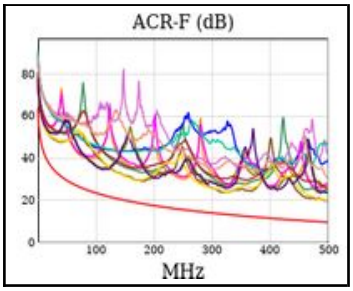
PASS

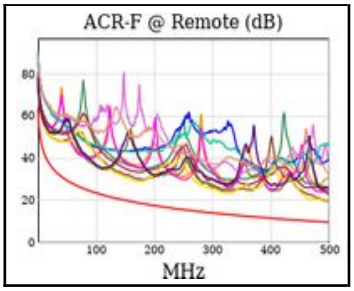


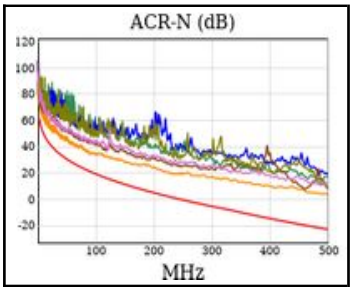


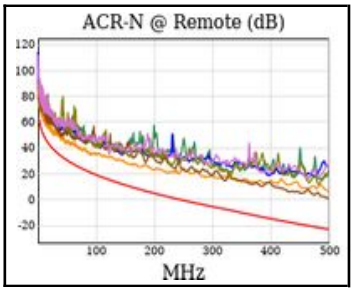


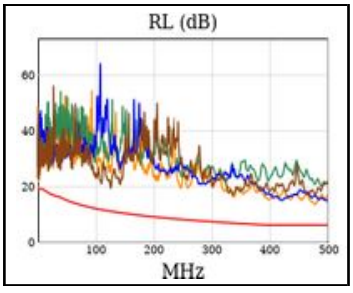


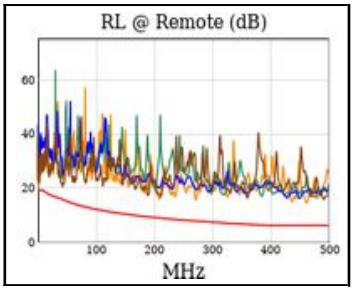












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	5.3	6.5	5.4
Freq. (MHz)	235.5	497.0	465.0	498.0
Limit (dB)	33.6	26.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	7.1	8.7	7.1
Freq. (MHz)	234.5	498.0	500.0	498.0
Limit (dB)	30.6	23.3	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	10.0	10.1	10.0
Freq. (MHz)	498.0	498.0	498.0	498.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.3	11.0	10.6
Freq. (MHz)	325.0	323.0	487.0	499.0
Limit (dB)	10.0	10.1	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.9	9.1	26.1	23.9
Freq. (MHz)	13.9	3.0	492.0	498.0
Limit (dB)	46.6	61.4	-22.6	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	10.6	27.2	25.5
Freq. (MHz)	4.4	3.1	500.0	498.0
Limit (dB)	55.6	58.3	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	7.4	4.5	7.4	8.3
Freq. (MHz)	478.0	43.0	478.0	462.0
Limit (dB)	6.0	15.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-A

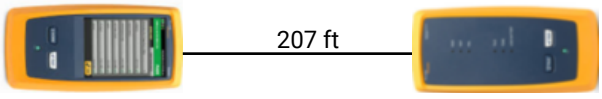
Test Summary: PASS

Date / Time: 11/25/2022 06:09:10 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

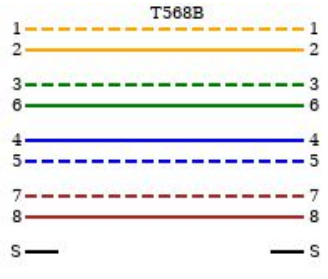
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

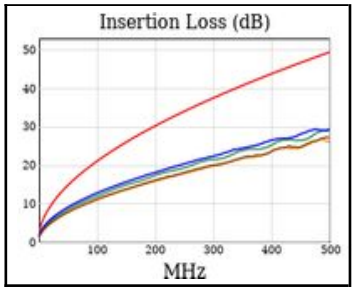
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

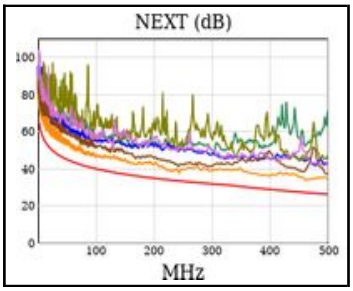
Length (ft), Limit 328	[Pair 1,2]	207
Prop. Delay (ns), Limit 555	[Pair 3,6]	320
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 4,5]	21.2
Insertion Loss Margin (dB)	[Pair 4,5]	20.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

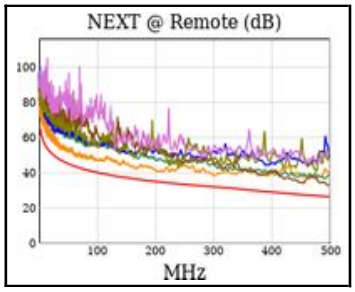


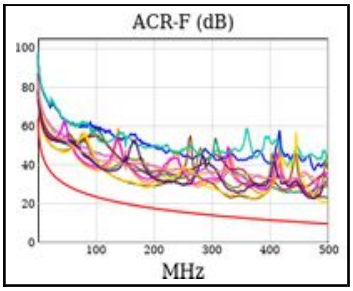
PASS

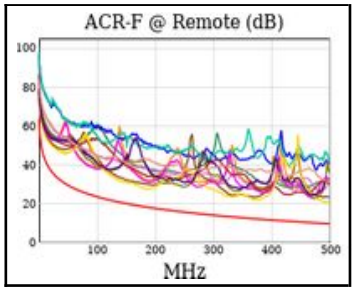


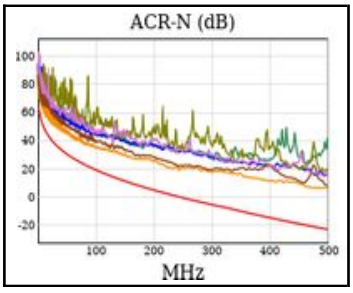


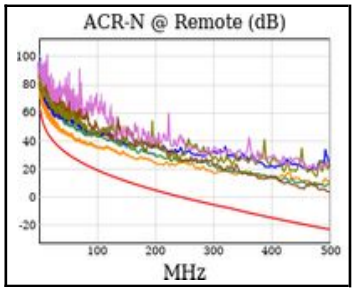


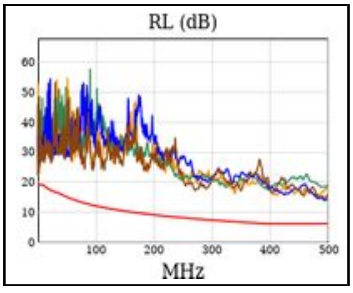


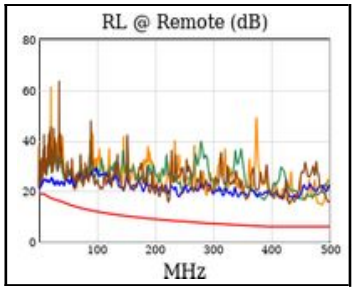












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	5.4	6.8	6.6
Freq. (MHz)	244.5	63.5	463.0	499.0
Limit (dB)	33.3	43.3	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.7	7.3	9.2	8.3
Freq. (MHz)	244.5	225.0	500.0	499.0
Limit (dB)	30.3	31.0	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.3	11.2	10.9
Freq. (MHz)	335.0	188.0	498.0	498.0
Limit (dB)	12.8	17.8	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	10.8	11.1	11.3	11.7
Freq. (MHz)	188.5	376.0	478.0	474.0
Limit (dB)	14.8	8.8	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	8.8	28.9	26.6
Freq. (MHz)	3.4	3.4	499.0	499.0
Limit (dB)	60.4	60.4	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.5	10.0	29.6	28.4
Freq. (MHz)	3.3	3.3	500.0	499.0
Limit (dB)	58.2	58.2	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	4,5	4,5	1,2
RL (dB)	7.7	3.3	7.8	8.6
Freq. (MHz)	11.9	5.3	495.0	487.0
Limit (dB)	18.6	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-B

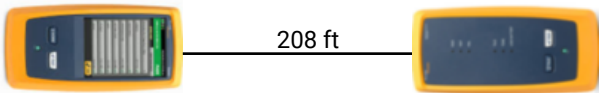
Test Summary: PASS

Date / Time: 11/25/2022 06:09:44 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

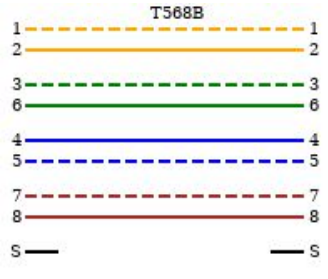
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

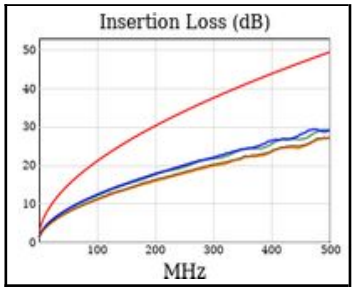
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

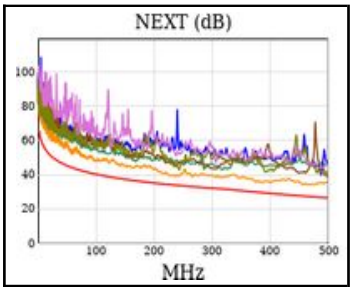
Length (ft), Limit 328	[Pair 1,2]	208
Prop. Delay (ns), Limit 555	[Pair 3,6]	322
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 4,5]	19.0
Frequency (MHz)	[Pair 4,5]	479.0
Limit (dB)	[Pair 4,5]	48.2

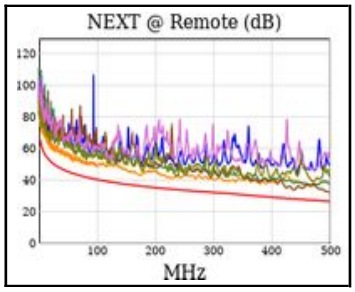


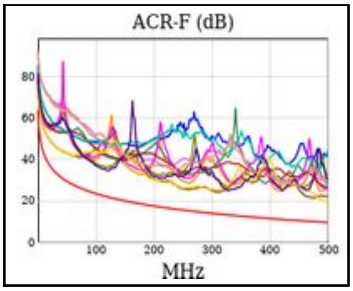
PASS

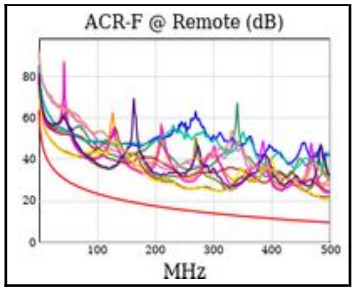


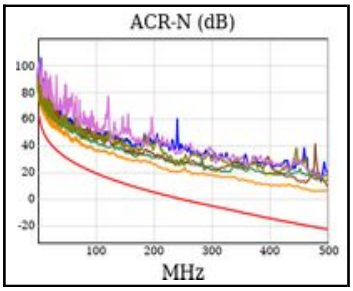


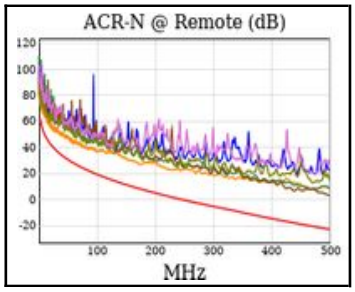


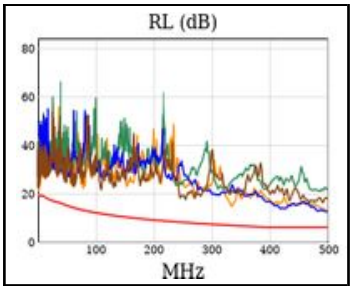


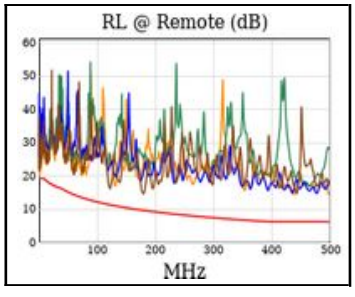












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.0	5.7	6.7	5.7
Freq. (MHz)	237.5	500.0	459.0	500.0
Limit (dB)	33.5	26.1	27.1	26.1
Worst Pair	3,6	4,5	3,6	3,6
PS NEXT (dB)	6.3	7.1	9.3	7.2
Freq. (MHz)	237.5	438.0	494.0	500.0
Limit (dB)	30.5	24.8	23.4	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	10.1	10.1	10.4
Freq. (MHz)	253.0	251.0	497.0	498.0
Limit (dB)	15.2	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.3	11.9	11.9
Freq. (MHz)	253.0	253.0	499.0	499.0
Limit (dB)	12.2	12.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.4	10.6	28.0	26.0
Freq. (MHz)	3.4	3.1	494.0	500.0
Limit (dB)	60.4	61.1	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	11.4	29.2	27.4
Freq. (MHz)	3.3	3.3	494.0	500.0
Limit (dB)	58.2	58.2	-25.6	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	1,2
RL (dB)	6.4	4.7	6.4	8.2
Freq. (MHz)	498.0	123.0	498.0	500.0
Limit (dB)	6.0	11.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 124-B

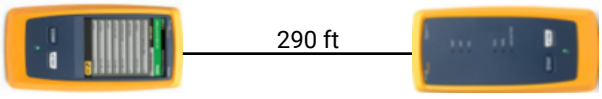
Test Summary: PASS

Date / Time: 12/04/2022 04:22:20 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

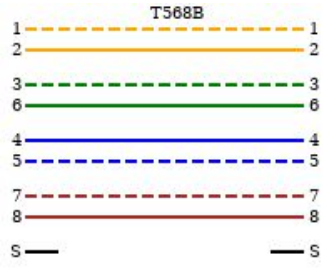
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

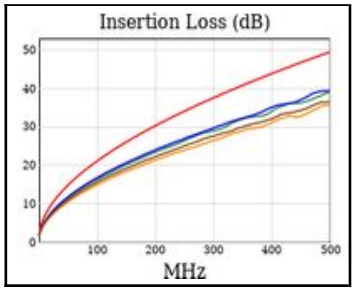
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

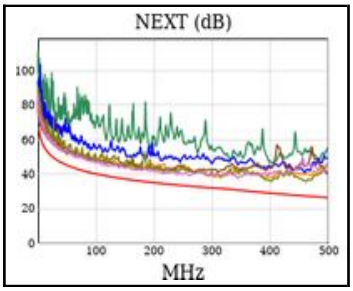
Length (ft), Limit 328	[Pair 1,2]	290
Prop. Delay (ns), Limit 555	[Pair 4,5]	462
Delay Skew (ns), Limit 50	[Pair 4,5]	29
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 4,5]	10.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

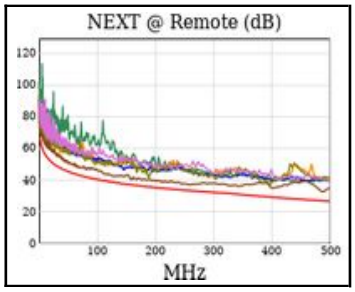


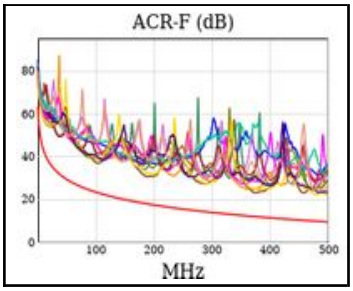
PASS

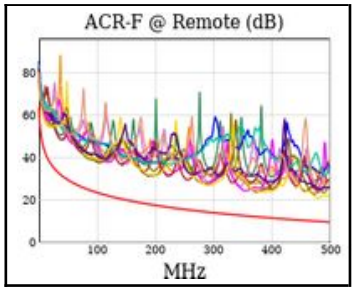


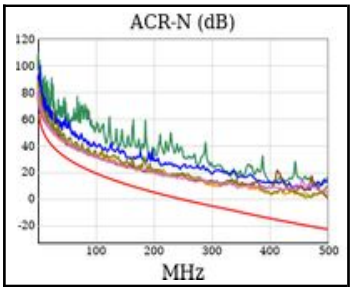


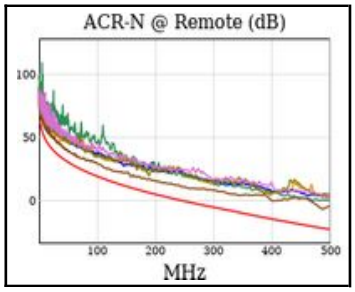


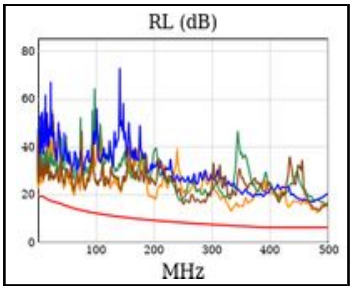


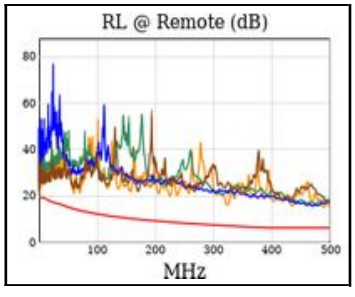












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.4	3.2	8.3	5.7
Freq. (MHz)	3.1	159.0	463.0	489.0
Limit (dB)	64.8	36.5	27.0	26.4
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	4.4	7.3	7.3
Freq. (MHz)	51.0	189.5	403.0	489.0
Limit (dB)	42.1	32.3	25.7	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.1	10.9	12.2	10.9
Freq. (MHz)	376.0	480.0	480.0	480.0
Limit (dB)	11.8	9.6	9.6	9.6
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	12.1	11.2	12.3	11.2
Freq. (MHz)	371.0	481.0	489.0	481.0
Limit (dB)	8.9	6.6	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	5.3	5.0	20.8	15.2
Freq. (MHz)	3.1	3.3	463.0	489.0
Limit (dB)	61.1	60.7	-20.3	-22.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.4	6.5	20.2	16.8
Freq. (MHz)	3.3	3.3	463.0	489.0
Limit (dB)	58.2	58.2	-23.2	-25.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.5	5.2	6.3	8.9
Freq. (MHz)	6.3	8.6	483.0	491.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-A

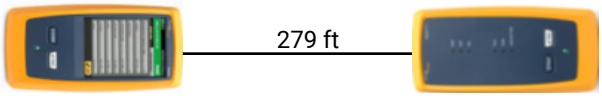
Test Summary: PASS

Date / Time: 12/04/2022 04:28:06 PM
Headroom: 1.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

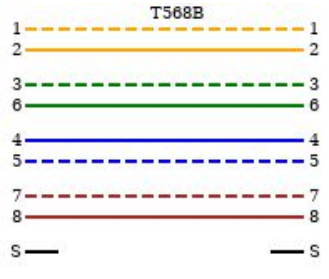
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

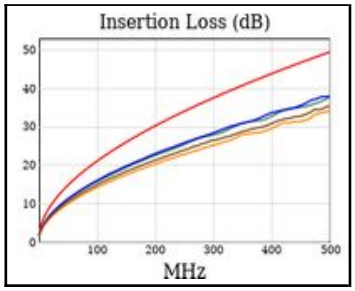
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	443
Delay Skew (ns), Limit 50	[Pair 4,5]	27
Resistance (ohms)	[Pair 3,6]	15.9
Insertion Loss Margin (dB)	[Pair 4,5]	11.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

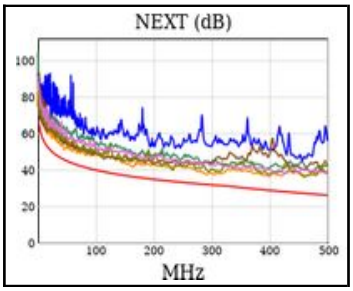


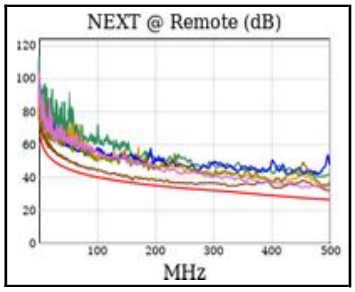
PASS



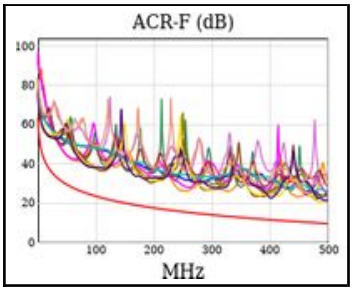


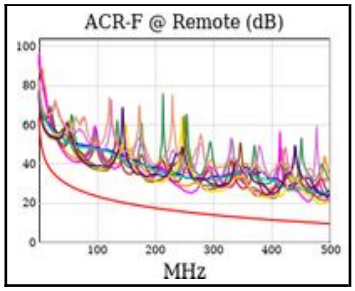
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.7	1.5	8.9	5.5
Freq. (MHz)	3.4	161.5	460.0	498.0
Limit (dB)	64.2	36.4	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.6	3.8	8.4	5.5
Freq. (MHz)	3.4	161.5	460.0	498.0
Limit (dB)	61.7	33.5	24.2	23.3



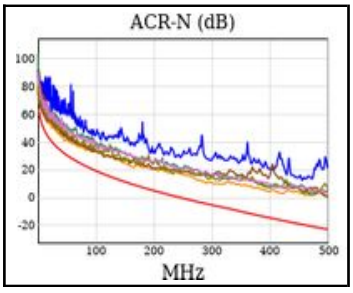


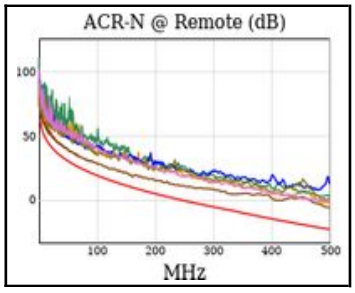
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.6	9.8	10.8	9.8
Freq. (MHz)	255.0	489.0	489.0	489.0
Limit (dB)	15.1	9.5	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.5	11.4	10.5
Freq. (MHz)	401.0	500.0	499.0	500.0
Limit (dB)	8.2	6.3	6.3	6.3



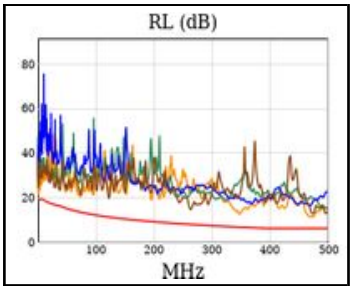


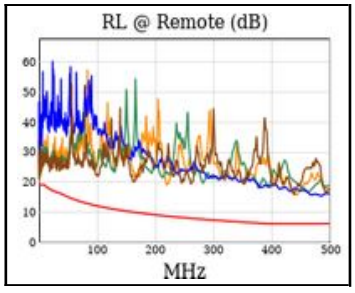
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	5.7	5.1	23.3	16.9
Freq. (MHz)	3.4	3.3	500.0	498.0
Limit (dB)	60.4	60.7	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	5.6	6.1	22.8	17.3
Freq. (MHz)	3.4	4.6	500.0	498.0
Limit (dB)	57.9	55.1	-26.1	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	5.1	4.4	5.1	9.3
Freq. (MHz)	471.0	5.4	471.0	487.0
Limit (dB)	6.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-B

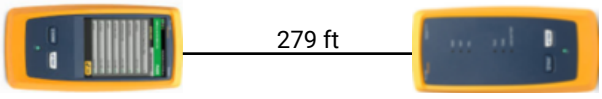
Test Summary: PASS

Date / Time: 12/04/2022 04:29:05 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

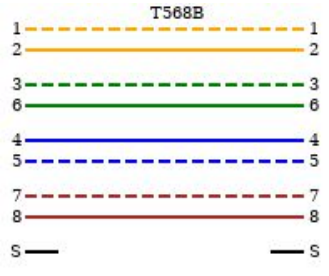
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	445
Delay Skew (ns), Limit 50	[Pair 4,5]	29
Resistance (ohms)	[Pair 3,6]	25.4
Insertion Loss Margin (dB)	[Pair 4,5]	11.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3



PASS

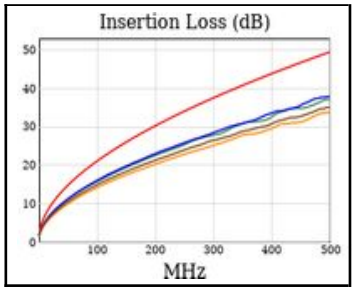


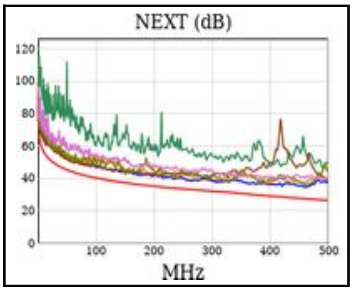
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	3,6-4,5
NEXT (dB)	4.7	2.6	7.1	6.3
Freq. (MHz)	4.5	151.5	460.0	492.0
Limit (dB)	62.2	36.9	27.1	26.3
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.6	4.1	7.2	7.2
Freq. (MHz)	150.5	196.5	463.0	491.0
Limit (dB)	34.0	32.0	24.1	23.4

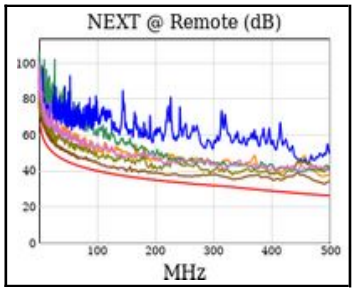
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.1	10.0	9.1
Freq. (MHz)	488.0	488.0	488.0	488.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	9.9	10.9	9.9	11.0
Freq. (MHz)	491.0	488.0	491.0	492.0
Limit (dB)	6.4	6.5	6.4	6.4

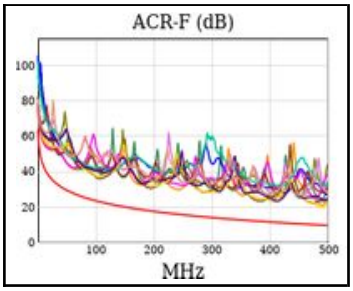
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	5.8	5.6	23.7	17.6
Freq. (MHz)	3.4	3.4	500.0	492.0
Limit (dB)	60.4	60.4	-23.2	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	6.0	6.1	24.1	19.1
Freq. (MHz)	3.4	3.4	500.0	491.0
Limit (dB)	57.9	57.9	-26.1	-25.4

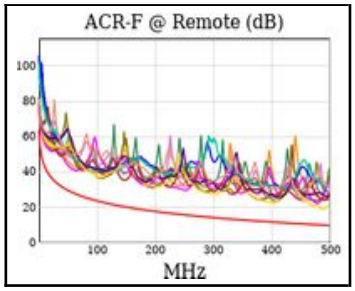
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	4,5
RL (dB)	4.5	2.3	7.3	9.8
Freq. (MHz)	47.3	3.8	481.0	488.0
Limit (dB)	15.3	19.0	6.0	6.0

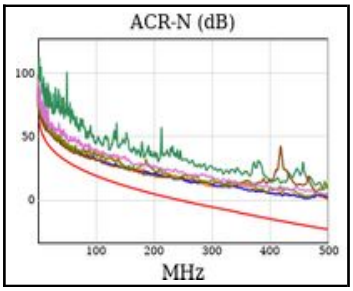


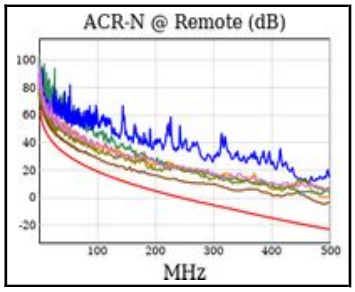


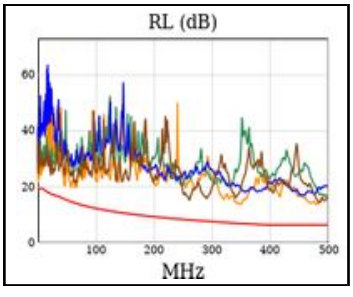


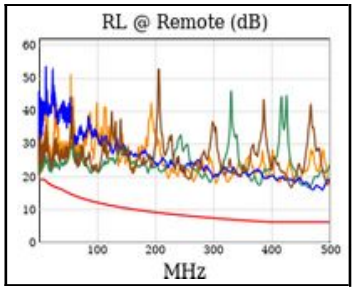












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 126-A

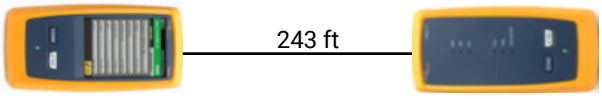
Test Summary: PASS

Date / Time: 12/04/2022 05:22:43 PM
Headroom: 6.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

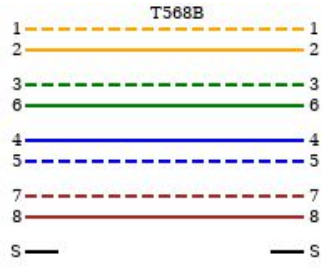
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

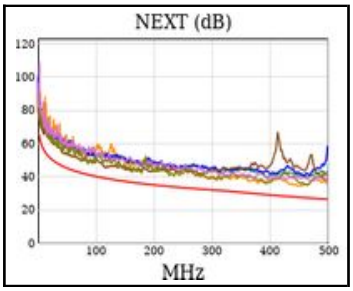
Length (ft), Limit 328	[Pair 1,2]	243
Prop. Delay (ns), Limit 555	[Pair 4,5]	386
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 7,8]	16.0
Insertion Loss Margin (dB)	[Pair 4,5]	16.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

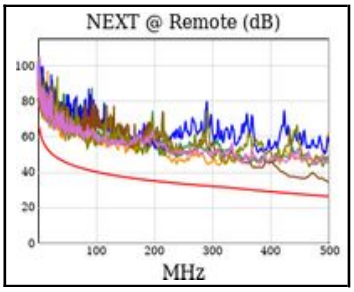


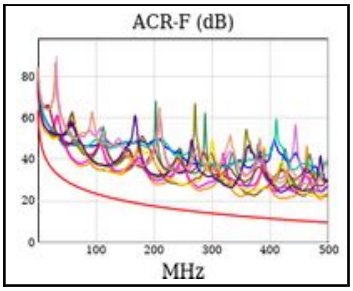
PASS

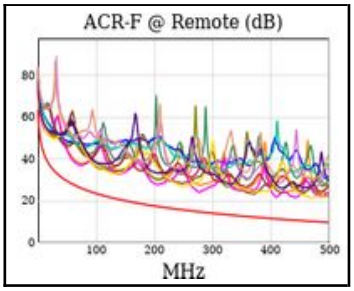


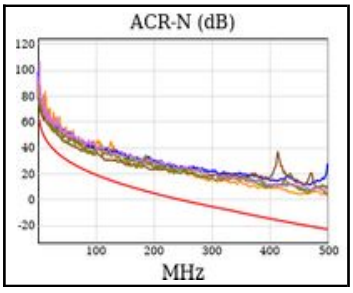


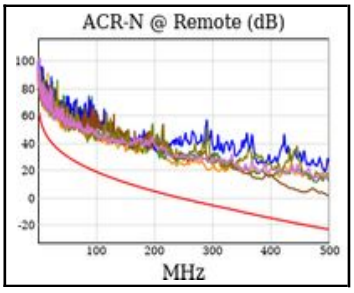


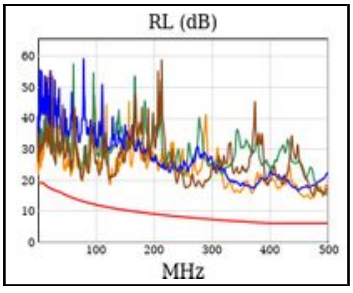


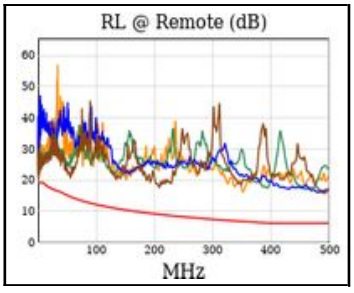












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	6.1	8.1	6.7	8.1
Freq. (MHz)	310.0	500.0	452.0	500.0
Limit (dB)	31.5	26.1	27.3	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.8	10.4	7.3	10.5
Freq. (MHz)	295.0	499.0	454.0	500.0
Limit (dB)	28.9	23.3	24.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-F (dB)	9.4	9.4	11.1	11.2
Freq. (MHz)	350.0	279.0	488.0	473.0
Limit (dB)	12.4	14.3	9.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.3	11.5	11.9
Freq. (MHz)	5.6	2.8	490.0	492.0
Limit (dB)	45.3	51.5	6.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	12.9	26.2	24.5
Freq. (MHz)	5.0	2.8	500.0	500.0
Limit (dB)	56.9	61.5	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.9	12.9	26.1	26.9
Freq. (MHz)	5.3	4.0	500.0	500.0
Limit (dB)	53.9	56.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.0	4.0	7.9	9.6
Freq. (MHz)	6.3	6.0	471.0	496.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 124-B

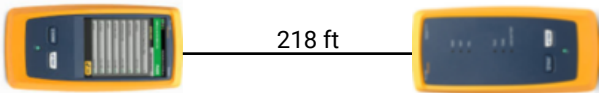
Test Summary: PASS

Date / Time: 11/27/2022 01:35:30 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

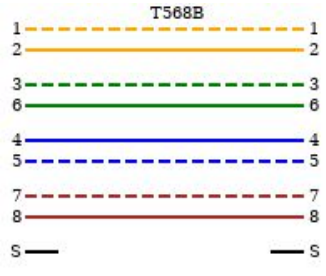
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

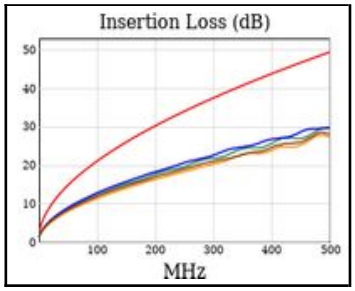
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

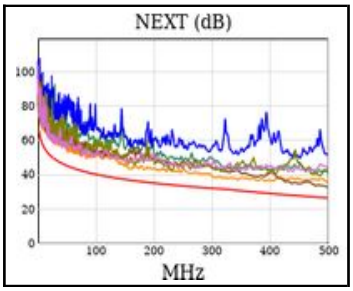
Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	344
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	15.5
Insertion Loss Margin (dB)	[Pair 4,5]	19.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

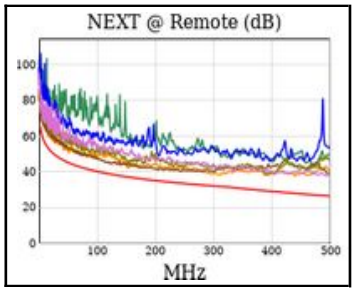


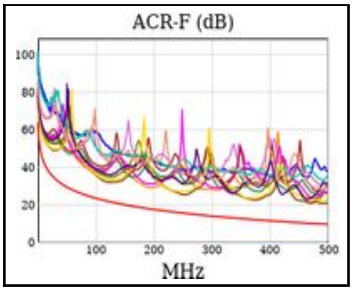
PASS

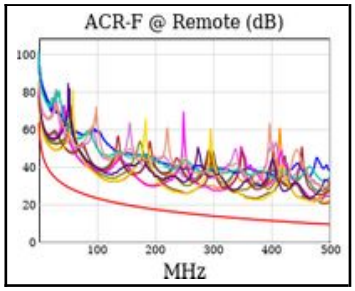


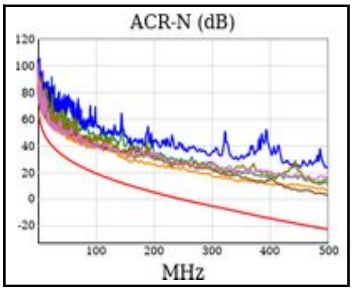


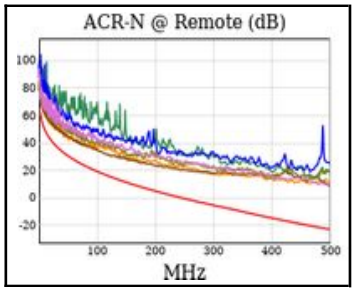


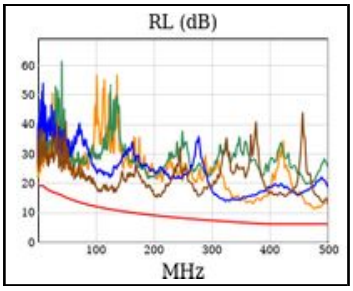


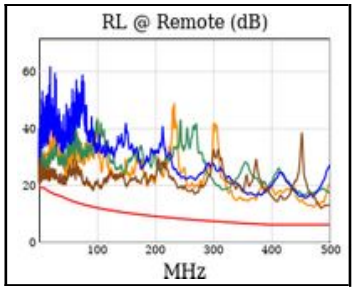












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	4.9	6.1	9.7
Freq. (MHz)	319.0	154.0	500.0	440.0
Limit (dB)	31.3	36.7	26.1	27.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	4.6	7.0	8.2
Freq. (MHz)	319.0	153.5	500.0	393.0
Limit (dB)	28.3	33.9	23.2	26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	4,5-3,6
ACR-F (dB)	9.8	10.3	10.3	11.0
Freq. (MHz)	256.0	248.0	473.0	494.0
Limit (dB)	15.1	15.4	9.8	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.4	10.3	10.5
Freq. (MHz)	472.0	484.0	472.0	486.0
Limit (dB)	6.8	6.6	6.8	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.6	8.0	25.6	31.5
Freq. (MHz)	4.6	4.8	500.0	500.0
Limit (dB)	57.6	57.3	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	8.4	26.9	30.9
Freq. (MHz)	4.8	4.4	500.0	496.0
Limit (dB)	54.8	55.6	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.8	3.0	5.3	5.7
Freq. (MHz)	105.5	9.9	478.0	486.0
Limit (dB)	11.8	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-A

Test Summary: PASS

Date / Time: 11/23/2022 05:06:06 PM
Headroom: 1.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	81
Prop. Delay (ns), Limit 555	[Pair 4,5]	128
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	4.3
Insertion Loss Margin (dB)	[Pair 3,6]	36.6
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	1.2	1.3	5.0	3.9
Freq. (MHz)	69.5	69.5	493.0	500.0
Limit (dB)	42.6	42.6	26.3	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	3.8	3.9	5.6	5.5
Freq. (MHz)	69.5	69.8	493.0	484.0
Limit (dB)	39.8	39.8	23.4	23.6

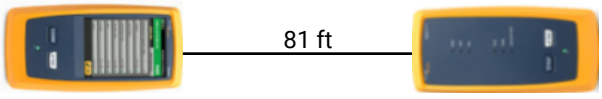
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	8.8	10.1	8.9
Freq. (MHz)	375.0	381.0	432.0	389.0
Limit (dB)	11.8	11.6	10.5	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.5	12.3	12.3
Freq. (MHz)	5.9	5.9	481.0	478.0
Limit (dB)	44.9	44.9	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.0	8.6	42.9	41.9
Freq. (MHz)	4.5	4.4	493.0	500.0
Limit (dB)	57.8	58.1	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	10.8	42.3	42.6
Freq. (MHz)	4.5	4.4	493.0	493.0
Limit (dB)	55.3	55.6	-25.5	-25.5

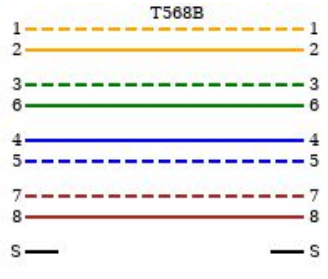
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.2	6.3	6.3	6.4
Freq. (MHz)	135.5	278.0	415.0	422.0
Limit (dB)	10.7	7.6	6.0	6.0

Compliant Network Standards:

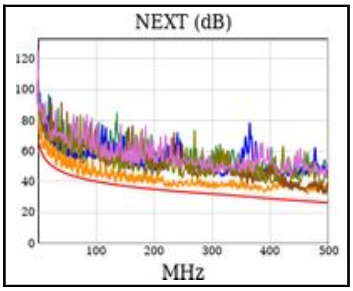
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

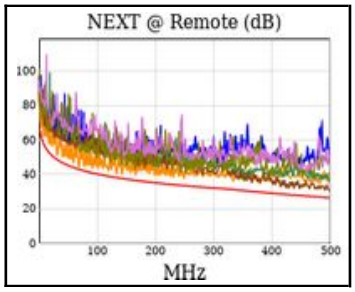


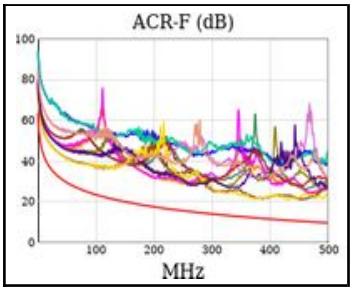
PASS

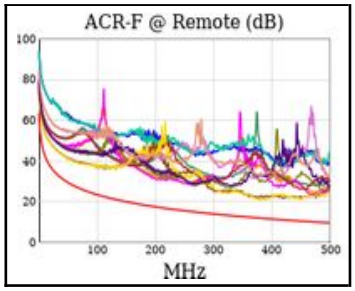


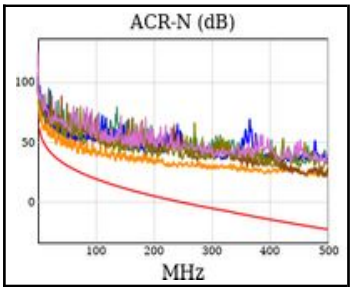


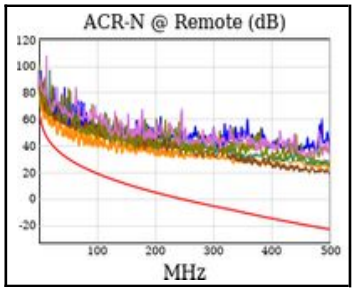


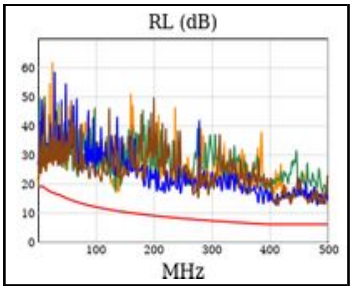


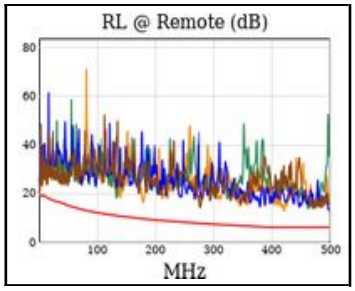












FLUKE networks

LinkWare Live

Cable ID: 125-B

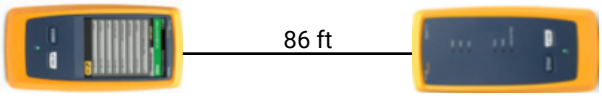
Test Summary: PASS

Date / Time: 11/23/2022 05:06:36 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

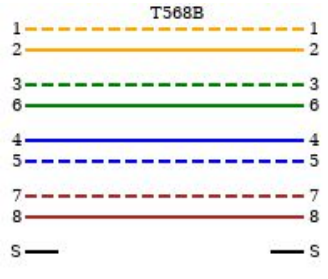
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

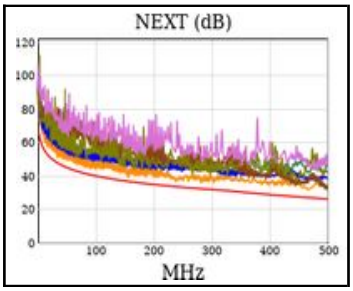
Length (ft), Limit 328	[Pair 1,2]	86
Prop. Delay (ns), Limit 555	[Pair 4,5]	135
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	5.2
Insertion Loss Margin (dB)	[Pair 3,6]	36.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

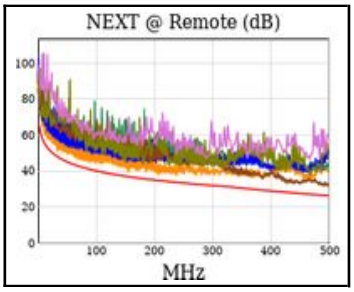


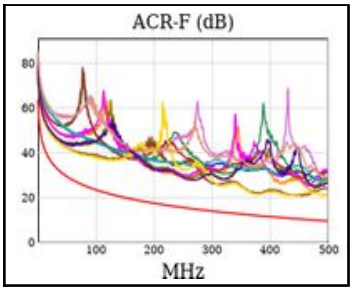
PASS

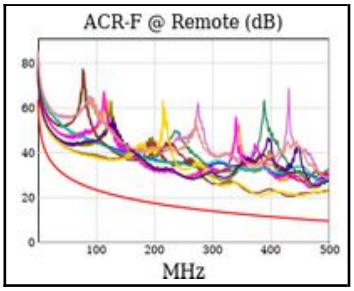


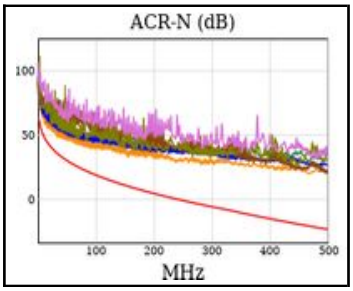


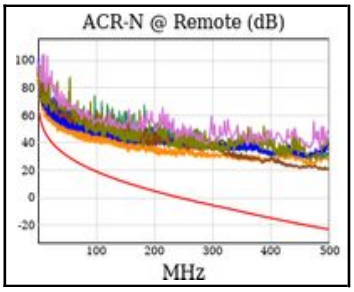


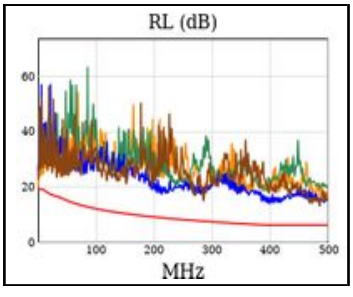


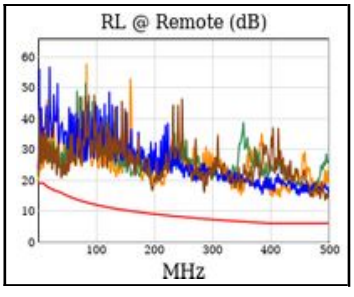












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.3	2.6	4.5	4.9
Freq. (MHz)	156.0	156.0	466.0	492.0
Limit (dB)	36.6	36.6	26.9	26.3
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	3.9	4.4	6.0	7.3
Freq. (MHz)	156.0	156.0	500.0	500.0
Limit (dB)	33.7	33.7	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.3	9.0	9.7	9.7
Freq. (MHz)	382.0	386.0	431.0	435.0
Limit (dB)	11.6	11.5	10.6	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	11.5	11.8
Freq. (MHz)	477.0	8.5	485.0	469.0
Limit (dB)	6.7	41.7	6.5	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.6	10.5	43.1	42.3
Freq. (MHz)	12.9	12.6	500.0	492.0
Limit (dB)	47.4	47.7	-23.2	-22.6
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.9	11.8	42.7	44.0
Freq. (MHz)	12.9	4.1	500.0	500.0
Limit (dB)	44.8	56.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.8	5.5	6.8	7.3
Freq. (MHz)	486.0	41.8	486.0	494.0
Limit (dB)	6.0	15.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-A

Test Summary: PASS

Date / Time: 11/21/2022 05:53:10 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	245
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.8	2.6	5.0	4.2
Freq. (MHz)	73.5	234.5	496.0	490.0
Limit (dB)	42.2	33.6	26.2	26.3
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	6.4	4.4	6.7	6.3
Freq. (MHz)	372.0	233.0	495.0	490.0
Limit (dB)	26.6	30.7	23.3	23.5

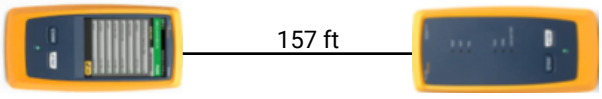
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-7,8	7,8-3,6
ACR-F (dB)	10.8	10.9	13.0	12.0
Freq. (MHz)	338.0	339.0	492.0	492.0
Limit (dB)	12.7	12.7	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	12.7	12.9
Freq. (MHz)	333.0	2.6	477.0	482.0
Limit (dB)	9.8	51.9	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	9.1	33.8	31.5
Freq. (MHz)	4.5	4.4	496.0	490.0
Limit (dB)	57.8	58.1	-22.9	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	10.8	34.1	34.0
Freq. (MHz)	4.3	4.3	495.0	490.0
Limit (dB)	55.8	55.8	-25.7	-25.3

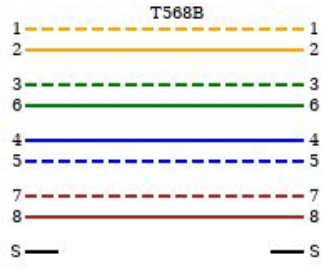
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.3	4.5	6.8	6.7
Freq. (MHz)	51.3	18.0	470.0	462.0
Limit (dB)	14.9	17.7	6.0	6.0

Compliant Network Standards:

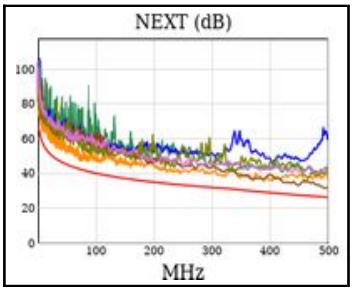
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

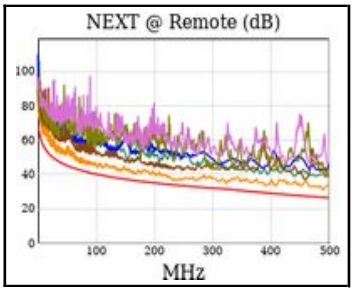


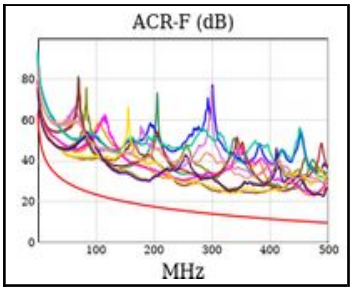
PASS

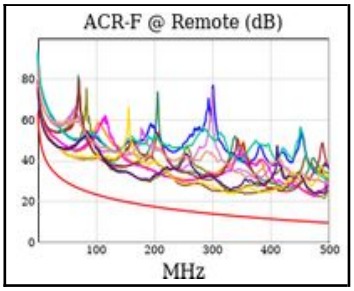


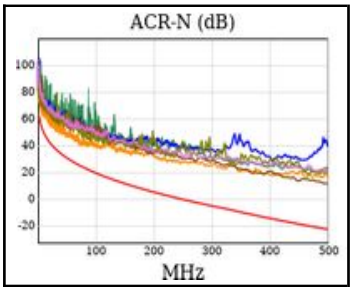


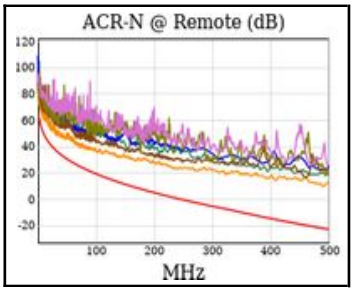


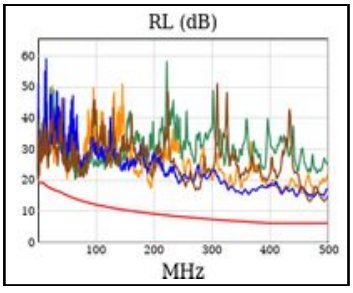


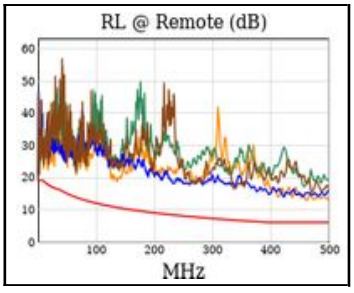












FLUKE networks

LinkWare Live

Cable ID: 125-B

Test Summary: PASS

Date / Time: 11/21/2022 05:56:35 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	245
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	2.7	3.6	5.6
Freq. (MHz)	493.0	235.0	500.0	473.0
Limit (dB)	26.3	33.6	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	5.1	4.9	7.9
Freq. (MHz)	496.0	235.0	496.0	499.0
Limit (dB)	23.3	30.6	23.3	23.3

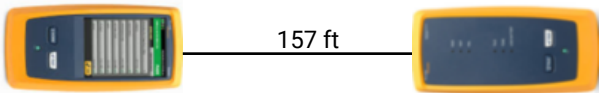
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	11.1	11.1	12.9	13.5
Freq. (MHz)	309.0	305.0	475.0	475.0
Limit (dB)	13.5	13.6	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	12.0	13.5	15.3
Freq. (MHz)	326.0	2.8	490.0	500.0
Limit (dB)	10.0	51.5	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.6	8.8	32.4	33.5
Freq. (MHz)	4.3	4.4	500.0	482.0
Limit (dB)	58.3	58.1	-23.2	-21.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	9.8	32.5	35.7
Freq. (MHz)	4.3	4.3	496.0	499.0
Limit (dB)	55.8	55.8	-25.8	-26.0

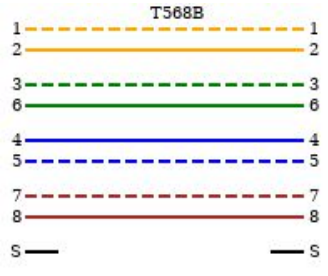
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.8	7.8	6.9	8.4
Freq. (MHz)	67.3	18.3	499.0	493.0
Limit (dB)	13.7	17.7	6.0	6.0

Compliant Network Standards:

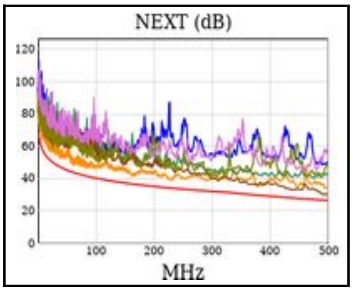
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

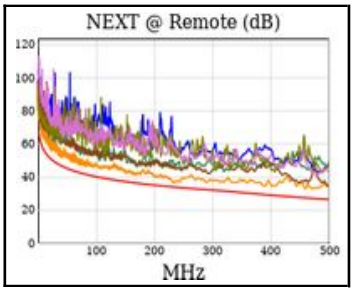


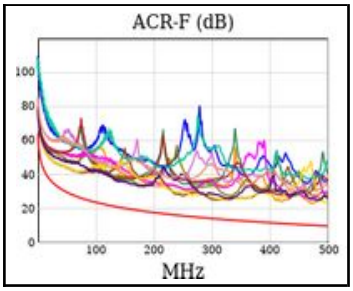
PASS

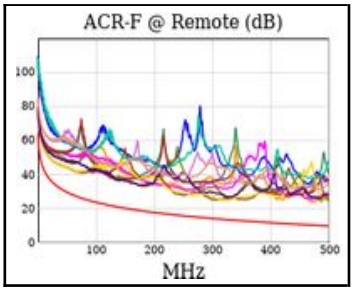


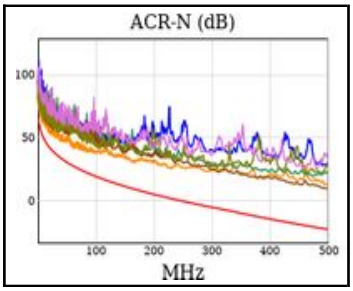


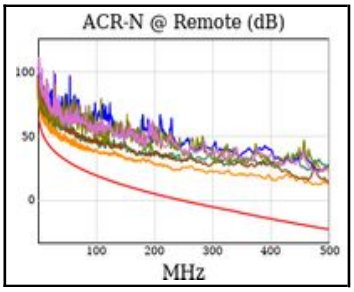


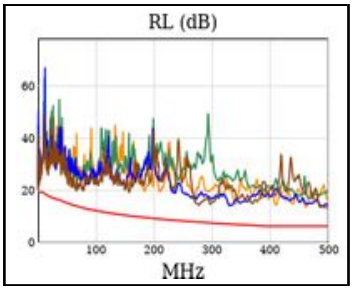


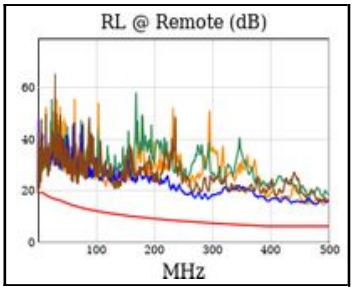












FLUKE networks

LinkWare Live

Cable ID: 124-B

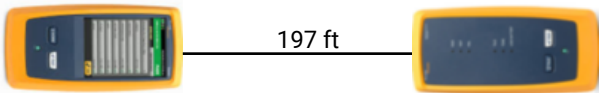
Test Summary: PASS

Date / Time: 11/22/2022 05:17:05 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

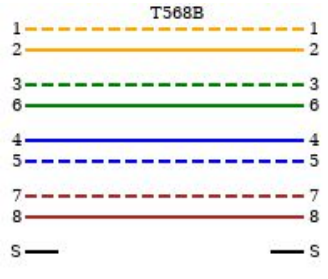
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

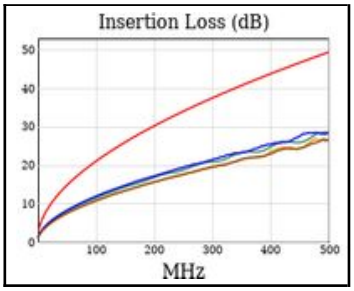
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

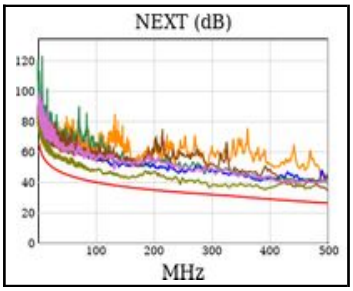
Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 3,6]	305
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

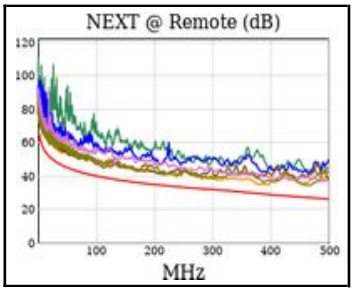


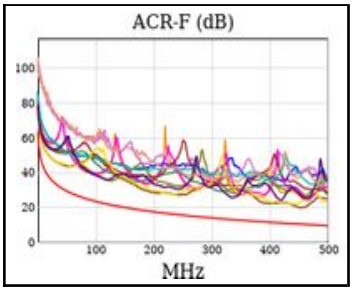
PASS

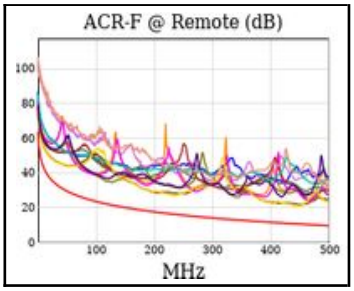


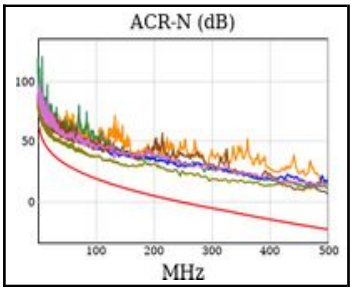


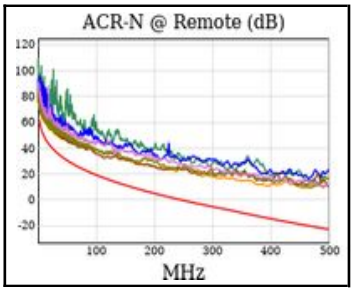


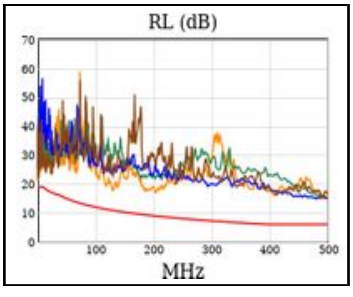


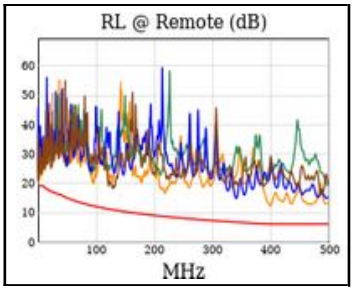












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.3	5.5	8.3	7.3
Freq. (MHz)	296.0	382.0	500.0	465.0
Limit (dB)	31.8	29.3	26.1	27.0
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	6.5	4.8	9.1	7.0
Freq. (MHz)	296.0	114.0	500.0	458.0
Limit (dB)	28.9	36.1	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	10.5	9.5	10.5
Freq. (MHz)	455.0	452.0	455.0	452.0
Limit (dB)	10.1	10.2	10.1	10.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.6	11.6	11.7	11.6
Freq. (MHz)	420.0	465.0	457.0	465.0
Limit (dB)	7.8	6.9	7.1	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.2	8.9	29.3	31.3
Freq. (MHz)	3.4	3.3	500.0	491.0
Limit (dB)	60.4	60.7	-23.2	-22.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.6	7.2	30.1	28.0
Freq. (MHz)	3.4	3.3	500.0	465.0
Limit (dB)	57.9	58.2	-26.1	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	5.9	5.0	8.7	6.2
Freq. (MHz)	15.0	9.3	489.0	400.0
Limit (dB)	18.1	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 126-A

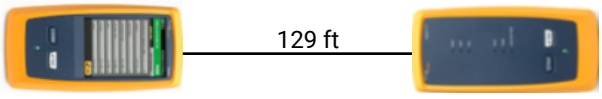
Test Summary: PASS

Date / Time: 11/22/2022 05:21:21 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

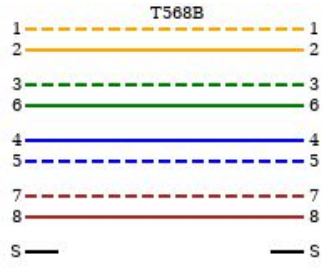
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	129
Prop. Delay (ns), Limit 555	[Pair 3,6]	200
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8



PASS

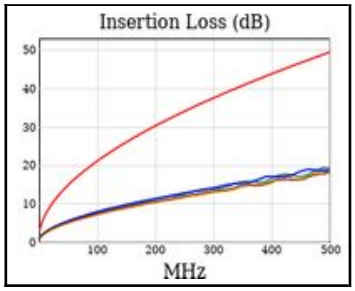


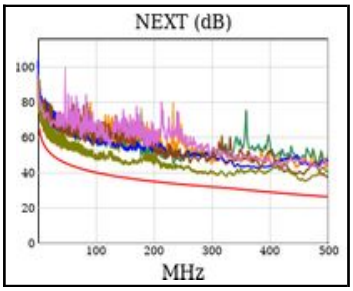
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	6.3	5.2	7.7	9.4
Freq. (MHz)	277.0	302.0	462.0	500.0
Limit (dB)	32.3	31.7	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.0	5.4	9.3	7.7
Freq. (MHz)	5.3	308.0	462.0	457.0
Limit (dB)	58.6	28.6	24.1	24.3

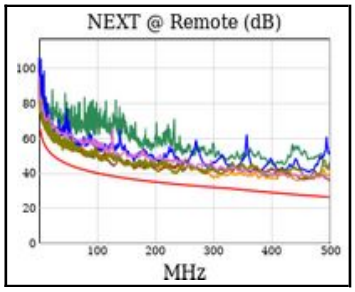
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	1,2-3,6
ACR-F (dB)	9.2	9.7	10.2	12.1
Freq. (MHz)	323.0	323.0	377.0	468.0
Limit (dB)	13.1	13.1	11.7	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.5	11.1	12.9
Freq. (MHz)	320.0	323.0	326.0	424.0
Limit (dB)	10.2	10.1	10.0	7.7

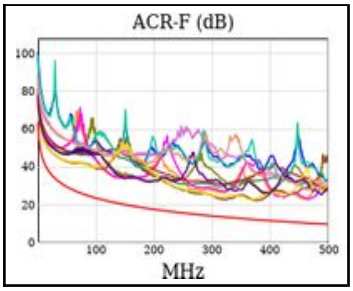
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	10.7	11.6	38.1	40.0
Freq. (MHz)	5.5	5.3	462.0	500.0
Limit (dB)	56.0	56.4	-20.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.1	10.6	42.0	40.3
Freq. (MHz)	5.3	5.0	499.0	500.0
Limit (dB)	53.9	54.3	-26.0	-26.1

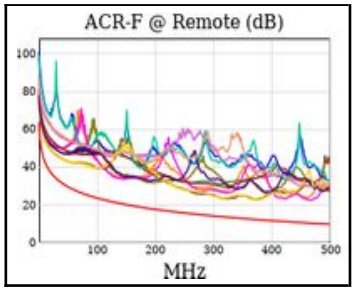
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.0	3.7	4.0	7.1
Freq. (MHz)	430.0	19.9	430.0	488.0
Limit (dB)	6.0	17.5	6.0	6.0

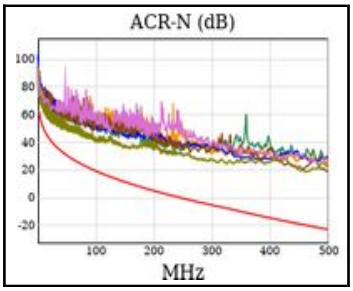


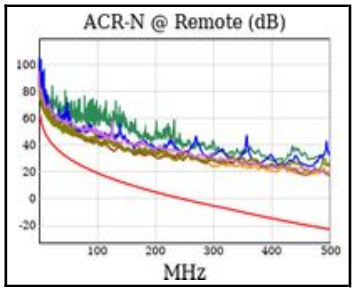


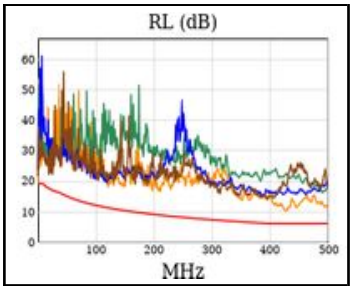


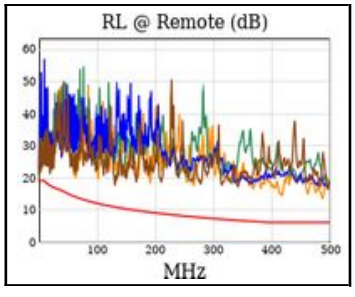












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-A

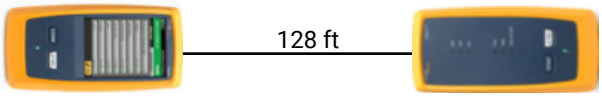
Test Summary: PASS

Date / Time: 11/21/2022 01:40:15 PM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

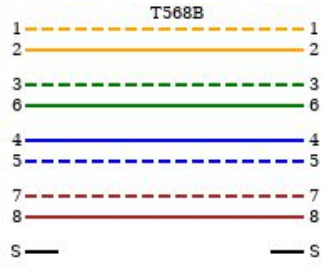
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	128
Prop. Delay (ns), Limit 555	[Pair 3,6]	198
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 4,5]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

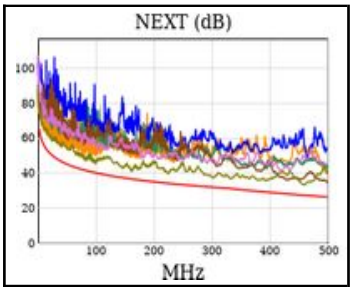


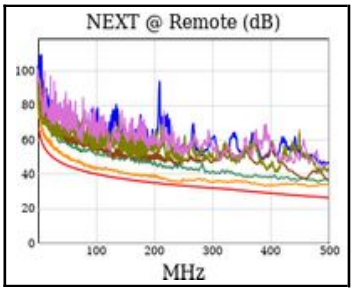
PASS



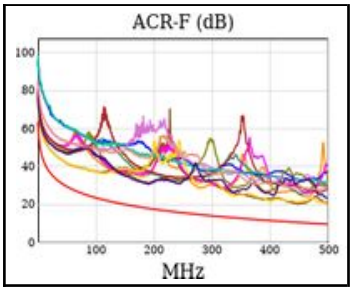


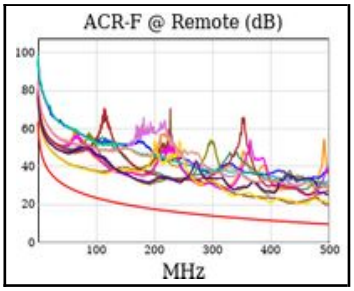
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	4.6	1.8	5.9	5.8
Freq. (MHz)	164.0	236.5	461.0	469.0
Limit (dB)	36.3	33.5	27.1	26.9
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	6.8	4.1	7.3	7.2
Freq. (MHz)	100.5	230.5	461.0	482.0
Limit (dB)	37.0	30.8	24.2	23.7



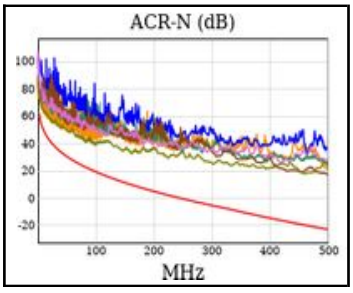


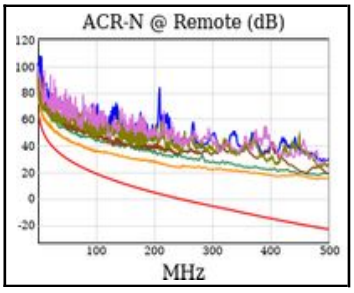
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	9.6	10.5	10.2
Freq. (MHz)	449.0	401.0	500.0	498.0
Limit (dB)	10.2	11.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.7	11.8	11.8
Freq. (MHz)	406.0	1.0	500.0	463.0
Limit (dB)	8.1	60.3	6.3	6.9



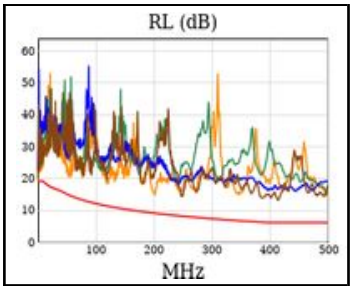


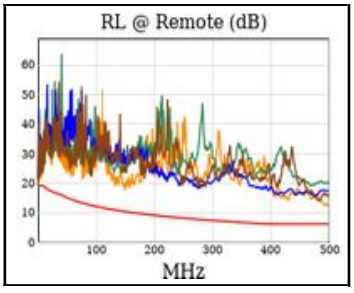
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	9.2	39.6	36.4
Freq. (MHz)	3.0	5.3	500.0	481.0
Limit (dB)	61.4	56.4	-23.2	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.8	39.4	39.1
Freq. (MHz)	2.8	5.3	500.0	500.0
Limit (dB)	58.5	53.9	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.8	6.2	6.8	6.2
Freq. (MHz)	202.5	500.0	414.0	500.0
Limit (dB)	8.9	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 125-B

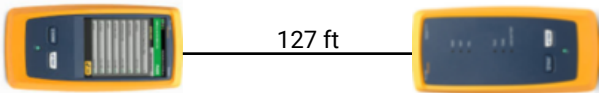
Test Summary: PASS

Date / Time: 11/21/2022 01:40:45 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF3

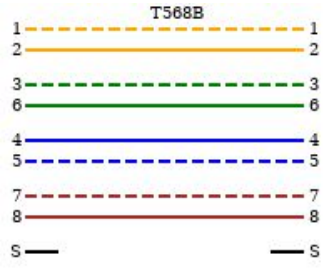
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 3,6]	197
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 4,5]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	30.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

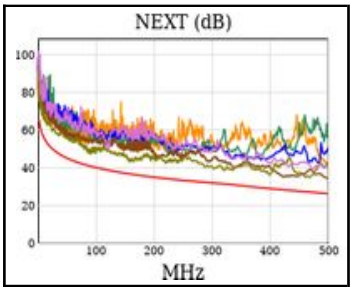


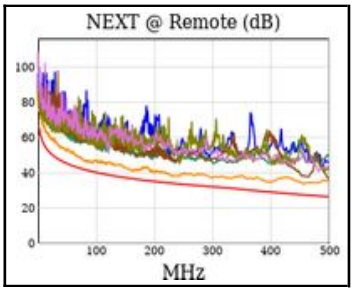
PASS



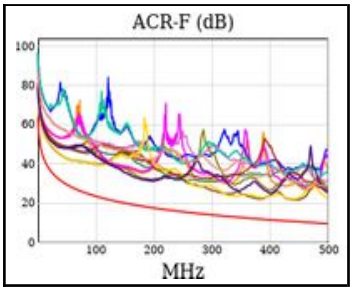


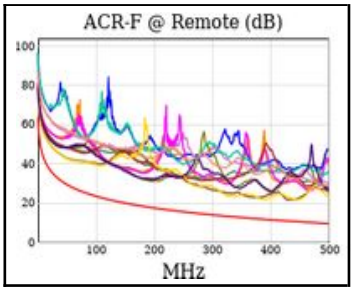
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.2	3.8	7.8	6.3
Freq. (MHz)	158.5	231.0	500.0	460.0
Limit (dB)	36.5	33.7	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.1	6.0	9.4	7.8
Freq. (MHz)	89.0	243.5	499.0	459.0
Limit (dB)	38.0	30.4	23.3	24.2



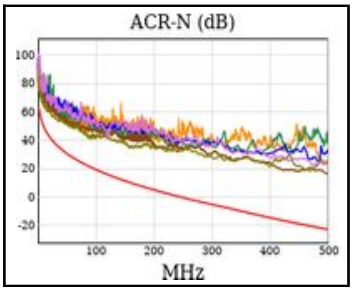


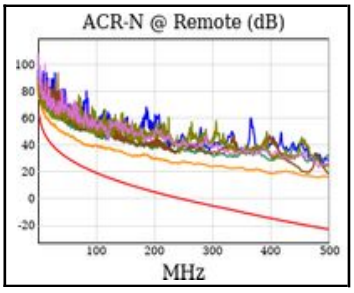
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.1	10.9	10.7
Freq. (MHz)	379.0	387.0	447.0	431.0
Limit (dB)	11.7	11.5	10.3	10.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.3	12.6	12.9	12.8
Freq. (MHz)	339.0	334.0	447.0	430.0
Limit (dB)	9.7	9.8	7.3	7.6



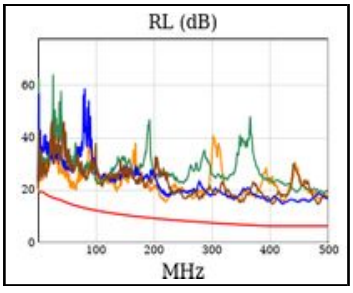


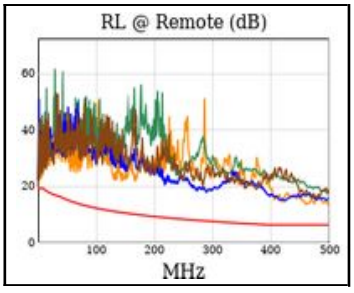
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.5	11.8	39.0	37.3
Freq. (MHz)	2.6	2.9	500.0	484.0
Limit (dB)	61.6	61.4	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	11.8	39.7	39.2
Freq. (MHz)	2.6	2.9	499.0	500.0
Limit (dB)	58.6	58.4	-26.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.9	6.9	8.1	6.9
Freq. (MHz)	66.8	500.0	484.0	500.0
Limit (dB)	13.8	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 126-1-A

Test Summary: PASS

Date / Time: 12/17/2022 12:58:41 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	100
Prop. Delay (ns), Limit 555	[Pair 4,5]	157
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	34.7
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	7.3	7.0	7.4
Freq. (MHz)	228.5	33.0	469.0	499.0
Limit (dB)	33.8	48.0	26.9	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.9	7.7	7.9	9.7
Freq. (MHz)	228.5	247.0	495.0	499.0
Limit (dB)	30.8	30.2	23.3	23.3

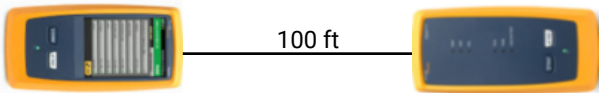
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.6	9.9	12.4	11.7
Freq. (MHz)	320.0	320.0	469.0	406.0
Limit (dB)	13.2	13.2	9.8	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.7	13.8	12.5
Freq. (MHz)	255.0	254.0	469.0	408.0
Limit (dB)	12.1	12.2	6.8	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	12.2	11.4	41.2	43.2
Freq. (MHz)	3.1	3.3	469.0	499.0
Limit (dB)	61.1	60.7	-20.8	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.1	10.8	42.5	44.7
Freq. (MHz)	3.3	3.4	495.0	499.0
Limit (dB)	58.2	57.9	-25.7	-26.0

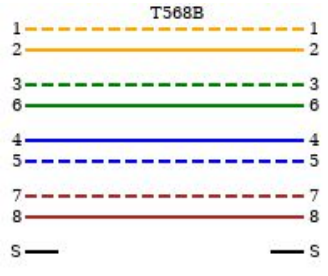
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.8	7.3	4.8	7.3
Freq. (MHz)	500.0	496.0	500.0	496.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

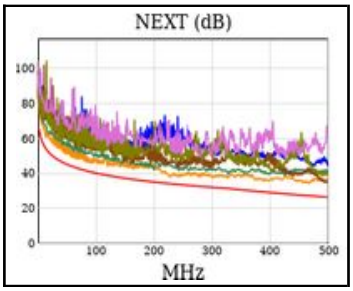
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

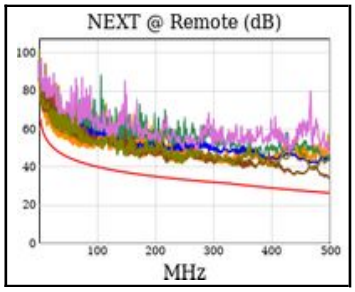


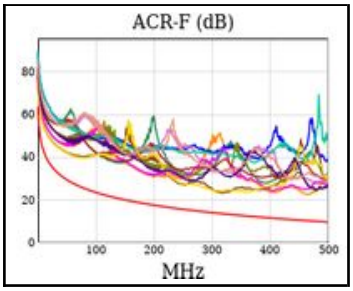
PASS

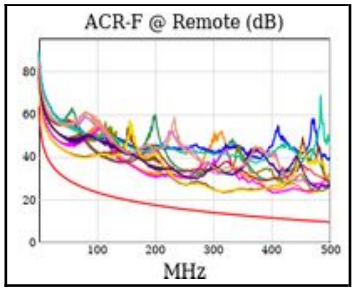


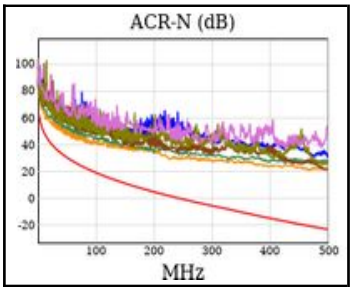


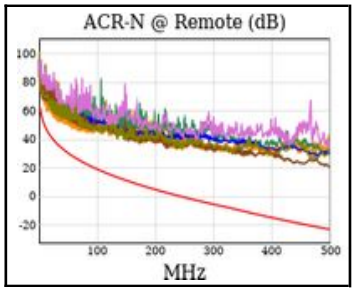


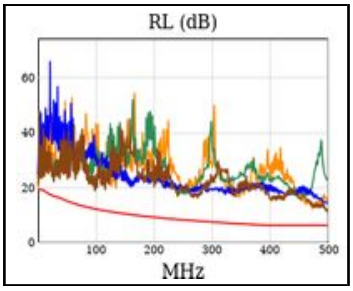


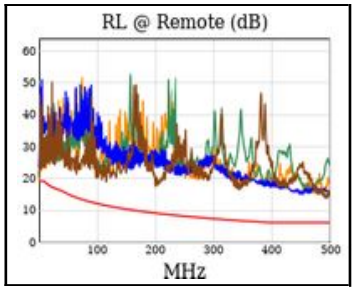












FLUKE networks

LinkWare Live

Cable ID: 126-1-B

Test Summary: PASS

Date / Time: 12/17/2022 12:58:58 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	157
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	34.8
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.4	4.8	7.4	8.7
Freq. (MHz)	263.0	55.5	500.0	498.0
Limit (dB)	32.7	44.2	26.1	26.1
Worst Pair	1,2	1,2	3,6	4,5
PS NEXT (dB)	5.8	6.8	7.7	8.3
Freq. (MHz)	263.0	55.5	500.0	498.0
Limit (dB)	29.8	41.5	23.2	23.3

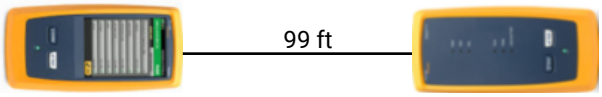
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.2	10.9	11.7
Freq. (MHz)	251.0	248.5	500.0	500.0
Limit (dB)	15.3	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	11.1	12.3	13.6
Freq. (MHz)	248.5	255.0	500.0	500.0
Limit (dB)	12.4	12.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.6	8.3	43.2	44.5
Freq. (MHz)	3.6	3.6	500.0	498.0
Limit (dB)	59.8	59.8	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.3	9.7	42.4	44.1
Freq. (MHz)	3.6	3.6	498.0	498.0
Limit (dB)	57.3	57.3	-25.9	-25.9

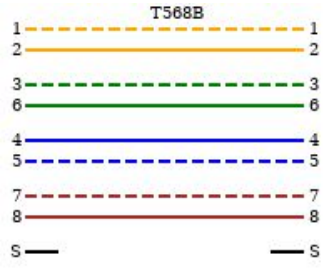
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	3.1	4.7	5.1	7.7
Freq. (MHz)	38.8	38.8	484.0	495.0
Limit (dB)	16.1	16.1	6.0	6.0

Compliant Network Standards:

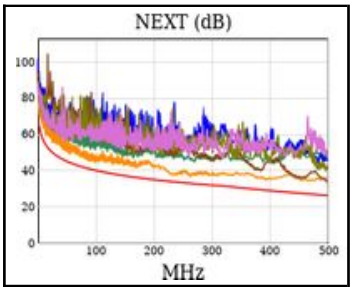
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

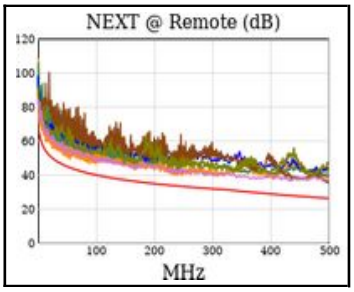


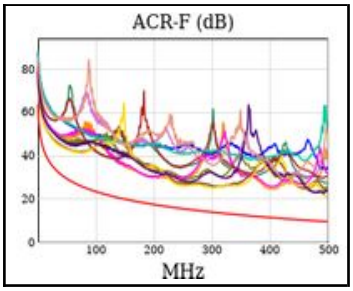
PASS

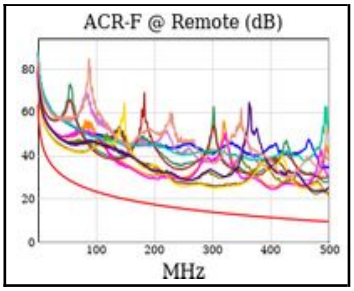


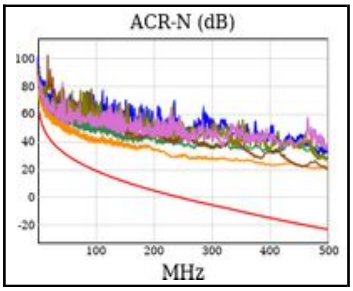


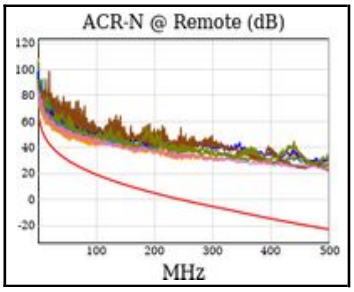


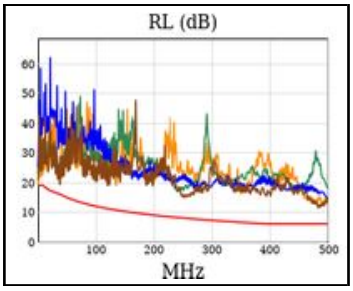


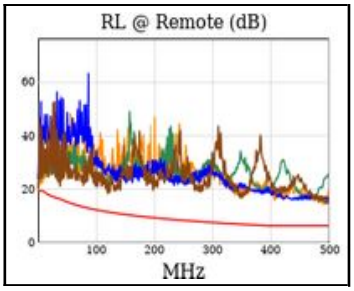












FLUKE networks

LinkWare Live

Cable ID: 126-2-A

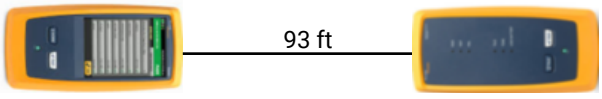
Test Summary: PASS

Date / Time: 12/17/2022 12:54:45 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

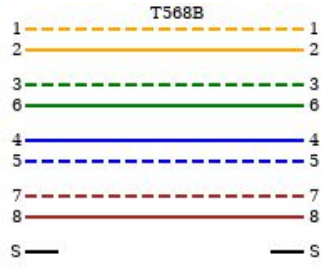
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	93
Prop. Delay (ns), Limit 555	[Pair 4,5]	146
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	34.9
Frequency (MHz)	[Pair 3,6]	484.0
Limit (dB)	[Pair 3,6]	48.4

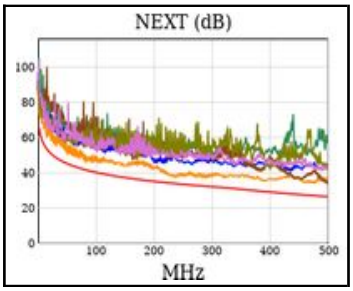


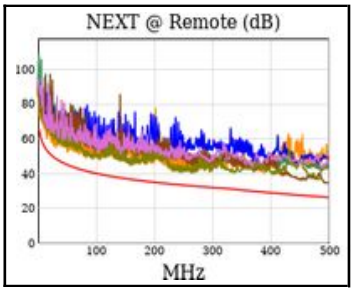
PASS



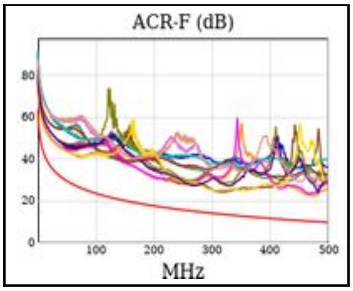


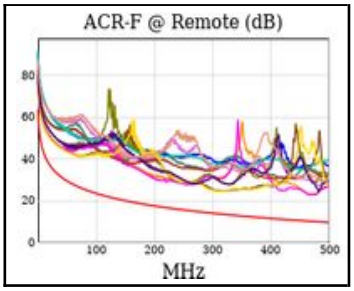
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.6	6.5	7.2	7.9
Freq. (MHz)	236.5	28.1	500.0	497.0
Limit (dB)	33.5	49.2	26.1	26.2
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.1	7.0	7.7	9.7
Freq. (MHz)	236.5	268.0	497.0	481.0
Limit (dB)	30.6	29.6	23.3	23.7



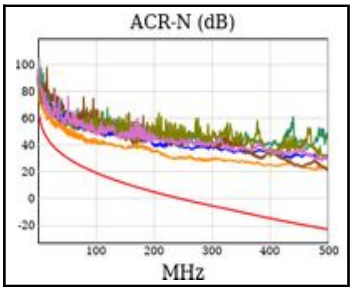


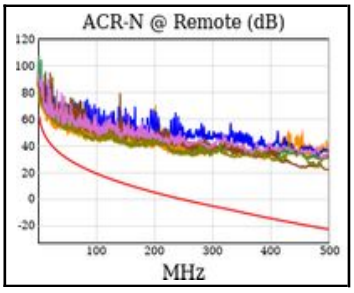
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	10.5	10.6	12.4	12.8
Freq. (MHz)	313.0	309.0	478.0	478.0
Limit (dB)	13.3	13.5	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.1	13.3	14.9
Freq. (MHz)	264.0	260.0	483.0	476.0
Limit (dB)	11.8	12.0	6.6	6.7



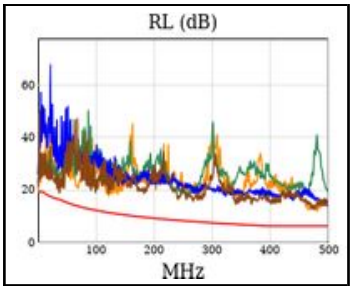


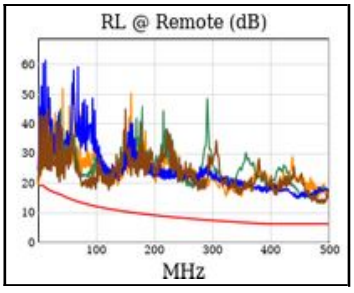
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.6	11.4	43.8	44.5
Freq. (MHz)	4.1	4.0	500.0	497.0
Limit (dB)	58.6	58.9	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	11.3	43.6	44.8
Freq. (MHz)	3.6	3.6	497.0	481.0
Limit (dB)	57.3	57.3	-25.8	-24.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	2.5	4.1	5.6	6.7
Freq. (MHz)	38.3	38.0	483.0	492.0
Limit (dB)	16.1	16.1	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 126-2-B

Test Summary: PASS

Date / Time: 12/17/2022 12:55:04 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	92
Prop. Delay (ns), Limit 555	[Pair 4,5]	146
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	5.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.9
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.7	6.6	7.4	7.8
Freq. (MHz)	224.5	244.5	498.0	499.0
Limit (dB)	33.9	33.3	26.1	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.9	8.2	7.6	9.1
Freq. (MHz)	244.5	244.5	498.0	499.0
Limit (dB)	30.3	30.3	23.3	23.3

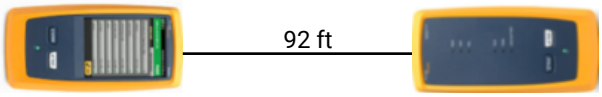
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.6	10.5	9.7
Freq. (MHz)	370.0	378.0	421.0	382.0
Limit (dB)	11.9	11.7	10.8	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.1	11.6	11.1
Freq. (MHz)	363.0	371.0	421.0	371.0
Limit (dB)	9.1	8.9	7.8	8.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.8	12.7	44.2	44.6
Freq. (MHz)	7.5	7.8	498.0	499.0
Limit (dB)	53.0	52.7	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.9	12.6	43.5	45.6
Freq. (MHz)	7.3	3.4	498.0	499.0
Limit (dB)	50.8	57.9	-25.9	-26.0

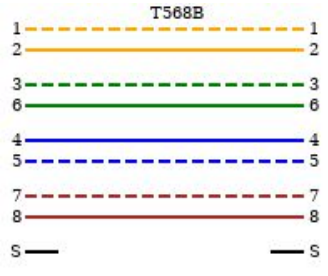
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.9	5.7	4.9	6.6
Freq. (MHz)	484.0	99.8	484.0	480.0
Limit (dB)	6.0	12.0	6.0	6.0

Compliant Network Standards:

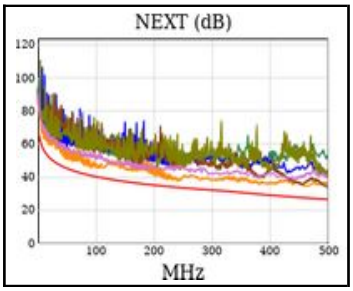
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

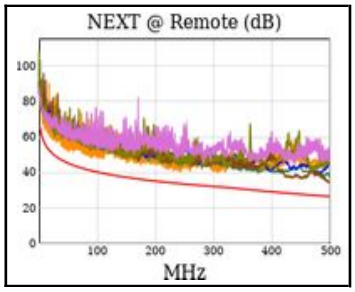


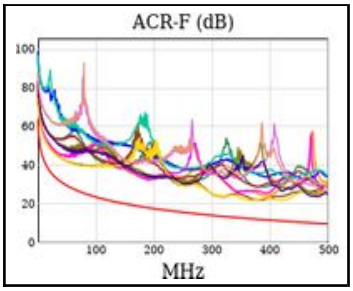
PASS

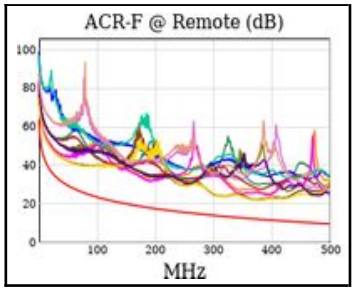


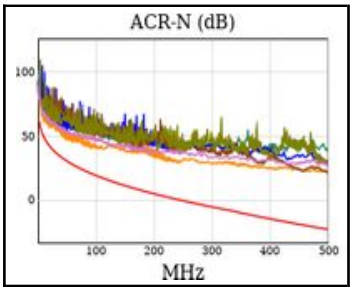


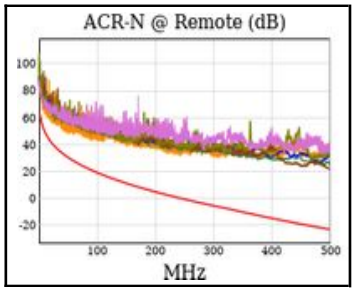


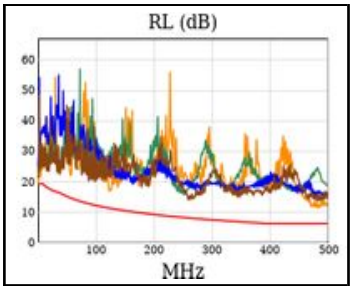


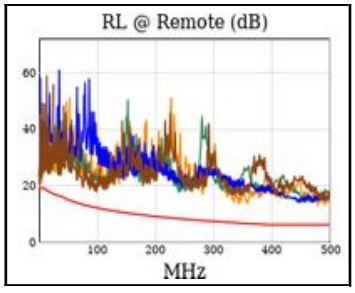












FLUKE networks

LinkWare Live

Cable ID: 128-1-A

Test Summary: PASS

Date / Time: 12/19/2022 02:32:09 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.2	6.5	8.7	6.5
Freq. (MHz)	230.5	499.0	397.0	499.0
Limit (dB)	33.7	26.1	28.8	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.7	7.4	10.1	7.4
Freq. (MHz)	168.0	496.0	465.0	496.0
Limit (dB)	33.2	23.3	24.1	23.3

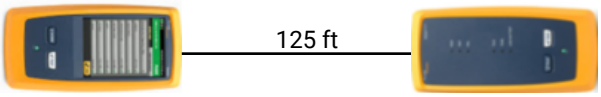
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.4	12.7	12.0
Freq. (MHz)	251.0	251.0	500.0	500.0
Limit (dB)	15.3	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.2	13.1	12.7
Freq. (MHz)	254.0	257.0	500.0	500.0
Limit (dB)	12.2	12.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	9.9	9.7	39.0	36.5
Freq. (MHz)	2.5	2.8	468.0	499.0
Limit (dB)	61.7	61.5	-20.7	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	10.6	38.9	37.6
Freq. (MHz)	5.3	2.8	465.0	499.0
Limit (dB)	53.9	58.5	-23.3	-26.0

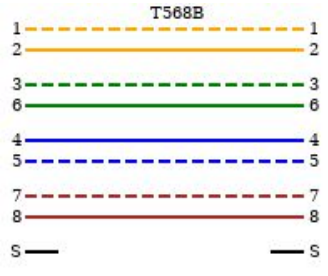
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	6.9	6.1	8.2	7.7
Freq. (MHz)	52.8	211.5	486.0	395.0
Limit (dB)	14.8	8.7	6.0	6.0

Compliant Network Standards:

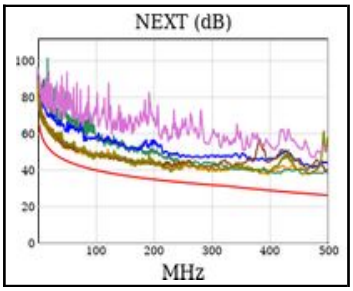
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

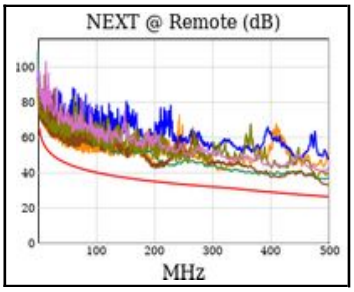


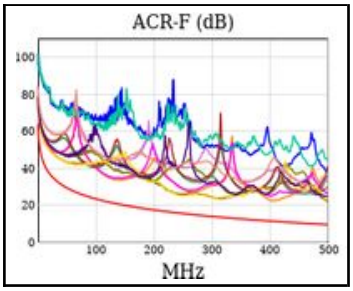
PASS

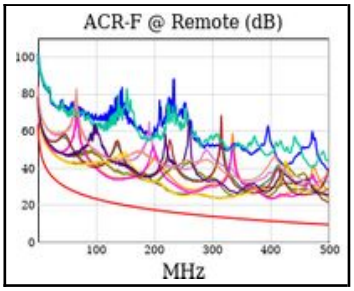


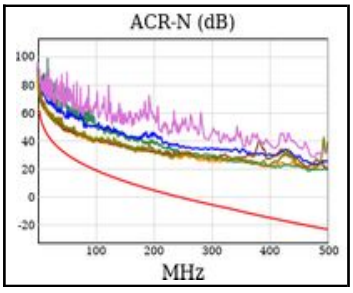


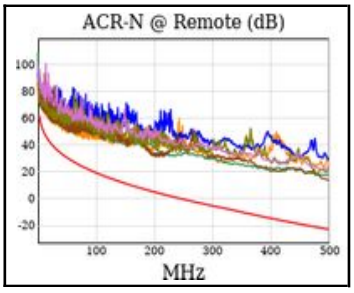


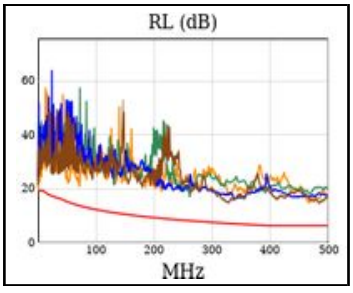


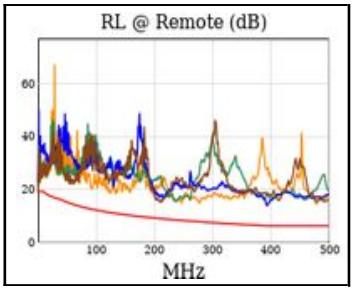












FLUKE networks

LinkWare Live

Cable ID: 128-1-B

Test Summary: PASS

Date / Time: 12/19/2022 02:32:30 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	197
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.5	7.8	9.4	9.1
Freq. (MHz)	226.0	2.8	461.0	500.0
Limit (dB)	33.9	65.0	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	8.2	7.9	9.3
Freq. (MHz)	227.0	5.3	384.0	500.0
Limit (dB)	30.9	58.6	26.3	23.2

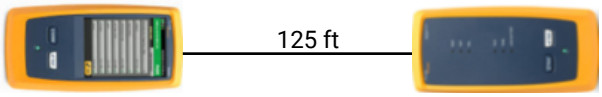
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	11.0	10.9	13.6	12.7
Freq. (MHz)	316.0	308.0	473.0	473.0
Limit (dB)	13.3	13.5	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.0	11.5	14.6	13.3
Freq. (MHz)	332.0	260.0	496.0	483.0
Limit (dB)	9.8	12.0	6.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	9.9	10.2	39.2	39.3
Freq. (MHz)	5.0	2.8	461.0	500.0
Limit (dB)	56.9	61.5	-20.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.4	11.3	39.6	39.5
Freq. (MHz)	5.1	5.3	461.0	500.0
Limit (dB)	54.1	53.9	-23.0	-26.1

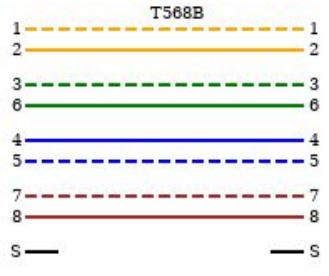
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.8	4.0	7.4	7.4
Freq. (MHz)	56.0	134.5	473.0	327.0
Limit (dB)	14.5	10.7	6.0	6.9

Compliant Network Standards:

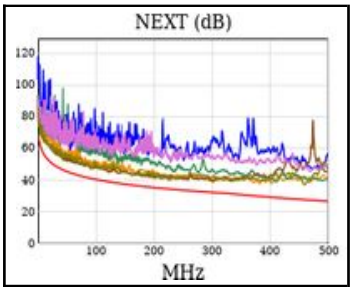
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

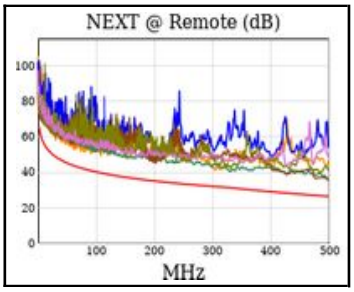


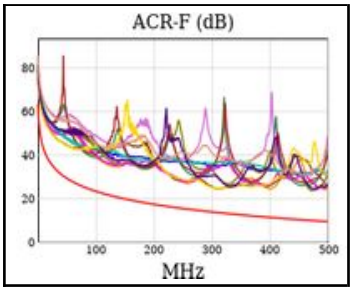
PASS

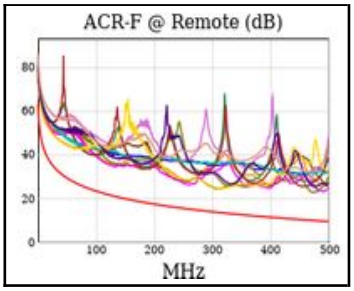


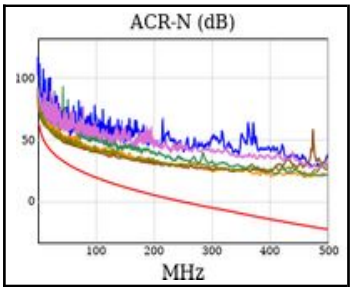


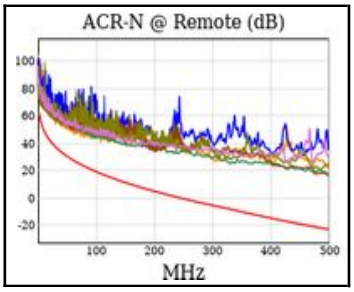


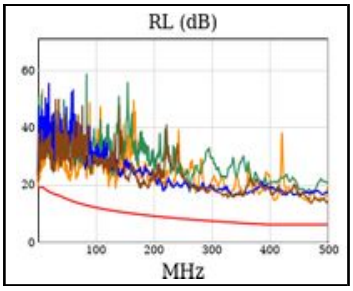


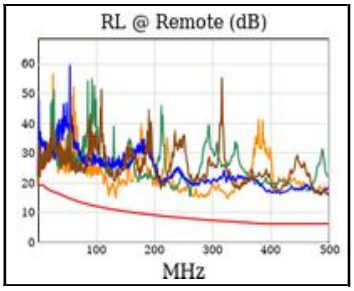












FLUKE networks

LinkWare Live

Cable ID: 126-A

Test Summary: PASS

Date / Time: 11/25/2022 06:13:36 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	172
Prop. Delay (ns), Limit 555	[Pair 3,6]	267
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	24.9
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.5	5.3	6.8	5.4
Freq. (MHz)	234.0	306.0	468.0	500.0
Limit (dB)	33.6	31.6	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	6.9	8.2	7.0
Freq. (MHz)	234.0	308.0	498.0	496.0
Limit (dB)	30.7	28.6	23.3	23.3

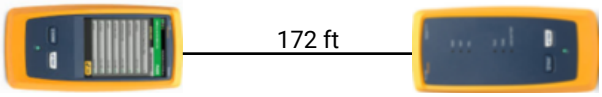
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.2	9.5	11.1	12.3
Freq. (MHz)	304.0	253.0	477.0	500.0
Limit (dB)	13.6	15.2	9.7	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.3	10.8	11.3
Freq. (MHz)	486.0	477.0	486.0	477.0
Limit (dB)	6.5	6.7	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.4	9.6	33.4	30.5
Freq. (MHz)	4.0	3.9	500.0	500.0
Limit (dB)	58.9	59.2	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.4	33.1	31.8
Freq. (MHz)	3.8	3.9	498.0	496.0
Limit (dB)	57.0	56.7	-25.9	-25.8

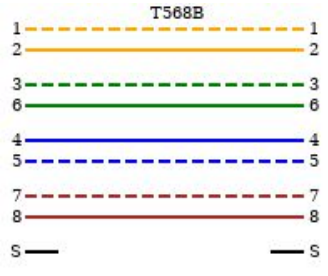
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.5	6.6	7.2	7.7
Freq. (MHz)	342.0	185.0	444.0	477.0
Limit (dB)	6.7	9.3	6.0	6.0

Compliant Network Standards:

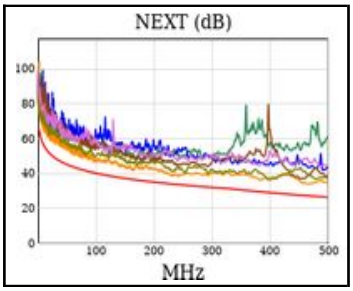
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

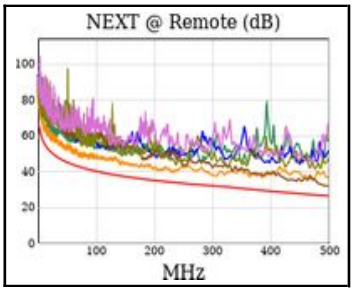


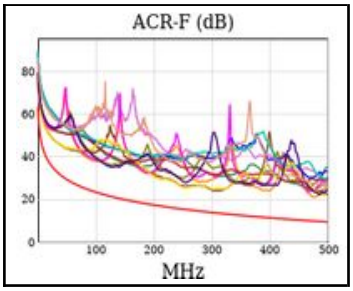
PASS

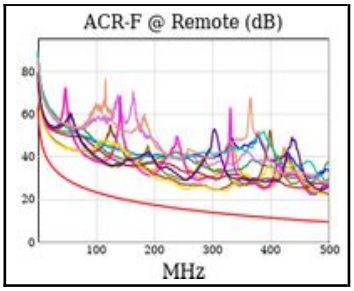


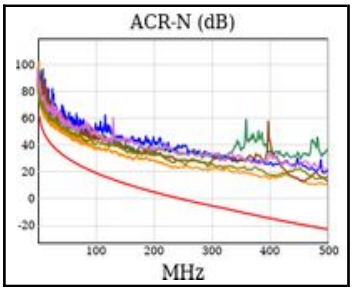


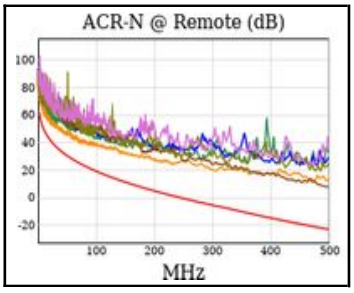


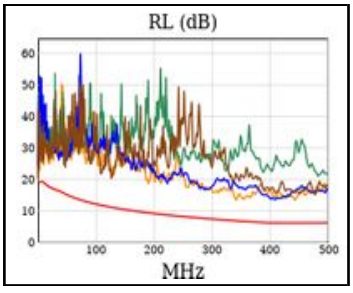


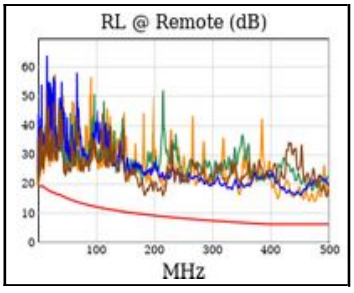












FLUKE networks

LinkWare Live

Cable ID: 126-B

Test Summary: PASS

Date / Time: 11/25/2022 06:13:58 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	172
Prop. Delay (ns), Limit 555	[Pair 3,6]	267
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	3.9	6.9	4.5
Freq. (MHz)	234.5	276.0	478.0	500.0
Limit (dB)	33.6	32.4	26.6	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.8	4.3	9.0	6.4
Freq. (MHz)	236.0	169.0	500.0	500.0
Limit (dB)	30.6	33.1	23.2	23.2

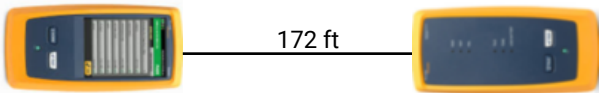
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.2	10.6	10.6
Freq. (MHz)	244.5	248.5	500.0	500.0
Limit (dB)	15.5	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.4	13.1	12.0
Freq. (MHz)	10.0	410.0	500.0	500.0
Limit (dB)	40.3	8.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	7.6	31.4	29.7
Freq. (MHz)	4.0	4.0	480.0	500.0
Limit (dB)	58.9	58.9	-21.6	-23.2
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	9.5	8.7	34.2	31.6
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	56.4	56.4	-26.1	-26.1

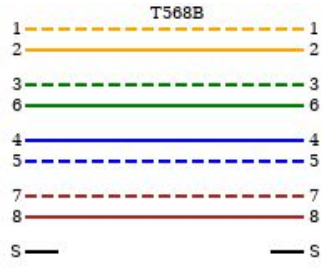
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	7.7	6.7	7.9	8.4
Freq. (MHz)	14.5	186.0	493.0	466.0
Limit (dB)	18.2	9.3	6.0	6.0

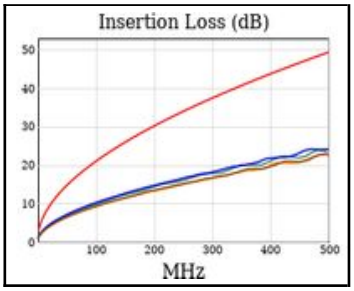
Compliant Network Standards:

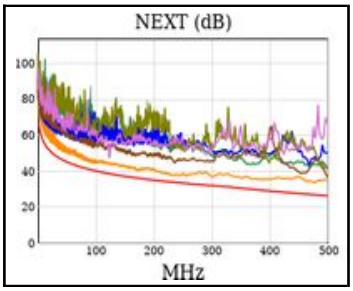
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

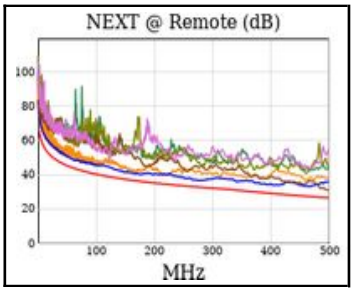


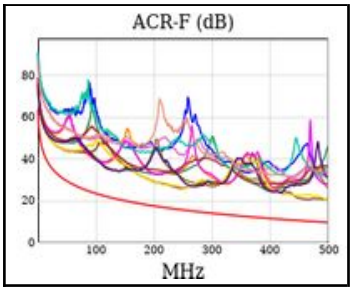
PASS

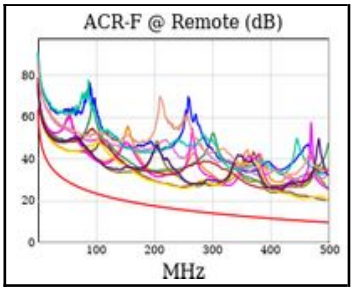


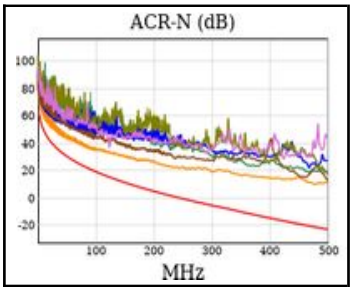


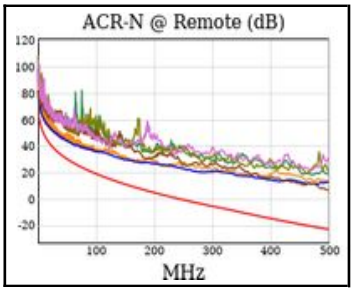


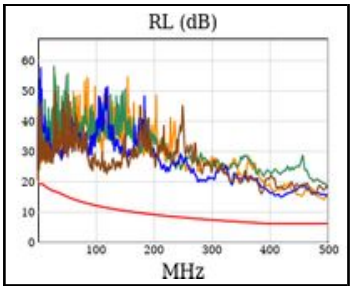


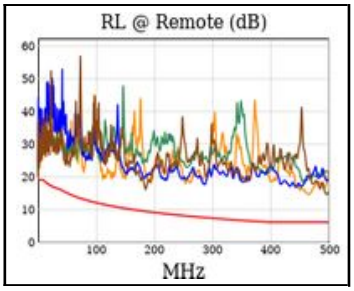












FLUKE networks

LinkWare Live

Cable ID: 127-A

Test Summary: PASS

Date / Time: 11/25/2022 06:19:27 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	141
Prop. Delay (ns), Limit 555	[Pair 3,6]	218
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	5.0	6.1	5.1
Freq. (MHz)	240.0	95.5	468.0	499.0
Limit (dB)	33.4	40.3	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	6.4	7.4	6.6
Freq. (MHz)	240.0	237.0	465.0	499.0
Limit (dB)	30.5	30.6	24.1	23.3

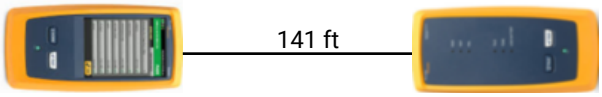
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.9	11.4	12.1
Freq. (MHz)	314.0	318.0	491.0	500.0
Limit (dB)	13.3	13.2	9.4	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.2	11.8	12.9
Freq. (MHz)	5.6	5.6	496.0	500.0
Limit (dB)	45.3	45.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	9.9	35.8	34.4
Freq. (MHz)	5.0	5.0	486.0	499.0
Limit (dB)	56.9	56.9	-22.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.9	37.5	35.7
Freq. (MHz)	4.8	4.8	499.0	499.0
Limit (dB)	54.8	54.8	-26.0	-26.0

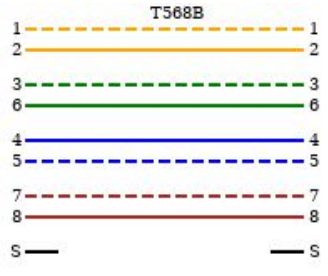
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	6.1	6.9	6.1	7.5
Freq. (MHz)	400.0	80.0	400.0	459.0
Limit (dB)	6.0	13.0	6.0	6.0

Compliant Network Standards:

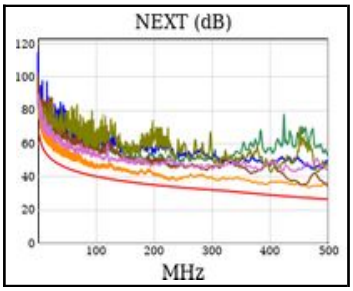
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

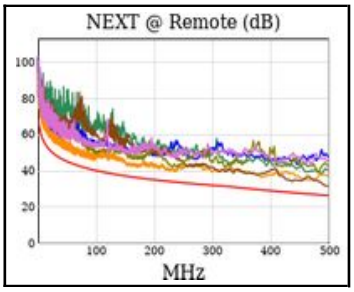


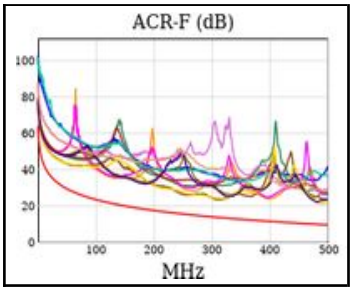
PASS

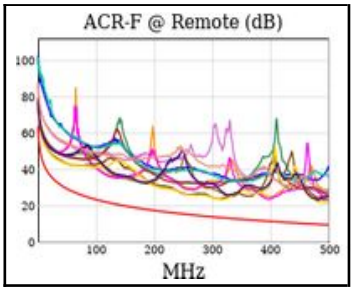


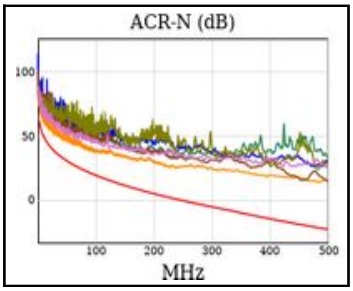


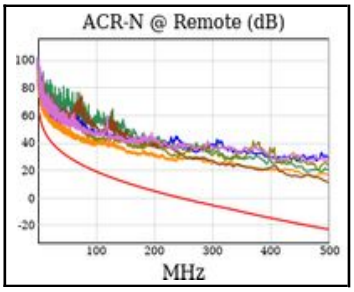


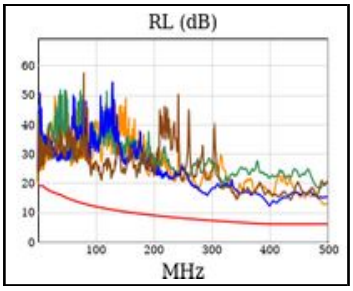


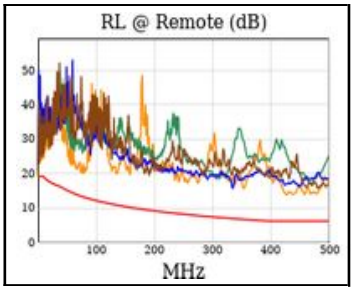












FLUKE networks

LinkWare Live

Cable ID: 127-B

Test Summary: PASS

Date / Time: 11/25/2022 06:19:52 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	217
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	8.0
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	4.7	5.9	5.7
Freq. (MHz)	86.5	89.0	495.0	496.0
Limit (dB)	41.0	40.8	26.2	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	6.6	7.5	7.3
Freq. (MHz)	89.0	225.0	495.0	465.0
Limit (dB)	38.0	31.0	23.3	24.1

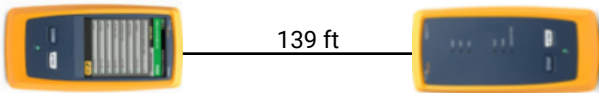
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.3	11.7	11.7
Freq. (MHz)	316.0	316.0	406.0	413.0
Limit (dB)	13.3	13.3	11.1	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.9	11.9	13.2
Freq. (MHz)	329.0	13.3	387.0	477.0
Limit (dB)	9.9	37.8	8.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.7	10.2	35.2	36.4
Freq. (MHz)	10.1	2.8	495.0	496.0
Limit (dB)	50.0	61.5	-22.8	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.3	11.6	36.8	37.6
Freq. (MHz)	7.3	2.8	495.0	496.0
Limit (dB)	50.8	58.5	-25.7	-25.8

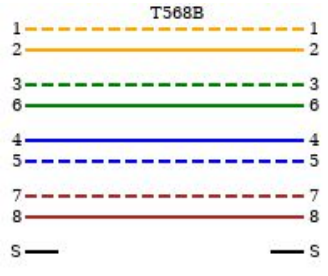
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.8	7.2	6.8	7.8
Freq. (MHz)	485.0	68.0	485.0	447.0
Limit (dB)	6.0	13.7	6.0	6.0

Compliant Network Standards:

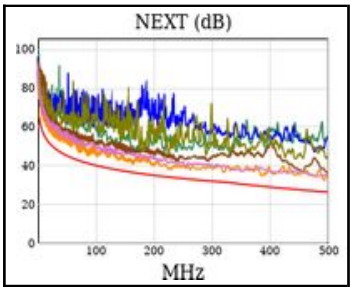
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

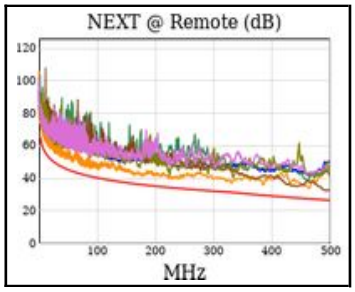


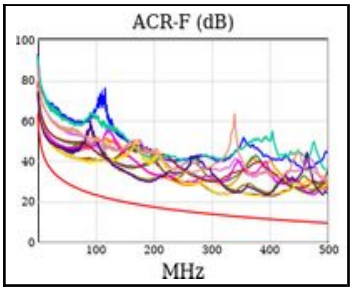
PASS

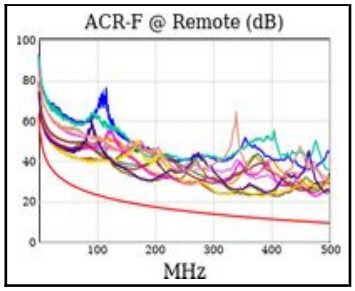


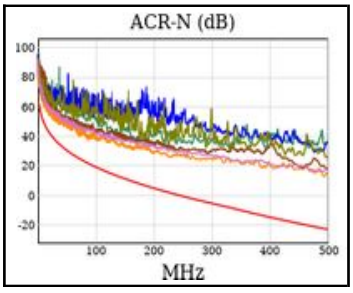


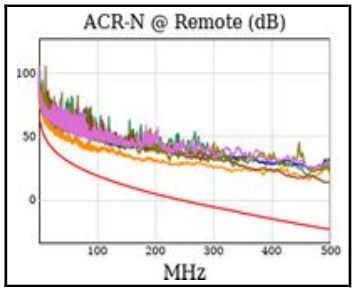


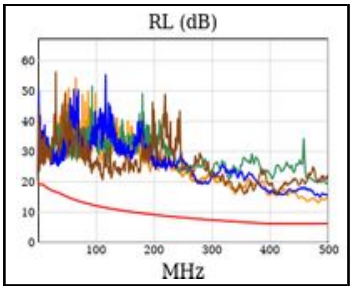


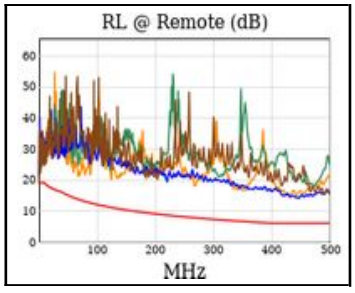












FLUKE networks

LinkWare Live

Cable ID: 126-B

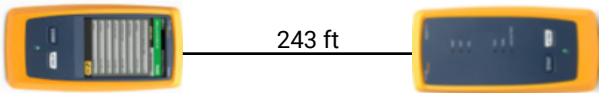
Test Summary: PASS

Date / Time: 12/04/2022 05:24:34 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

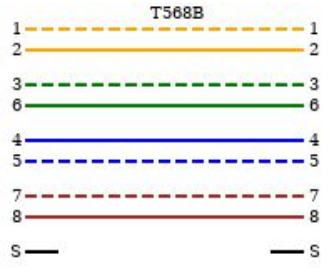
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

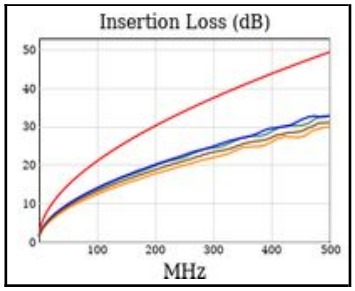
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

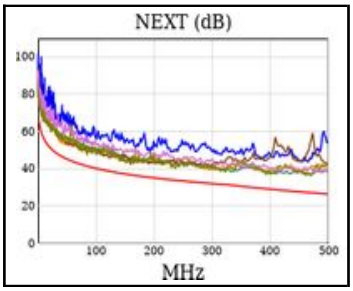
Length (ft), Limit 328	[Pair 1,2]	243
Prop. Delay (ns), Limit 555	[Pair 4,5]	386
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	17.1
Insertion Loss Margin (dB)	[Pair 3,6]	16.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

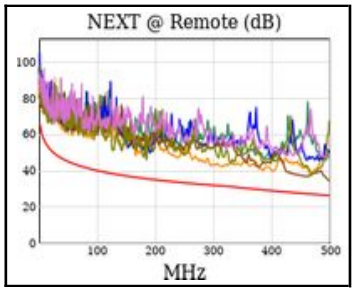


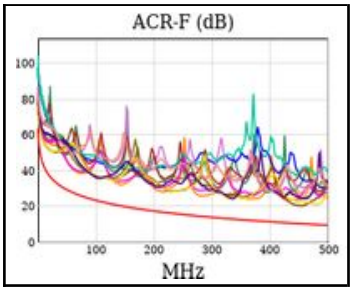
PASS

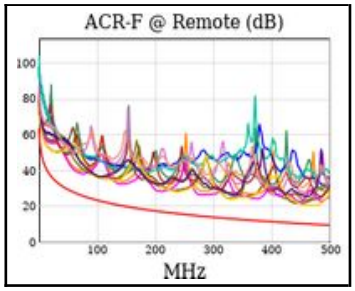


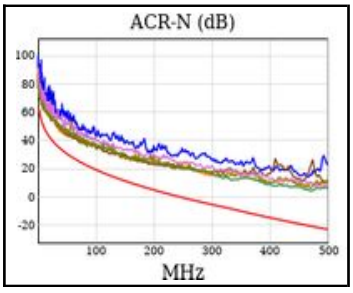


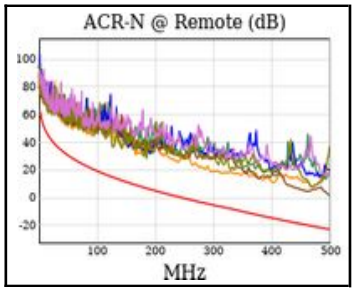


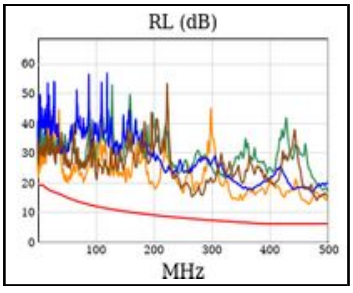


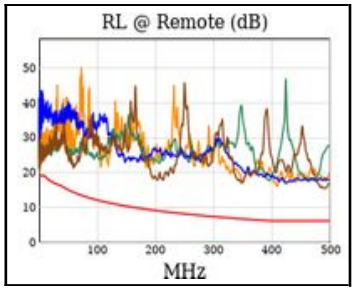












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.6	8.0	9.2	8.0
Freq. (MHz)	161.0	500.0	470.0	500.0
Limit (dB)	36.4	26.1	26.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	9.1	9.8	9.1
Freq. (MHz)	160.5	469.0	460.0	469.0
Limit (dB)	33.5	24.0	24.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	10.3	9.9	10.6
Freq. (MHz)	454.0	462.0	454.0	475.0
Limit (dB)	10.1	10.0	10.1	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.6	11.4	10.6
Freq. (MHz)	339.0	450.0	455.0	450.0
Limit (dB)	9.7	7.2	7.1	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	9.5	13.0	25.0	24.5
Freq. (MHz)	3.8	3.8	472.0	500.0
Limit (dB)	59.5	59.5	-21.0	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.3	11.9	28.0	27.1
Freq. (MHz)	3.8	3.8	500.0	500.0
Limit (dB)	57.0	57.0	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.9	4.0	6.6	9.4
Freq. (MHz)	51.3	8.8	467.0	494.0
Limit (dB)	14.9	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-1-A

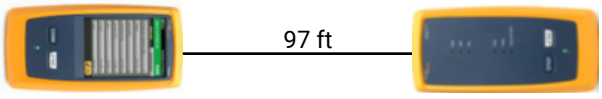
Test Summary: PASS

Date / Time: 11/27/2022 12:36:40 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

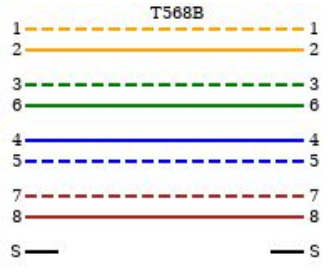
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	97
Prop. Delay (ns), Limit 555	[Pair 4,5]	153
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	34.0
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

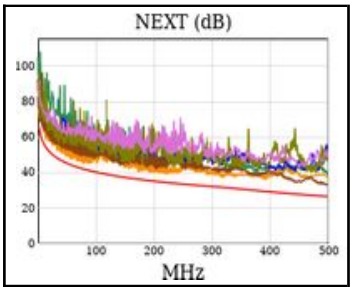


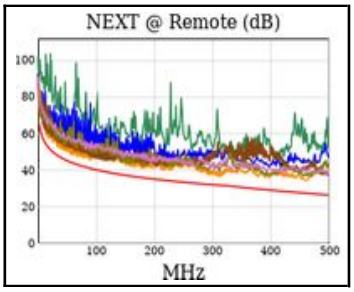
PASS



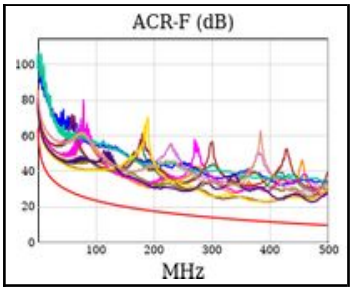


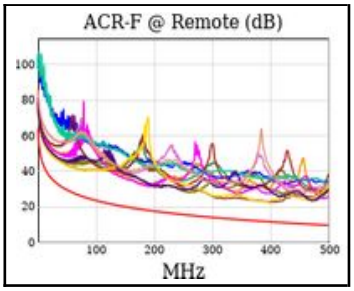
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.3	4.2	6.3	6.9
Freq. (MHz)	79.3	56.3	498.0	462.0
Limit (dB)	41.6	44.1	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	4.4	7.8	7.4
Freq. (MHz)	68.0	67.8	498.0	461.0
Limit (dB)	40.0	40.0	23.3	24.2



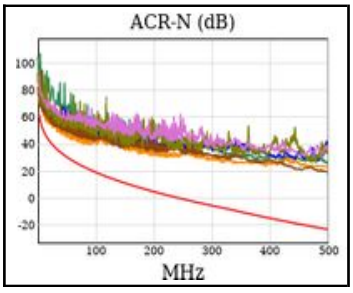


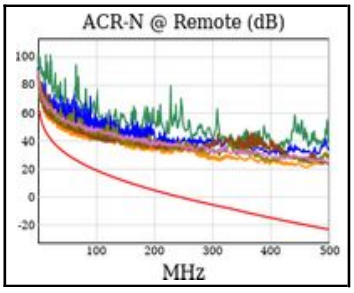
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	4,5-3,6
ACR-F (dB)	10.9	11.0	12.4	11.2
Freq. (MHz)	321.0	321.0	472.0	410.0
Limit (dB)	13.1	13.1	9.8	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.4	12.3	12.7	13.5
Freq. (MHz)	417.0	398.0	477.0	479.0
Limit (dB)	7.9	8.3	6.7	6.7



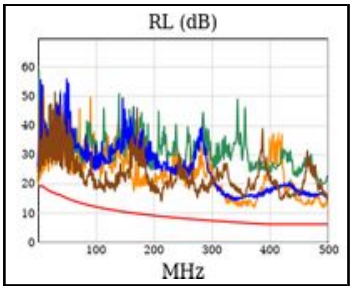


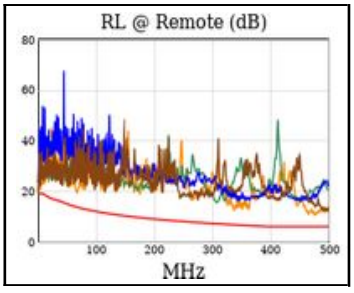
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	9.9	42.0	40.9
Freq. (MHz)	3.5	3.5	498.0	462.0
Limit (dB)	60.1	60.1	-23.1	-20.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	10.3	42.3	44.3
Freq. (MHz)	3.5	3.5	498.0	498.0
Limit (dB)	57.6	57.6	-25.9	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.1	4.3	5.4	4.3
Freq. (MHz)	374.0	477.0	495.0	477.0
Limit (dB)	6.3	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-1-B

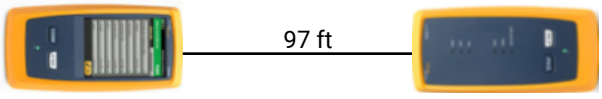
Test Summary: PASS

Date / Time: 11/27/2022 12:34:14 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

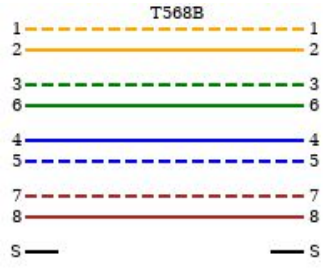
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

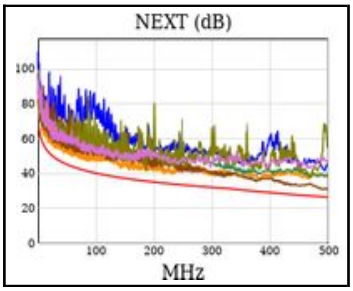
Length (ft), Limit 328	[Pair 1,2]	97
Prop. Delay (ns), Limit 555	[Pair 4,5]	155
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.5
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

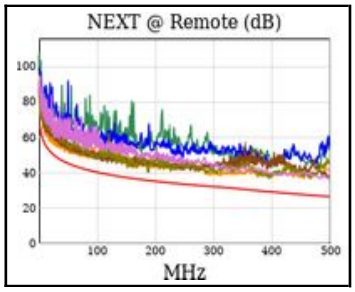


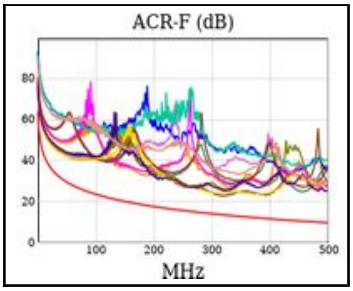
PASS

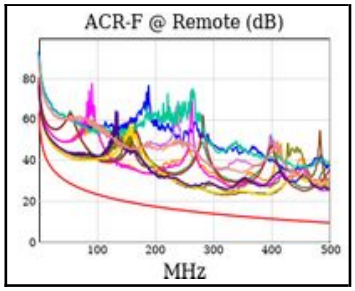


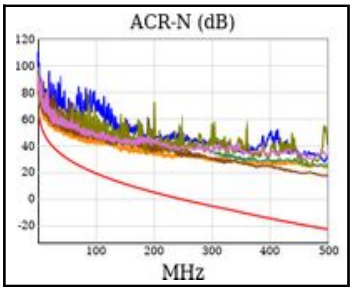


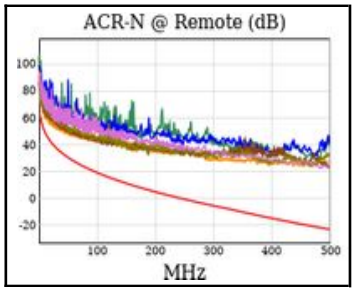


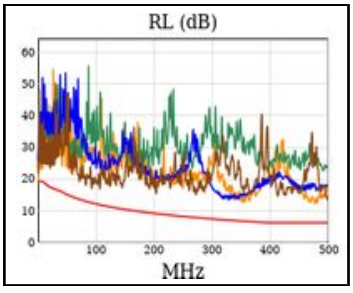


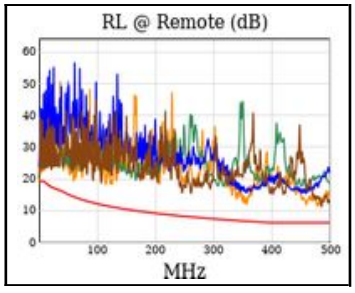












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	4.1	4.5	4.1	9.7
Freq. (MHz)	491.0	189.0	491.0	497.0
Limit (dB)	26.3	35.2	26.3	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	4.7	6.4	6.8
Freq. (MHz)	187.5	188.5	498.0	396.0
Limit (dB)	32.3	32.3	23.3	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.1	9.5	9.1	9.5
Freq. (MHz)	316.0	316.0	316.0	316.0
Limit (dB)	13.3	13.3	13.3	13.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	9.8	10.6	9.9
Freq. (MHz)	327.0	327.0	332.0	331.0
Limit (dB)	10.0	10.0	9.8	9.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	9.2	9.8	39.9	44.9
Freq. (MHz)	3.6	7.4	498.0	497.0
Limit (dB)	59.8	53.2	-23.1	-23.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.7	9.3	40.9	45.5
Freq. (MHz)	3.8	3.5	498.0	498.0
Limit (dB)	57.0	57.6	-25.9	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	4.5	4.9	5.8	4.9
Freq. (MHz)	93.8	60.5	478.0	486.0
Limit (dB)	12.3	14.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-2-A

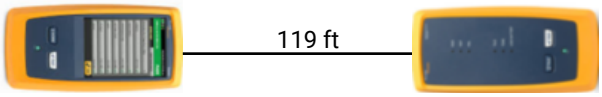
Test Summary: PASS

Date / Time: 11/27/2022 12:37:16 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

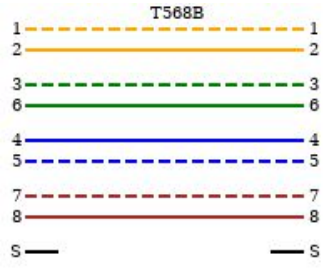
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	119
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	18.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

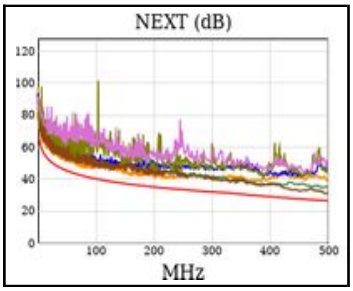


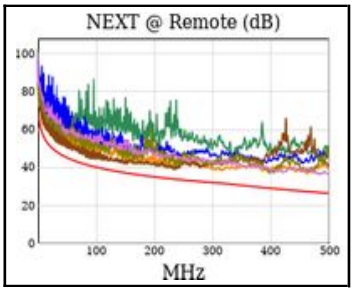
PASS



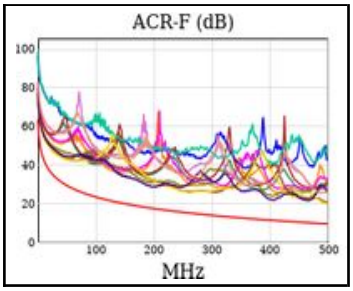


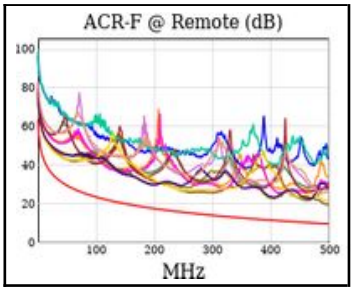
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	4.3	3.6	4.4	9.2
Freq. (MHz)	496.0	91.8	498.0	484.0
Limit (dB)	26.2	40.6	26.1	26.5
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.6	4.3	5.7	9.4
Freq. (MHz)	27.0	89.0	498.0	464.0
Limit (dB)	46.8	38.0	23.3	24.1



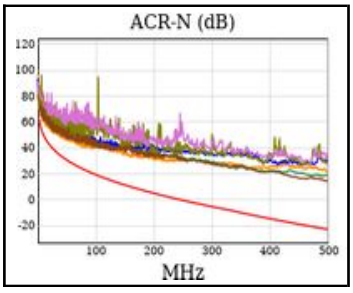


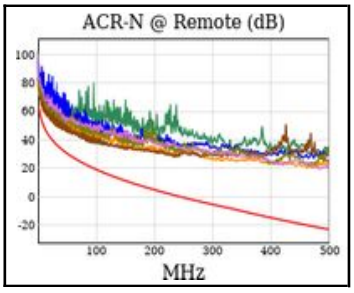
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	9.9	10.3	9.9
Freq. (MHz)	407.0	499.0	498.0	499.0
Limit (dB)	11.1	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	10.8	12.3	11.2
Freq. (MHz)	245.5	262.0	498.0	468.0
Limit (dB)	12.5	11.9	6.3	6.9



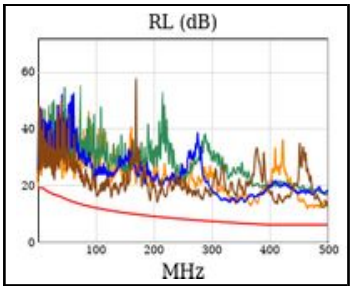


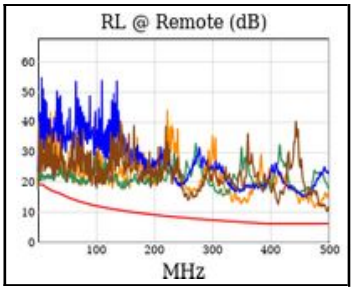
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	7.9	8.8	37.0	41.0
Freq. (MHz)	3.0	6.1	498.0	484.0
Limit (dB)	61.4	55.0	-23.1	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.5	37.7	40.4
Freq. (MHz)	3.1	5.8	498.0	464.0
Limit (dB)	58.3	53.0	-25.9	-23.2





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	7,8
RL (dB)	4.0	3.0	5.6	4.0
Freq. (MHz)	102.0	14.6	465.0	498.0
Limit (dB)	11.9	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-2-B

Test Summary: PASS

Date / Time: 11/27/2022 12:38:09 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	120
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	12.9
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	6.1	5.6	6.7
Freq. (MHz)	167.5	382.0	488.0	454.0
Limit (dB)	36.1	29.3	26.4	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	6.8	7.1	7.7
Freq. (MHz)	35.8	86.0	482.0	454.0
Limit (dB)	44.7	38.2	23.7	24.3

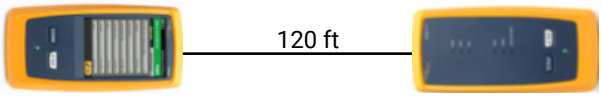
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.6	11.6	10.6
Freq. (MHz)	256.0	494.0	500.0	494.0
Limit (dB)	15.1	9.4	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.7	10.6	10.7
Freq. (MHz)	472.0	471.0	472.0	471.0
Limit (dB)	6.8	6.8	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.1	12.6	38.5	39.4
Freq. (MHz)	2.9	7.4	500.0	481.0
Limit (dB)	61.4	53.2	-23.2	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	12.0	39.1	41.9
Freq. (MHz)	3.3	5.4	494.0	499.0
Limit (dB)	58.2	53.7	-25.6	-26.0

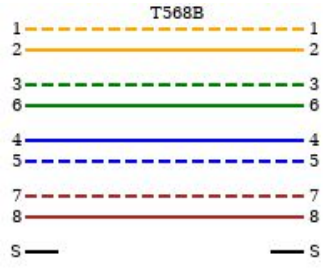
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	3.4	1.3	3.7	3.8
Freq. (MHz)	107.0	43.0	476.0	497.0
Limit (dB)	11.7	15.7	6.0	6.0

Compliant Network Standards:

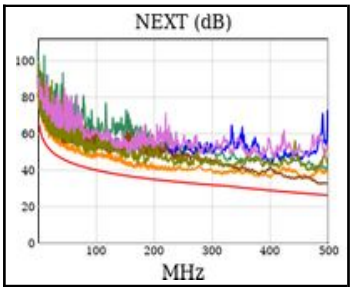
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

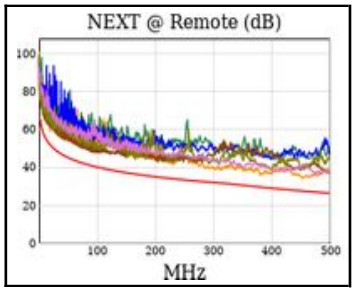


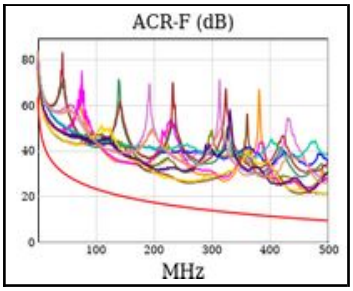
PASS

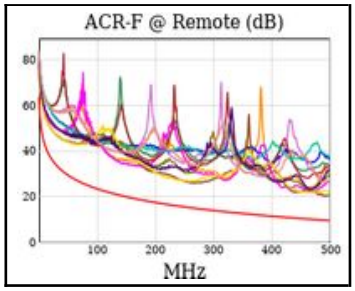


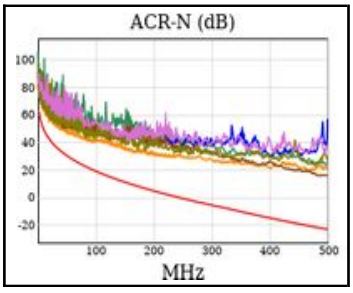


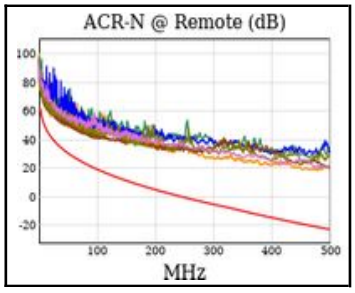


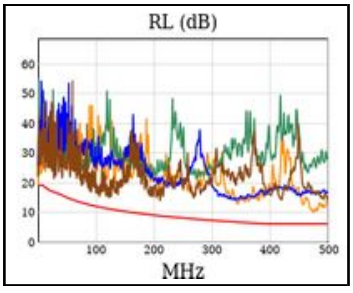


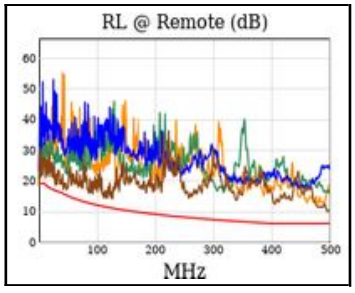












FLUKE networks

LinkWare Live

Cable ID: 126-A

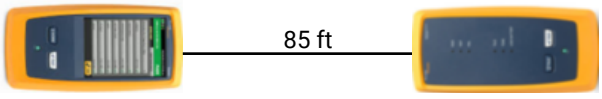
Test Summary: PASS

Date / Time: 12/03/2022 06:51:50 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

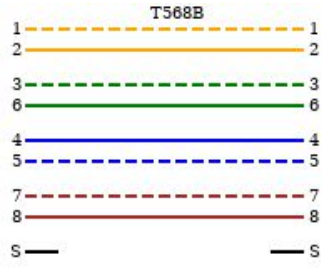
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	133
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	36.1
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS



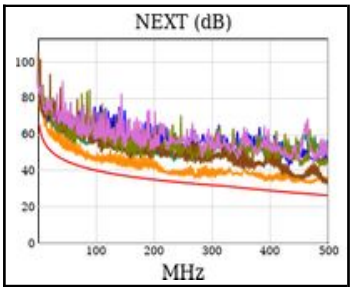
PASS	MAIN	SR	MAIN	SR
	Worst Case Margin		Worst Case Value	
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	2.7	3.7	6.1	3.7
Freq. (MHz)	271.0	500.0	500.0	500.0
Limit (dB)	32.5	26.1	26.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.3	5.2	6.8	5.2
Freq. (MHz)	271.0	253.0	495.0	499.0
Limit (dB)	29.5	30.1	23.3	23.3

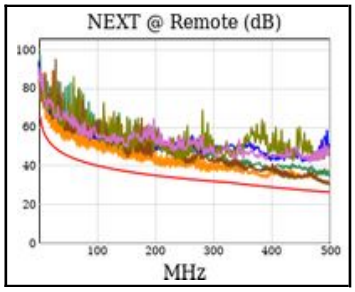
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	8.9	9.3	8.9	10.4
Freq. (MHz)	424.0	372.0	424.0	433.0
Limit (dB)	10.7	11.8	10.7	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.4	11.4	11.8
Freq. (MHz)	424.0	5.6	488.0	476.0
Limit (dB)	7.7	45.3	6.5	6.7

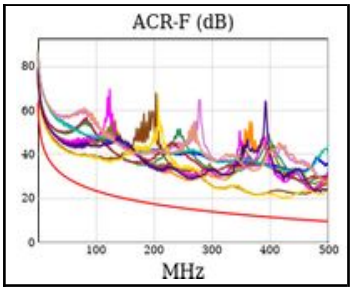
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	14.6	13.6	43.3	41.4
Freq. (MHz)	21.8	4.3	498.0	500.0
Limit (dB)	41.5	58.3	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	14.8	13.8	43.0	41.8
Freq. (MHz)	3.8	3.8	495.0	495.0
Limit (dB)	57.0	57.0	-25.7	-25.7

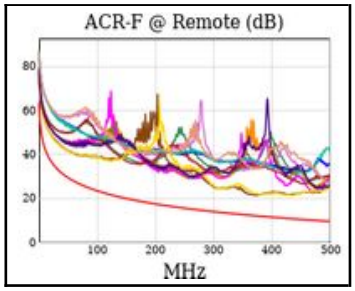
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.3	3.9	5.1	7.0
Freq. (MHz)	46.0	130.5	499.0	485.0
Limit (dB)	15.4	10.8	6.0	6.0

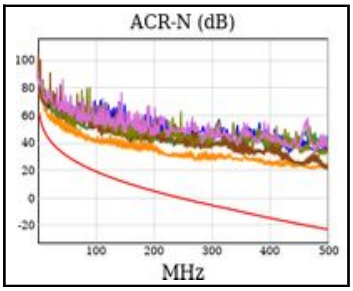


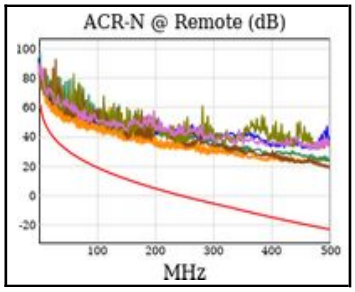


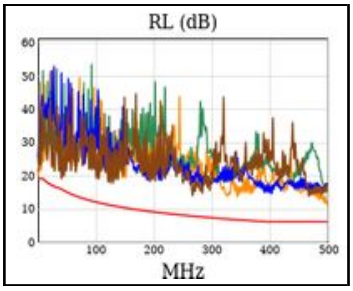


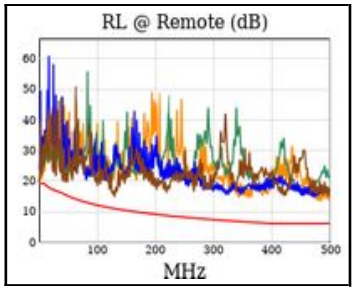












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 126-B

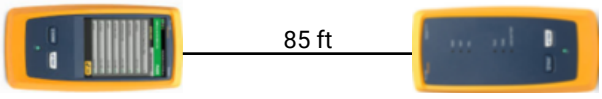
Test Summary: PASS

Date / Time: 12/03/2022 06:56:04 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

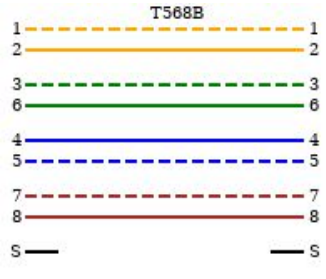
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

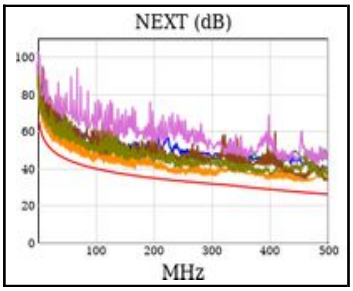
Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	134
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

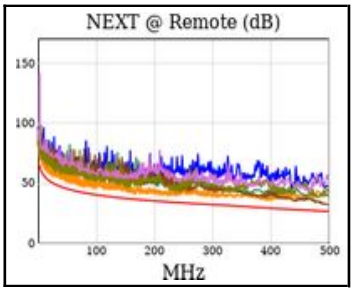


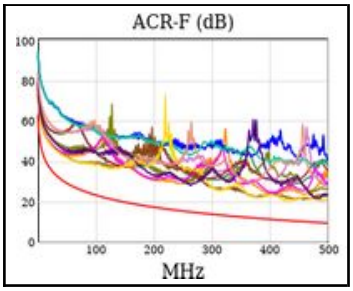
PASS

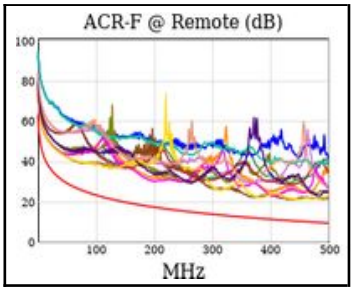


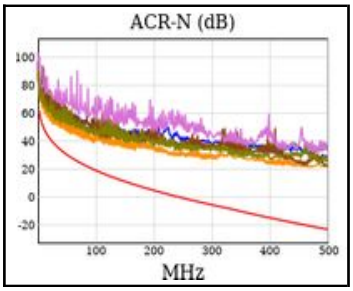


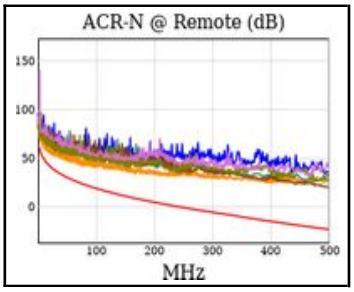


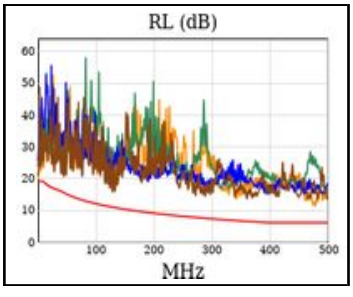


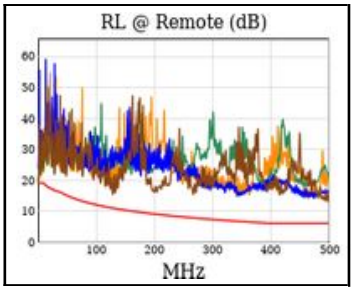












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.1	3.7	5.6	5.4
Freq. (MHz)	96.8	167.5	459.0	499.0
Limit (dB)	40.2	36.1	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	5.7	6.8	7.2
Freq. (MHz)	96.5	167.5	498.0	499.0
Limit (dB)	37.3	33.2	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	10.2	10.6	10.4
Freq. (MHz)	430.0	379.0	489.0	443.0
Limit (dB)	10.6	11.7	9.5	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.9	10.9	12.5
Freq. (MHz)	1.4	5.3	485.0	498.0
Limit (dB)	57.5	45.9	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.5	9.4	41.8	42.9
Freq. (MHz)	4.4	4.3	468.0	499.0
Limit (dB)	58.1	58.3	-20.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	10.1	42.8	43.4
Freq. (MHz)	4.1	4.3	498.0	499.0
Limit (dB)	56.1	55.8	-25.9	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.7	4.4	5.1	6.8
Freq. (MHz)	129.5	129.5	479.0	496.0
Limit (dB)	10.9	10.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-A

Test Summary: PASS

Date / Time: 12/03/2022 06:36:06 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	87
Prop. Delay (ns), Limit 555	[Pair 4,5]	137
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.9	3.4	5.6	4.1
Freq. (MHz)	288.0	180.5	470.0	497.0
Limit (dB)	32.1	35.5	26.8	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	5.3	7.0	6.1
Freq. (MHz)	249.5	159.0	500.0	496.0
Limit (dB)	30.2	33.6	23.2	23.3

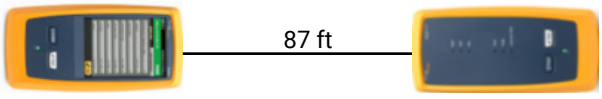
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.0	10.4	10.1
Freq. (MHz)	370.0	374.0	424.0	378.0
Limit (dB)	11.9	11.8	10.7	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.1	11.3	11.6
Freq. (MHz)	9.1	1.1	420.0	422.0
Limit (dB)	41.1	59.2	7.8	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	8.5	42.4	41.6
Freq. (MHz)	4.1	4.0	487.0	498.0
Limit (dB)	58.6	58.9	-22.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	10.1	43.5	42.6
Freq. (MHz)	4.0	4.0	500.0	496.0
Limit (dB)	56.4	56.4	-26.1	-25.8

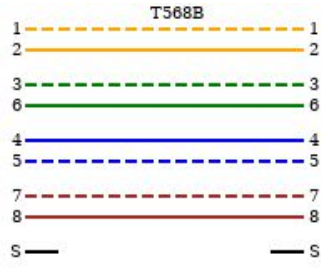
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.8	3.6	5.7	5.7
Freq. (MHz)	138.5	138.5	476.0	476.0
Limit (dB)	10.6	10.6	6.0	6.0

Compliant Network Standards:

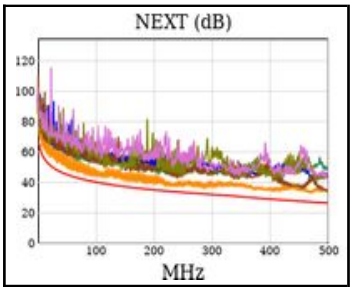
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

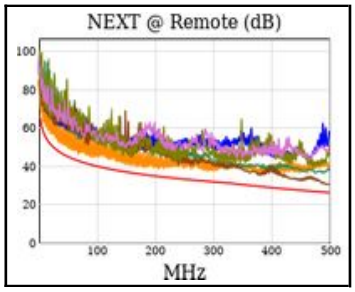


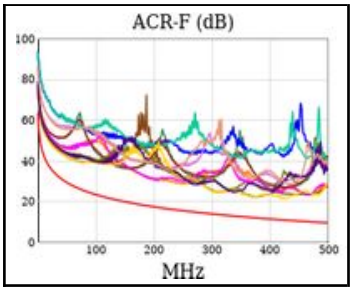
PASS

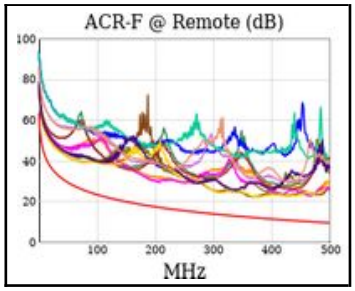


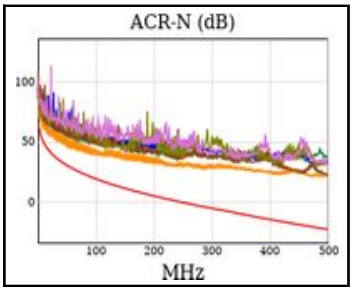


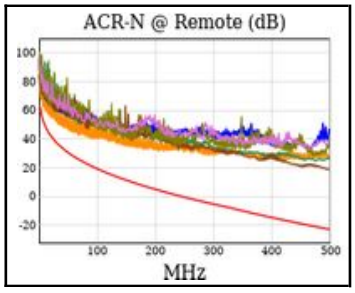


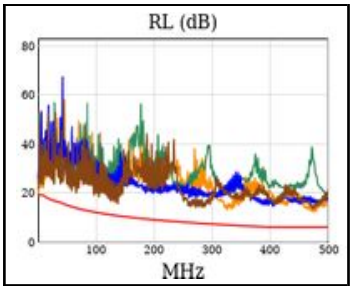


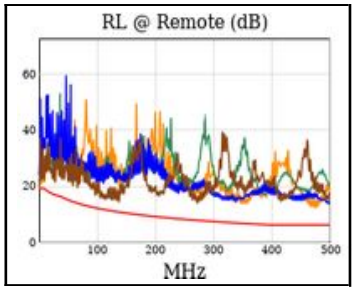












FLUKE networks

LinkWare Live

Cable ID: 127-B

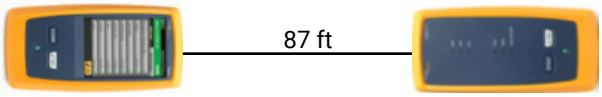
Test Summary: PASS

Date / Time: 12/03/2022 06:40:53 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

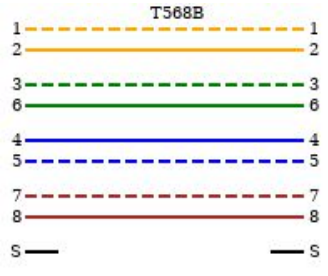
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

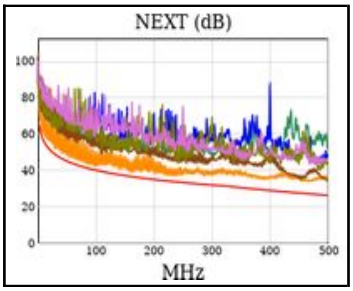
Length (ft), Limit 328	[Pair 1,2]	87
Prop. Delay (ns), Limit 555	[Pair 4,5]	138
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	36.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

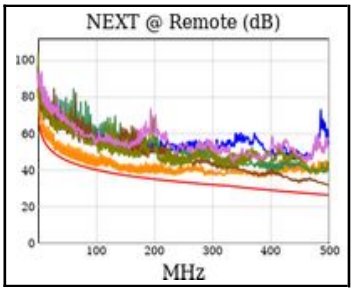


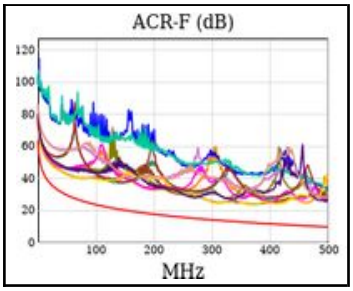
PASS

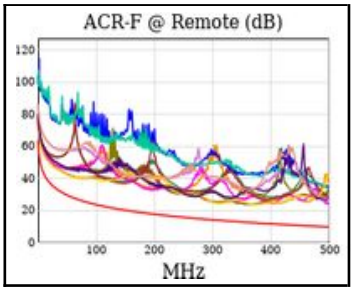


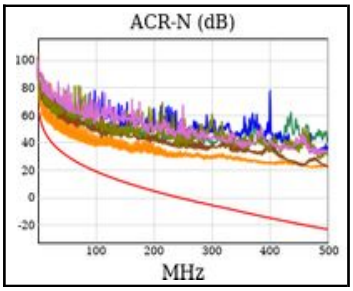


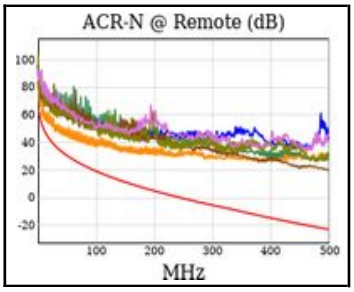


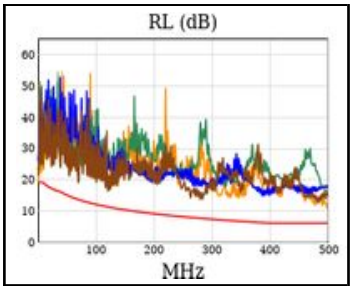


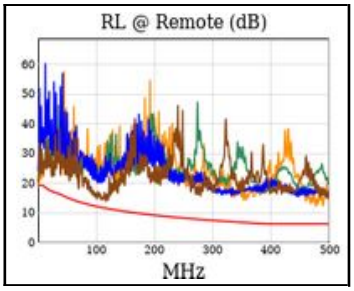












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.8	1.4	6.7	5.3
Freq. (MHz)	98.5	98.5	468.0	500.0
Limit (dB)	40.0	40.0	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	3.9	6.8	7.4
Freq. (MHz)	98.5	141.0	454.0	500.0
Limit (dB)	37.2	34.5	24.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.2	11.2	11.2
Freq. (MHz)	309.0	309.0	372.0	376.0
Limit (dB)	13.5	13.5	11.8	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.5	12.8	12.7
Freq. (MHz)	5.1	1.1	411.0	403.0
Limit (dB)	46.1	59.2	8.0	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	7.0	43.8	42.6
Freq. (MHz)	8.4	8.3	490.0	500.0
Limit (dB)	51.9	52.1	-22.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	9.3	44.6	43.9
Freq. (MHz)	4.0	4.1	499.0	500.0
Limit (dB)	56.4	56.1	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.8	2.3	4.8	5.7
Freq. (MHz)	500.0	117.5	500.0	478.0
Limit (dB)	6.0	11.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 126-B

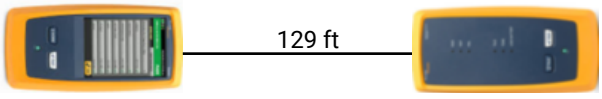
Test Summary: PASS

Date / Time: 11/22/2022 05:22:46 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

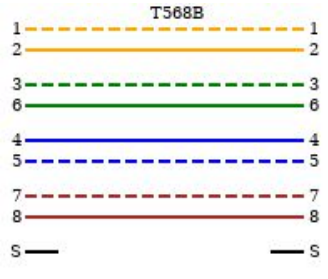
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	129
Prop. Delay (ns), Limit 555	[Pair 3,6]	200
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 4,5]	28.6
Frequency (MHz)	[Pair 4,5]	471.0
Limit (dB)	[Pair 4,5]	47.7



PASS



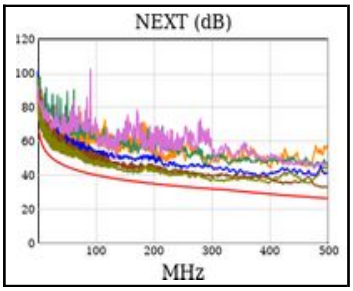
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.2	4.1	6.5	7.2
Freq. (MHz)	299.0	206.0	500.0	459.0
Limit (dB)	31.8	34.6	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	4.3	8.8	6.2
Freq. (MHz)	299.0	85.0	492.0	407.0
Limit (dB)	28.8	38.3	23.4	25.6

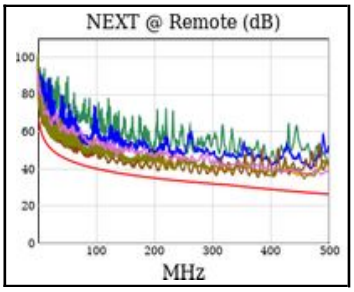
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	10.4	10.9	10.6
Freq. (MHz)	320.0	369.0	369.0	380.0
Limit (dB)	13.2	11.9	11.9	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.7	12.6	13.2
Freq. (MHz)	6.4	5.6	392.0	405.0
Limit (dB)	44.2	45.3	8.4	8.1

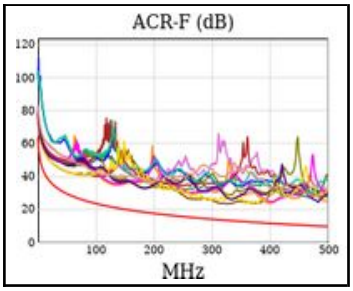
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	8.9	8.9	37.4	38.0
Freq. (MHz)	5.3	2.6	500.0	459.0
Limit (dB)	56.4	61.6	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.5	8.6	38.8	37.8
Freq. (MHz)	5.3	5.1	492.0	458.0
Limit (dB)	53.9	54.1	-25.5	-22.8

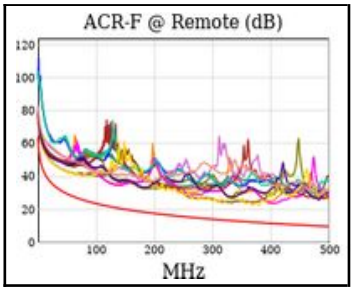
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.2	6.0	8.2	7.1
Freq. (MHz)	64.3	64.3	403.0	382.0
Limit (dB)	13.9	13.9	6.0	6.2

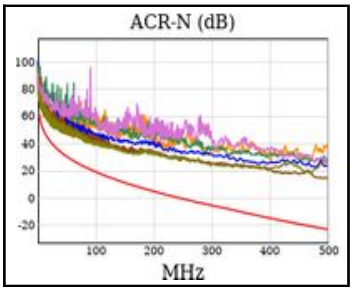


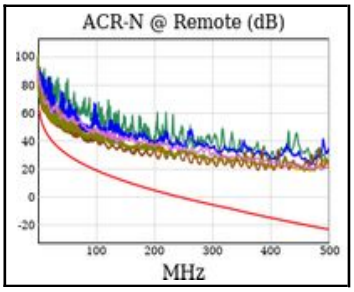


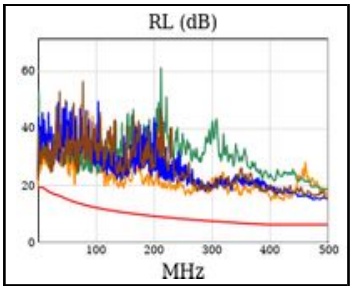


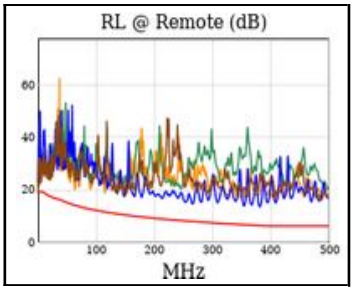












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-1-A

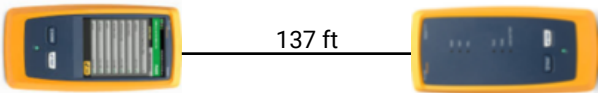
Test Summary: PASS

Date / Time: 11/22/2022 01:46:44 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

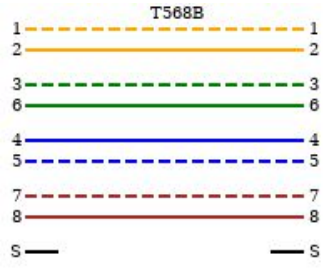
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

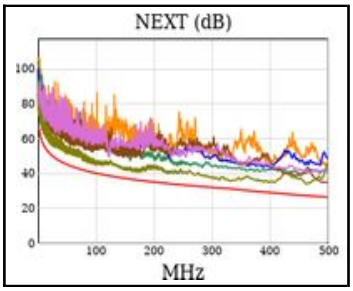
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 3,6]	211
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	7.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

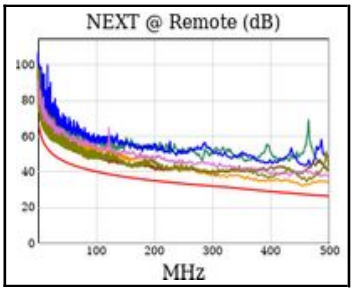


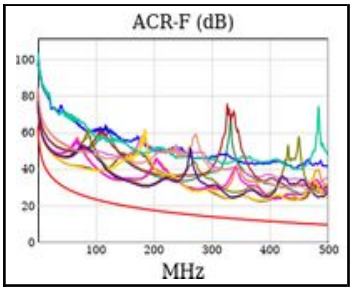
PASS

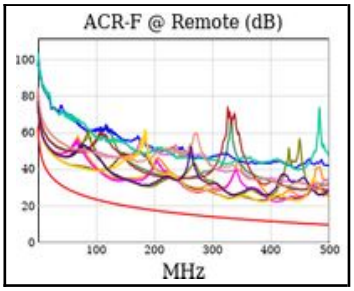


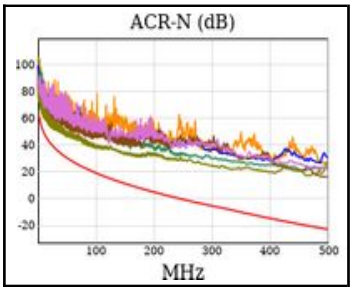


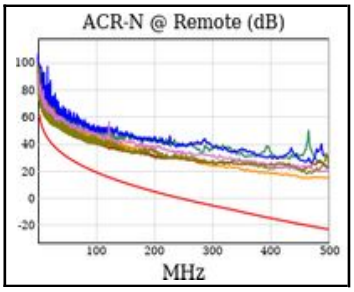


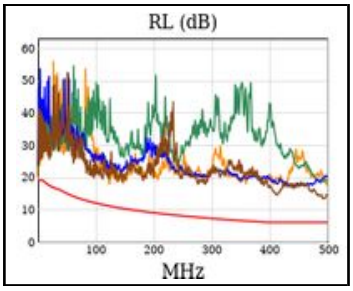


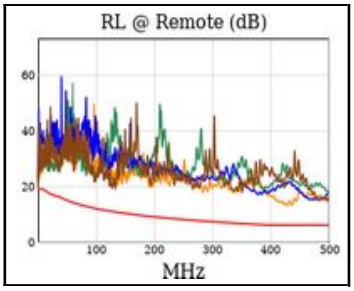












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	4.2	4.7	6.6	4.7
Freq. (MHz)	163.5	456.0	464.0	456.0
Limit (dB)	36.3	27.2	27.0	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	4.6	8.7	5.3
Freq. (MHz)	101.0	307.0	490.0	455.0
Limit (dB)	37.0	28.6	23.5	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	10.5	10.4	10.5	10.9
Freq. (MHz)	386.0	386.0	386.0	412.0
Limit (dB)	11.5	11.5	11.5	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.7	10.9	10.8
Freq. (MHz)	396.0	398.0	396.0	402.0
Limit (dB)	8.3	8.3	8.3	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	9.8	39.0	37.5
Freq. (MHz)	5.0	5.0	498.0	500.0
Limit (dB)	56.9	56.9	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	10.1	38.1	35.1
Freq. (MHz)	5.0	5.0	490.0	463.0
Limit (dB)	54.3	54.3	-25.3	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.6	7.0	7.2	7.0
Freq. (MHz)	124.0	429.0	494.0	429.0
Limit (dB)	11.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-1-B

Test Summary: PASS

Date / Time: 11/22/2022 01:47:25 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	154
Prop. Delay (ns), Limit 555	[Pair 3,6]	237
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	6.1	4.5	6.1	4.9
Freq. (MHz)	500.0	123.0	500.0	455.0
Limit (dB)	26.1	38.4	26.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.6	4.8	8.3	5.2
Freq. (MHz)	4.4	275.0	500.0	464.0
Limit (dB)	59.9	29.4	23.2	24.1

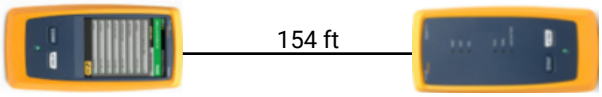
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	10.2	10.1	10.7
Freq. (MHz)	389.0	446.0	491.0	495.0
Limit (dB)	11.5	10.3	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	11.3	11.0
Freq. (MHz)	5.3	472.0	489.0	487.0
Limit (dB)	45.9	6.8	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.6	9.9	34.2	33.8
Freq. (MHz)	4.4	4.3	500.0	466.0
Limit (dB)	58.1	58.3	-23.2	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.7	36.3	32.9
Freq. (MHz)	4.4	4.3	500.0	466.0
Limit (dB)	55.6	55.8	-26.1	-23.4

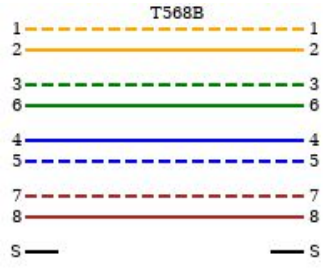
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	7.4	4.3	8.5	6.3
Freq. (MHz)	134.5	134.5	500.0	500.0
Limit (dB)	10.7	10.7	6.0	6.0

Compliant Network Standards:

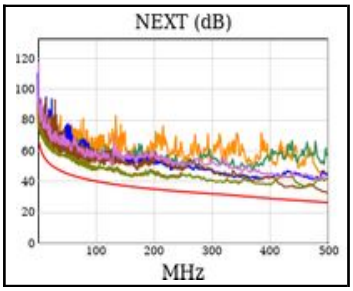
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

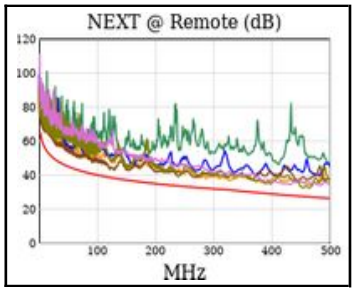


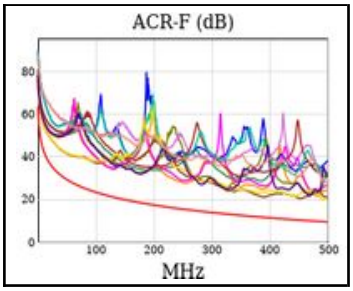
PASS

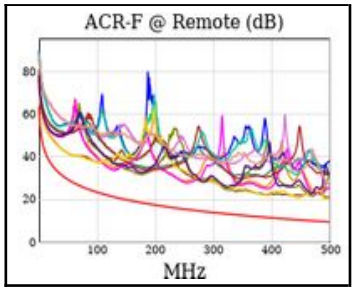


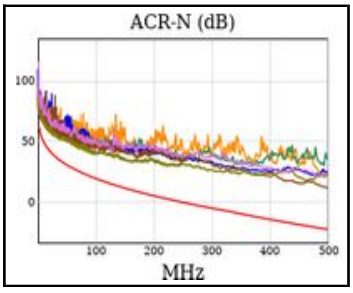


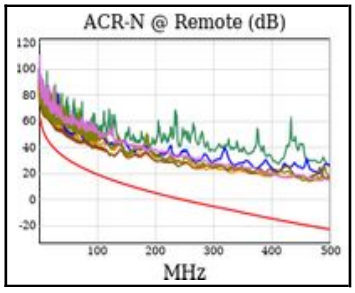


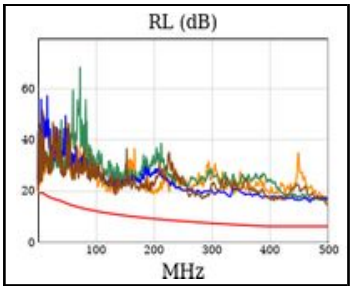


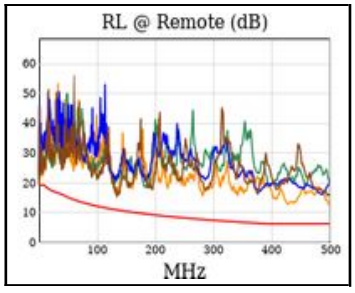












FLUKE networks

LinkWare Live

Cable ID: 127-2-A

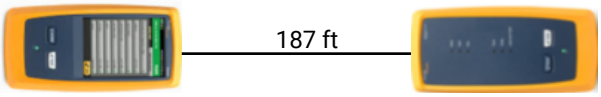
Test Summary: PASS

Date / Time: 11/22/2022 01:50:17 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

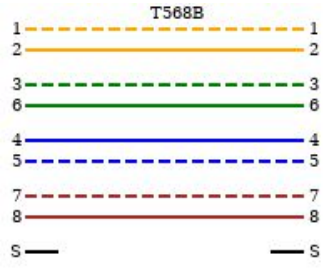
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

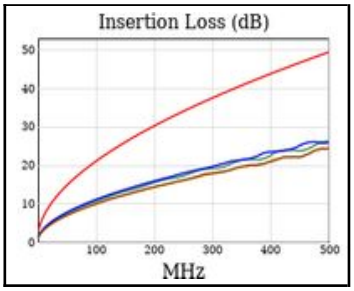
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

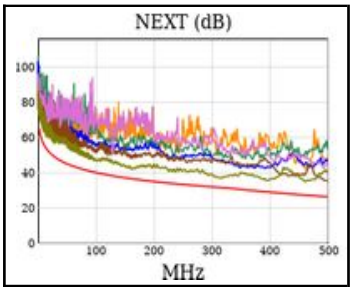
Length (ft), Limit 328	[Pair 1,2]	187
Prop. Delay (ns), Limit 555	[Pair 3,6]	290
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	23.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

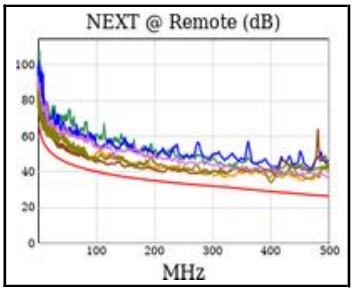


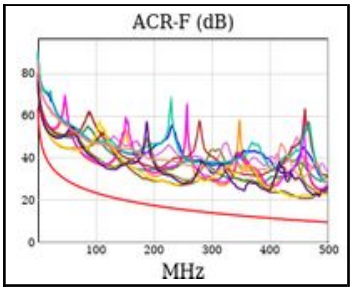
PASS

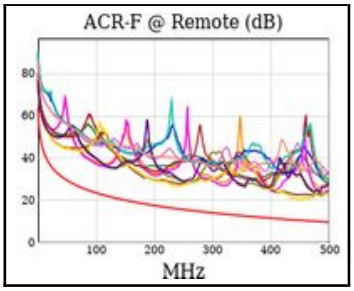


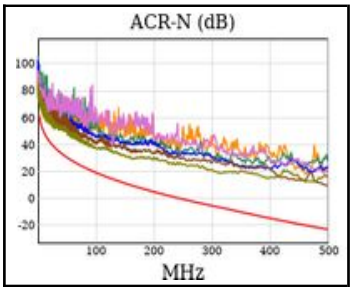


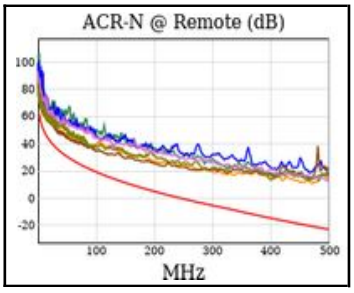


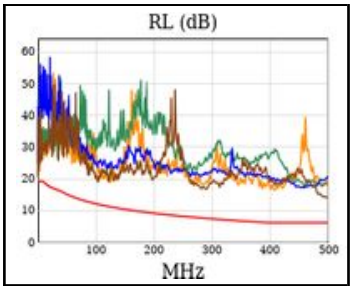


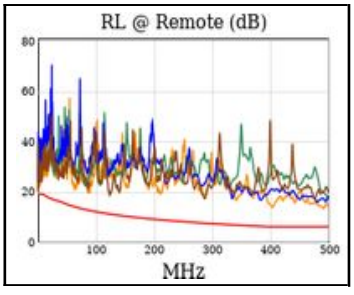












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	5.2	5.1	7.7	5.1
Freq. (MHz)	316.0	121.5	463.0	402.0
Limit (dB)	31.4	38.5	27.0	28.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.1	4.1	8.6	5.7
Freq. (MHz)	3.5	88.8	462.0	402.0
Limit (dB)	61.5	38.0	24.1	25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	9.9	10.6	10.0
Freq. (MHz)	466.0	446.0	466.0	450.0
Limit (dB)	9.9	10.3	9.9	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.4	11.5	11.4
Freq. (MHz)	486.0	490.0	486.0	490.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	8.6	32.6	31.8
Freq. (MHz)	3.5	3.4	500.0	474.0
Limit (dB)	60.1	60.4	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	7.9	33.7	31.5
Freq. (MHz)	3.5	3.5	499.0	472.0
Limit (dB)	57.6	57.6	-26.0	-23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.6	6.7	7.9	7.2
Freq. (MHz)	105.0	63.5	500.0	491.0
Limit (dB)	11.8	14.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 127-2-B

Test Summary: PASS

Date / Time: 11/22/2022 01:51:30 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	289
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	22.6
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	2.5	4.4	4.0	5.8
Freq. (MHz)	236.0	167.0	463.0	452.0
Limit (dB)	33.5	36.1	27.0	27.3
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.9	3.5	6.3	5.5
Freq. (MHz)	236.0	299.0	463.0	457.0
Limit (dB)	30.6	28.8	24.1	24.3

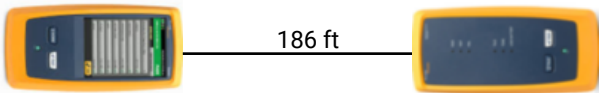
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.6	9.5	10.0	10.0
Freq. (MHz)	251.0	251.0	499.0	491.0
Limit (dB)	15.3	15.3	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.3	12.0	11.7
Freq. (MHz)	272.0	251.0	497.0	495.0
Limit (dB)	11.6	12.3	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	1,2-3,6
ACR-N (dB)	8.6	9.4	29.0	30.6
Freq. (MHz)	14.8	5.4	463.0	489.0
Limit (dB)	46.0	56.2	-20.3	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	7.9	30.3	30.1
Freq. (MHz)	3.5	5.4	488.0	486.0
Limit (dB)	57.6	53.7	-25.1	-25.0

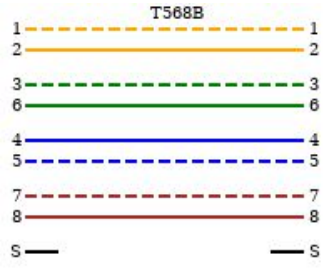
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	1,2	7,8	1,2
RL (dB)	7.4	5.9	8.5	5.9
Freq. (MHz)	21.3	427.0	490.0	427.0
Limit (dB)	17.4	6.0	6.0	6.0

Compliant Network Standards:

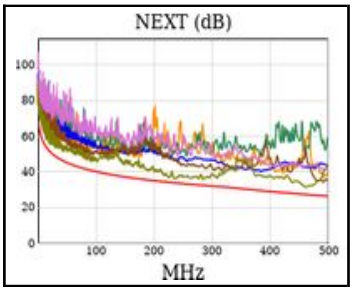
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

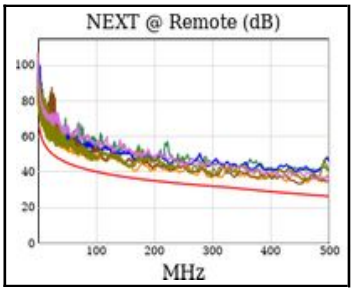


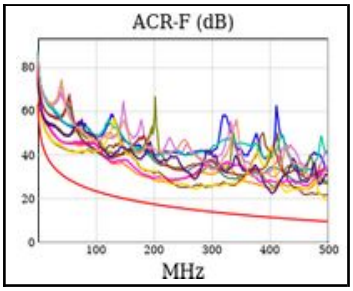
PASS

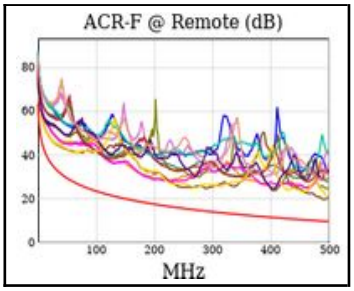


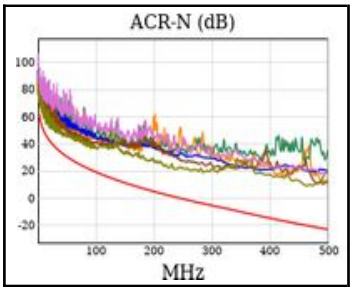


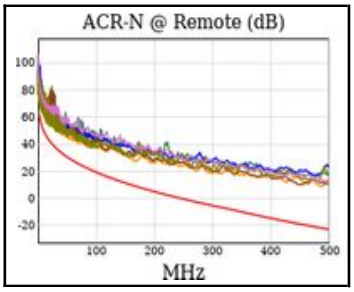


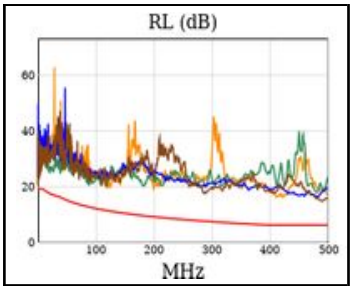


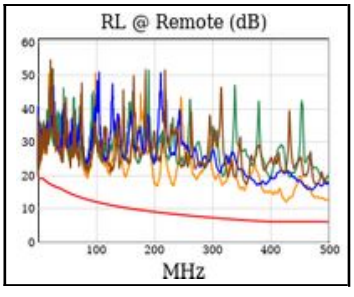












FLUKE networks

LinkWare Live

Cable ID: 128-2-A

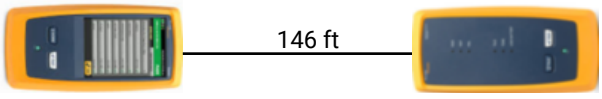
Test Summary: PASS

Date / Time: 12/19/2022 02:29:06 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

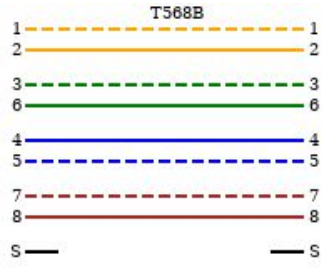
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	227
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.5	7.0	9.3	8.1
Freq. (MHz)	231.0	4.5	470.0	478.0
Limit (dB)	33.7	62.2	26.8	26.6
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.5	7.8	9.7	9.0
Freq. (MHz)	167.5	4.5	470.0	483.0
Limit (dB)	33.2	59.7	23.9	23.6

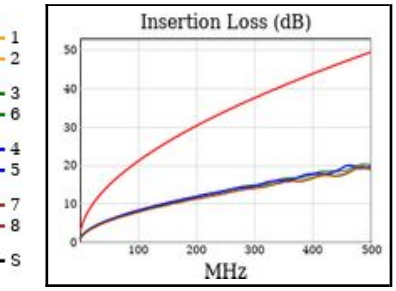
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.9	10.3	9.9
Freq. (MHz)	311.0	383.0	387.0	383.0
Limit (dB)	13.4	11.6	11.5	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.0	13.8	12.1
Freq. (MHz)	5.8	5.1	476.0	482.0
Limit (dB)	45.1	46.1	6.7	6.6

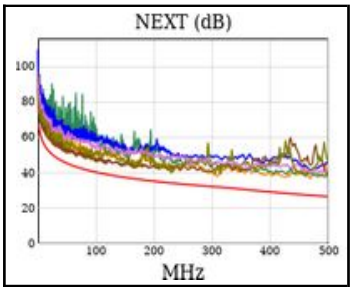
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.3	9.8	37.5	36.8
Freq. (MHz)	4.4	4.5	470.0	478.0
Limit (dB)	58.1	57.8	-20.8	-21.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	10.6	40.8	37.4
Freq. (MHz)	4.4	4.5	500.0	483.0
Limit (dB)	55.6	55.3	-26.1	-24.8

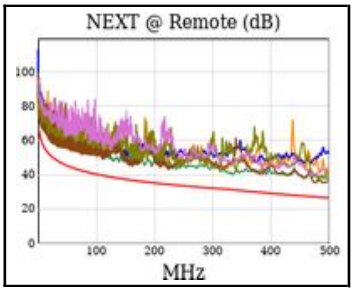
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	5.5	4.5	8.2	7.5
Freq. (MHz)	68.0	67.5	483.0	483.0
Limit (dB)	13.7	13.7	6.0	6.0

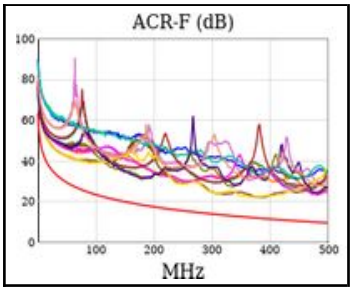
Compliant Network Standards:

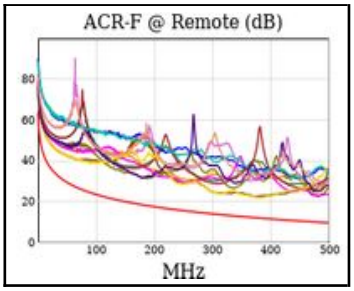
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

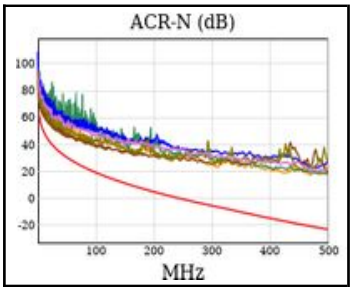


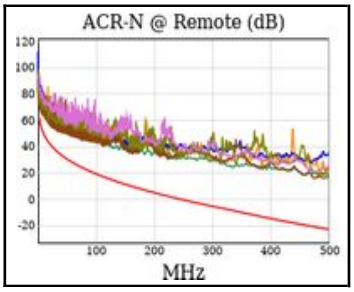


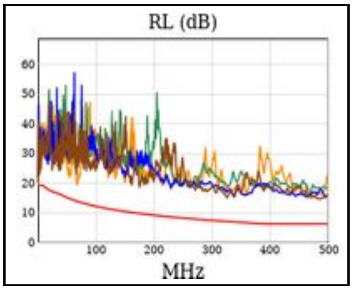


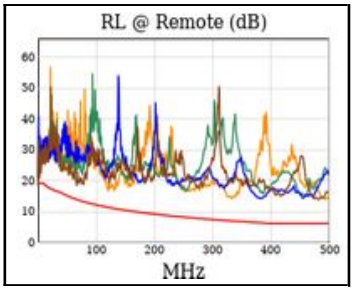












FLUKE networks

LinkWare Live

Cable ID: 128-2-B

Test Summary: PASS

Date / Time: 12/19/2022 02:29:29 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	6.2	9.7	9.2
Freq. (MHz)	97.5	4.5	498.0	498.0
Limit (dB)	40.1	62.2	26.1	26.1
Worst Pair	3,6	3,6	1,2	4,5
PS NEXT (dB)	3.8	7.2	9.5	9.1
Freq. (MHz)	224.5	4.5	498.0	498.0
Limit (dB)	31.0	59.7	23.3	23.3

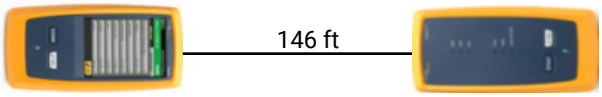
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.4	11.6	11.5
Freq. (MHz)	322.0	309.0	389.0	385.0
Limit (dB)	13.1	13.5	11.5	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.7	11.2	10.7
Freq. (MHz)	344.0	334.0	344.0	334.0
Limit (dB)	9.5	9.8	9.5	9.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.5	8.9	38.8	39.1
Freq. (MHz)	4.3	4.4	498.0	498.0
Limit (dB)	58.3	58.1	-23.1	-23.1
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	8.1	9.9	37.9	39.0
Freq. (MHz)	4.3	4.4	473.0	500.0
Limit (dB)	55.8	55.6	-24.0	-26.1

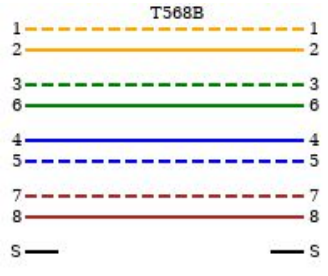
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	6.4	4.6	8.6	5.8
Freq. (MHz)	25.3	72.5	457.0	279.0
Limit (dB)	17.0	13.4	6.0	7.5

Compliant Network Standards:

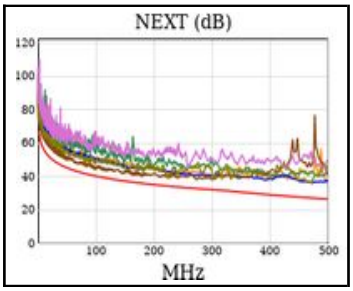
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

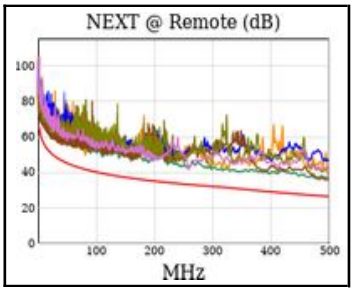


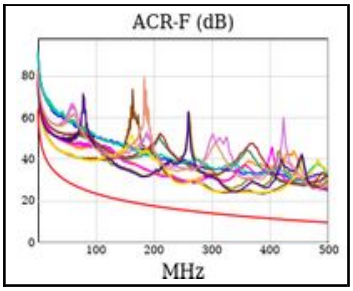
PASS

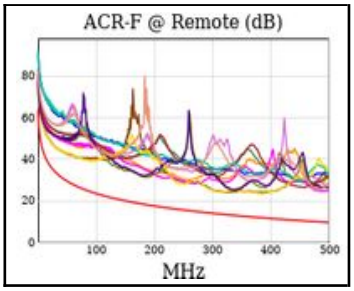


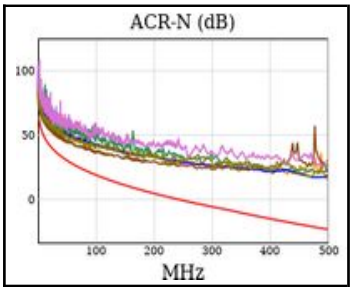


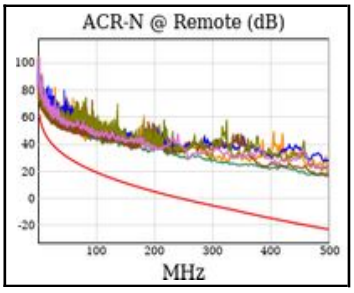


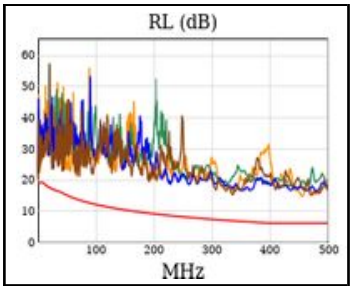


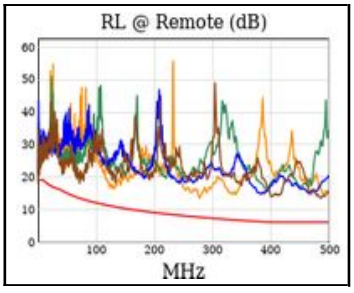












FLUKE networks

LinkWare Live

Cable ID: 128-A

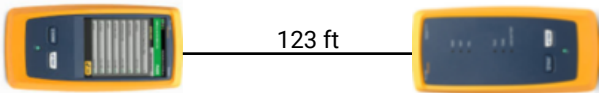
Test Summary: PASS

Date / Time: 11/25/2022 06:29:47 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

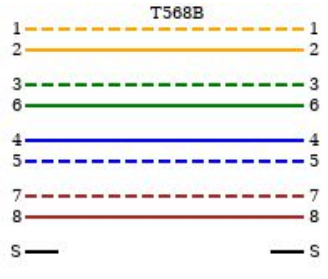
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

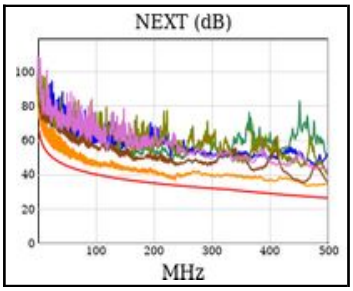
Length (ft), Limit 328	[Pair 1,2]	123
Prop. Delay (ns), Limit 555	[Pair 3,6]	190
Delay Skew (ns), Limit 50	[Pair 3,6]	7
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	485.0
Limit (dB)	[Pair 3,6]	48.5

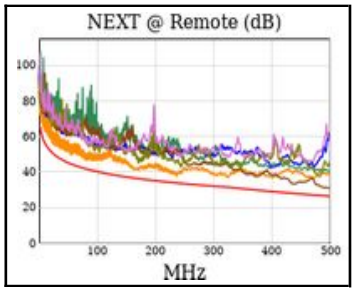


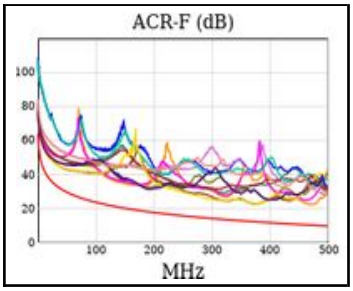
PASS

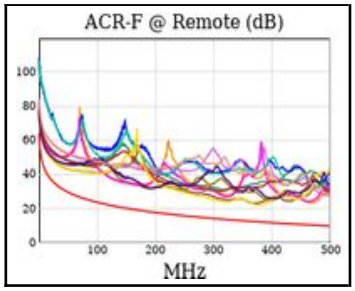


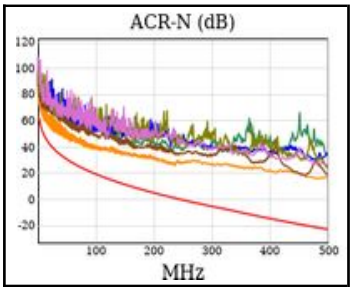


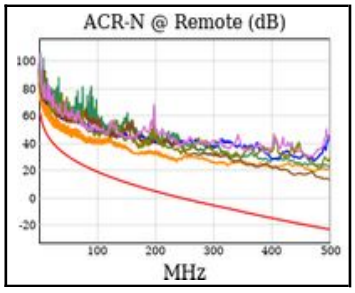


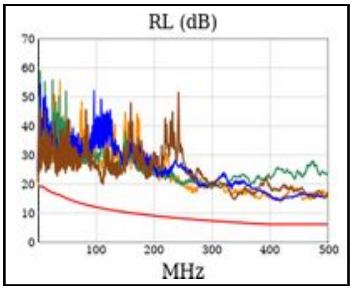


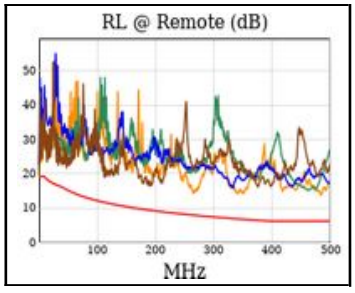












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.0	3.5	5.9	4.2
Freq. (MHz)	237.5	238.0	464.0	500.0
Limit (dB)	33.5	33.5	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.4	5.9	6.8	6.4
Freq. (MHz)	237.5	238.0	464.0	500.0
Limit (dB)	30.5	30.5	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.0	9.8	12.0	9.9
Freq. (MHz)	371.0	376.0	473.0	379.0
Limit (dB)	11.9	11.8	9.8	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	12.6	12.9
Freq. (MHz)	14.6	6.4	390.0	397.0
Limit (dB)	37.0	44.2	8.4	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	9.1	37.0	36.2
Freq. (MHz)	3.0	3.0	482.0	500.0
Limit (dB)	61.4	61.4	-21.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	10.9	39.5	37.9
Freq. (MHz)	3.0	3.0	499.0	500.0
Limit (dB)	58.4	58.4	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.3	5.9	7.7	7.3
Freq. (MHz)	34.5	266.0	420.0	485.0
Limit (dB)	16.3	7.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-B

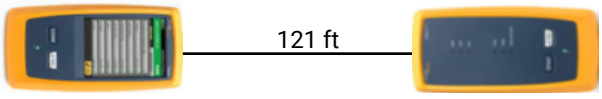
Test Summary: PASS

Date / Time: 11/25/2022 06:31:50 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

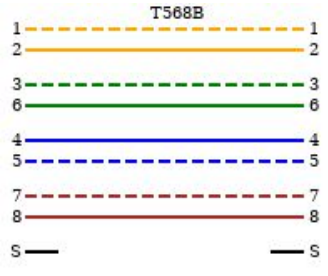
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	188
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	7.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

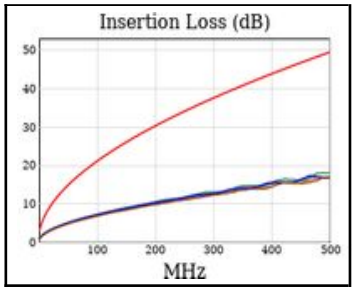


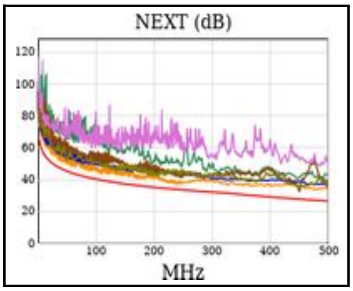
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	3.2	2.5	4.7	2.5
Freq. (MHz)	240.0	499.0	451.0	499.0
Limit (dB)	33.4	26.1	27.3	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.5	4.6	4.8	4.6
Freq. (MHz)	240.0	499.0	451.0	499.0
Limit (dB)	30.5	23.3	24.4	23.3

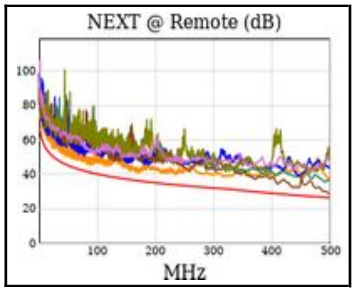
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	3,6-7,8
ACR-F (dB)	10.9	11.3	10.9	12.6
Freq. (MHz)	479.0	327.0	479.0	474.0
Limit (dB)	9.7	13.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.2	13.4
Freq. (MHz)	17.5	14.6	477.0	474.0
Limit (dB)	35.4	37.0	6.7	6.7

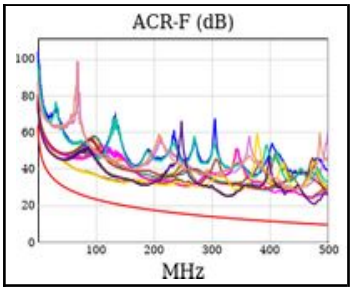
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.9	9.2	36.9	35.0
Freq. (MHz)	5.8	5.6	478.0	499.0
Limit (dB)	55.6	55.8	-21.5	-23.1
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.9	10.6	38.5	36.1
Freq. (MHz)	5.9	5.6	500.0	499.0
Limit (dB)	52.8	53.2	-26.1	-26.0

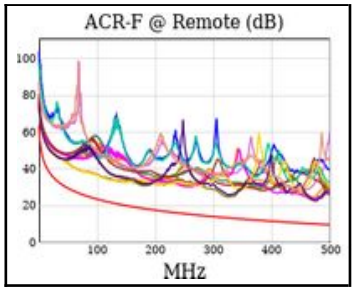
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	3,6
RL (dB)	5.3	4.4	7.5	6.9
Freq. (MHz)	20.9	20.9	499.0	467.0
Limit (dB)	17.4	17.4	6.0	6.0

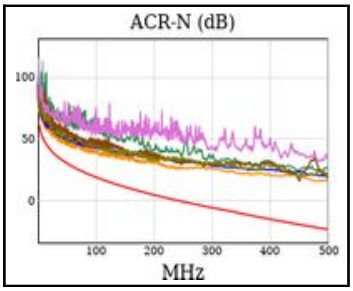


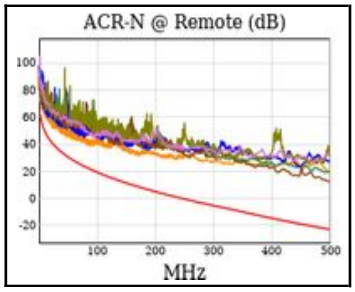


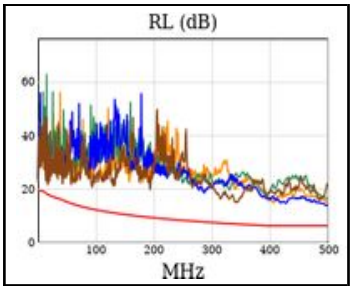


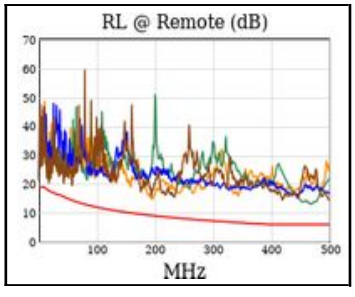












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-A

Test Summary: PASS

Date / Time: 11/25/2022 06:36:32 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 3,6]	132
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	35.6
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.6	3.2	5.3	4.5
Freq. (MHz)	228.5	70.3	467.0	489.0
Limit (dB)	33.8	42.5	26.9	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	5.5	7.6	6.4
Freq. (MHz)	233.0	88.0	498.0	489.0
Limit (dB)	30.7	38.0	23.3	23.5

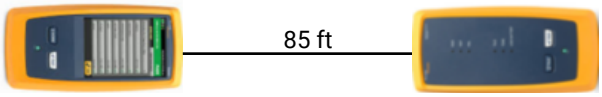
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	11.5	10.6	11.5
Freq. (MHz)	495.0	499.0	499.0	499.0
Limit (dB)	9.4	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.2	12.2	13.4
Freq. (MHz)	1.4	5.6	495.0	500.0
Limit (dB)	57.5	45.3	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.7	10.9	41.2	41.1
Freq. (MHz)	8.6	8.5	476.0	489.0
Limit (dB)	51.6	51.8	-21.3	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.9	11.4	43.7	41.9
Freq. (MHz)	4.3	4.0	498.0	489.0
Limit (dB)	55.8	56.4	-25.9	-25.2

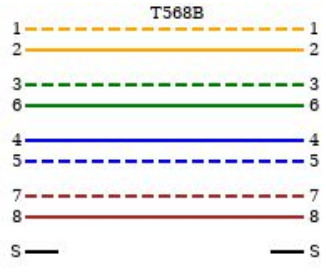
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.1	6.1	5.1	7.2
Freq. (MHz)	486.0	193.5	486.0	468.0
Limit (dB)	6.0	9.1	6.0	6.0

Compliant Network Standards:

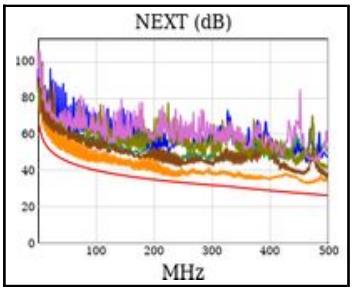
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

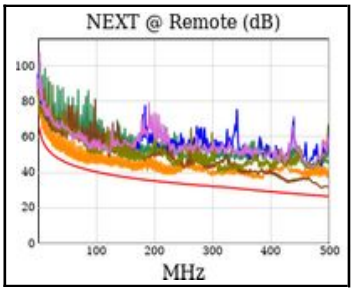


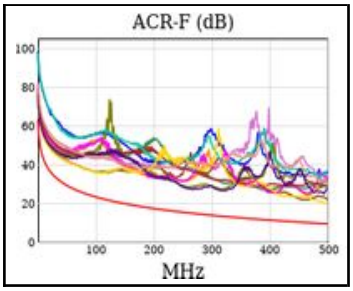
PASS

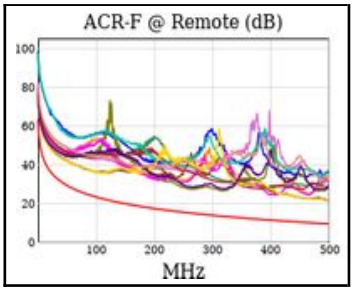


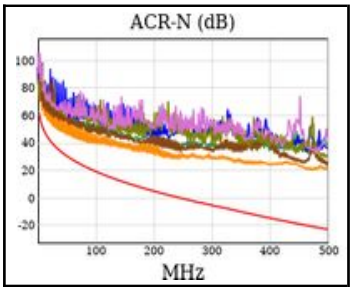


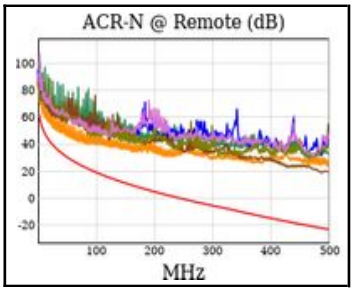


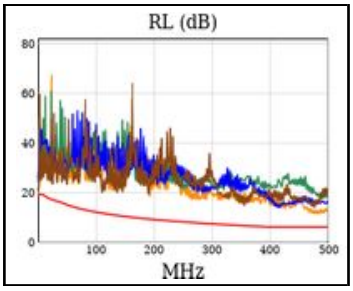


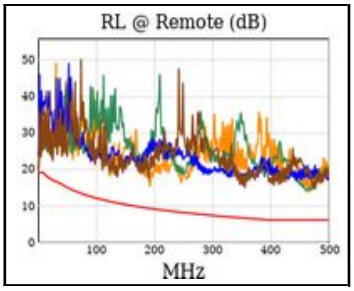












FLUKE networks

LinkWare Live

Cable ID: 128-A

Test Summary: PASS

Date / Time: 12/04/2022 05:29:53 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 4,5]	316
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	21.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.3	6.7	7.9	6.7
Freq. (MHz)	172.0	499.0	471.0	499.0
Limit (dB)	35.9	26.1	26.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.2	7.3	9.0	8.9
Freq. (MHz)	174.5	3.3	471.0	499.0
Limit (dB)	32.9	62.0	23.9	23.3

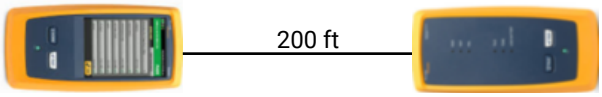
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.3	10.3	10.6
Freq. (MHz)	490.0	262.0	490.0	500.0
Limit (dB)	9.5	14.9	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.0	12.4	11.5
Freq. (MHz)	343.0	334.0	490.0	500.0
Limit (dB)	9.6	9.8	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.5	9.3	33.3	29.2
Freq. (MHz)	5.0	5.1	498.0	500.0
Limit (dB)	56.9	56.6	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	9.1	32.6	30.9
Freq. (MHz)	5.0	3.3	500.0	499.0
Limit (dB)	54.3	58.2	-26.1	-26.0

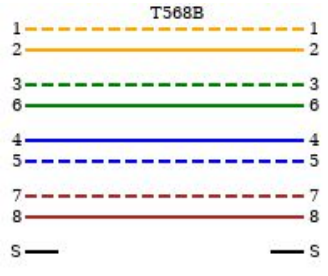
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.5	5.0	6.4	7.1
Freq. (MHz)	9.4	9.4	474.0	337.0
Limit (dB)	19.0	19.0	6.0	6.7

Compliant Network Standards:

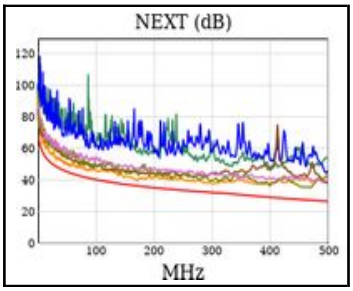
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

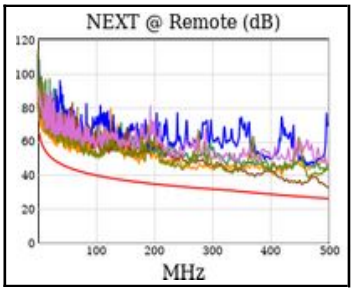


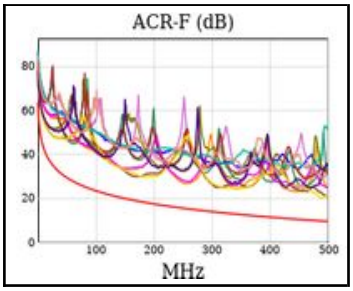
PASS

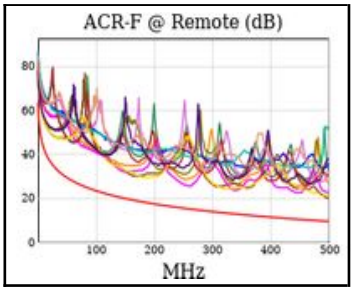


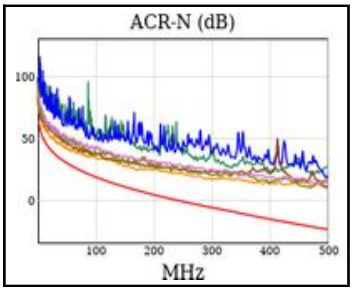


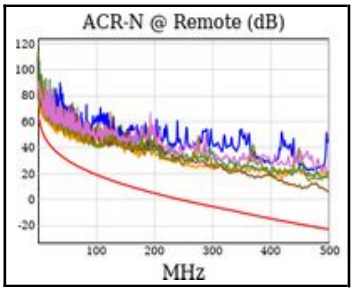


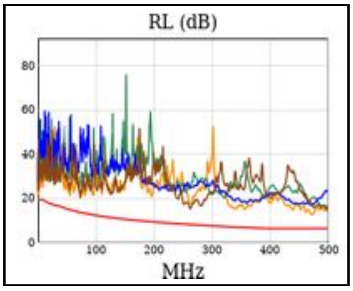


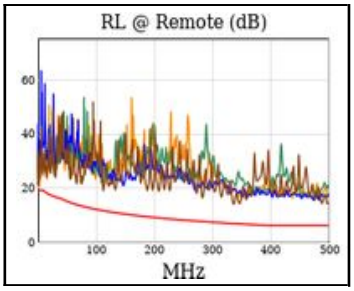












FLUKE networks

LinkWare Live

Cable ID: 128-B

Test Summary: PASS

Date / Time: 12/04/2022 05:30:18 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	22.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.0	7.6	6.6	7.6
Freq. (MHz)	163.0	500.0	392.0	500.0
Limit (dB)	36.3	26.1	29.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.8	6.9	7.5	10.1
Freq. (MHz)	159.0	3.4	392.0	500.0
Limit (dB)	33.6	61.7	26.0	23.2

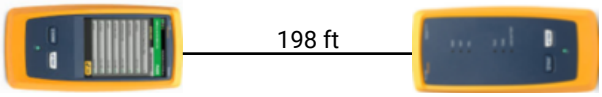
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.2	10.1	11.1	10.6
Freq. (MHz)	339.0	338.0	499.0	498.0
Limit (dB)	12.7	12.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.8	11.0	10.9
Freq. (MHz)	337.0	337.0	500.0	500.0
Limit (dB)	9.7	9.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	9.4	10.6	32.7	30.2
Freq. (MHz)	3.0	3.4	482.0	500.0
Limit (dB)	61.4	60.4	-21.8	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.7	8.7	34.2	32.2
Freq. (MHz)	3.1	3.4	500.0	500.0
Limit (dB)	58.3	57.9	-26.1	-26.1

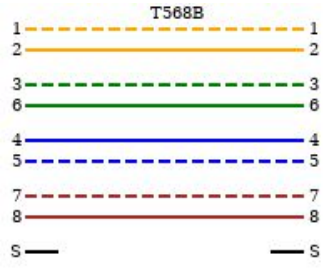
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.2	6.4	8.1	9.0
Freq. (MHz)	50.8	9.4	486.0	500.0
Limit (dB)	14.9	19.0	6.0	6.0

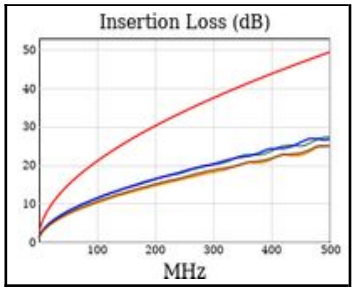
Compliant Network Standards:

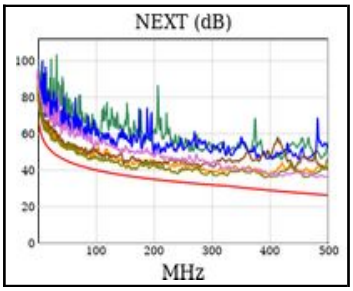
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

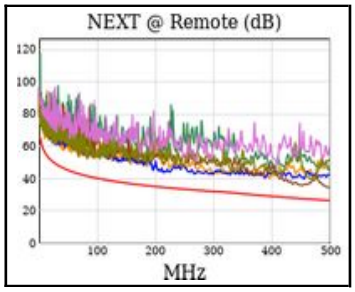


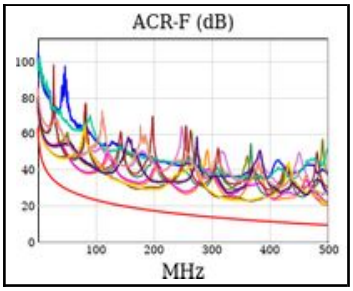
PASS

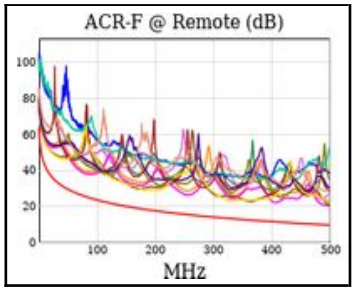


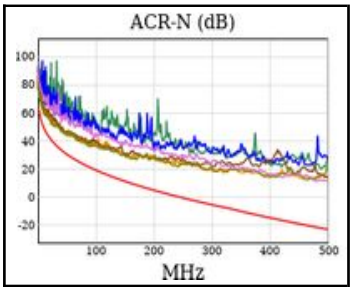


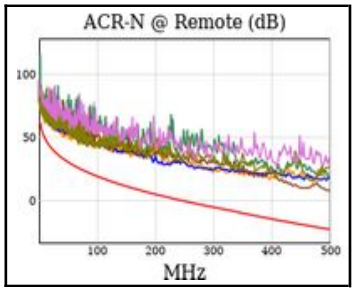


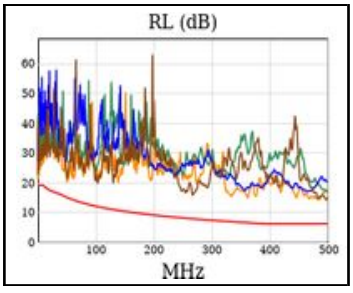


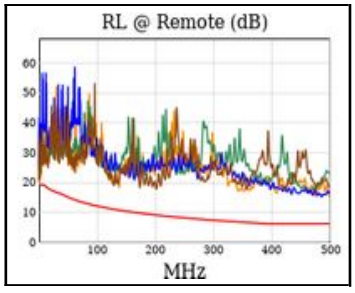












FLUKE networks

LinkWare Live

Cable ID: 128-A

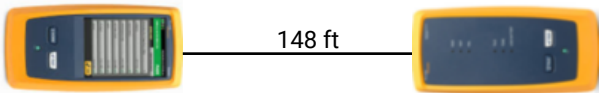
Test Summary: PASS

Date / Time: 11/27/2022 01:36:46 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

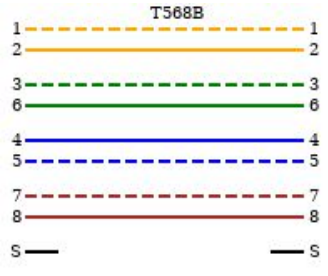
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	235
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0



PASS



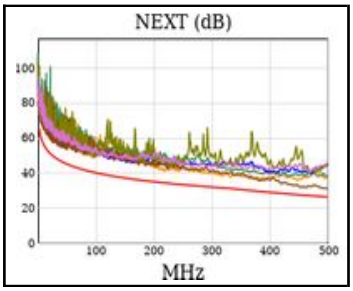
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.3	4.0	4.7	5.4
Freq. (MHz)	453.0	198.5	500.0	398.0
Limit (dB)	27.3	34.8	26.1	28.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	4.2	6.4	6.3
Freq. (MHz)	453.0	203.0	499.0	400.0
Limit (dB)	24.4	31.7	23.3	25.8

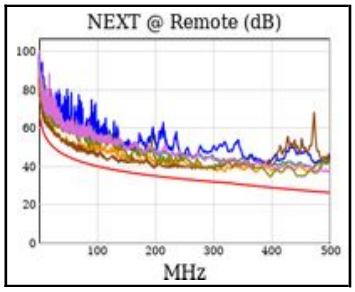
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.9	10.9	10.8
Freq. (MHz)	387.0	384.0	441.0	452.0
Limit (dB)	11.5	11.6	10.4	10.2
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	12.0	11.8	12.1	12.8
Freq. (MHz)	384.0	400.0	444.0	464.0
Limit (dB)	8.6	8.2	7.3	6.9

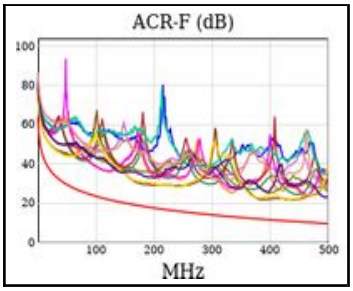
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.1	9.7	33.6	36.3
Freq. (MHz)	3.4	4.0	500.0	457.0
Limit (dB)	60.4	58.9	-23.2	-19.8
Worst Pair	4,5	3,6	3,6	7,8
PS ACR-N (dB)	11.6	9.6	34.6	38.0
Freq. (MHz)	3.4	4.1	495.0	479.0
Limit (dB)	57.9	56.1	-25.7	-24.4

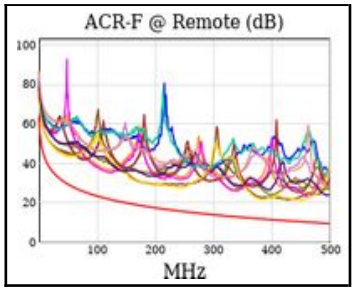
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.6	5.4	4.4	5.4
Freq. (MHz)	111.0	470.0	495.0	470.0
Limit (dB)	11.5	6.0	6.0	6.0

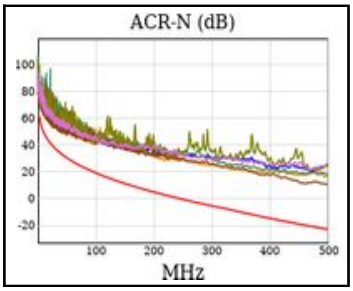


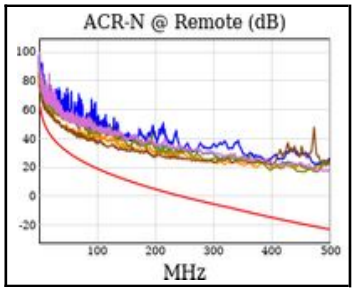


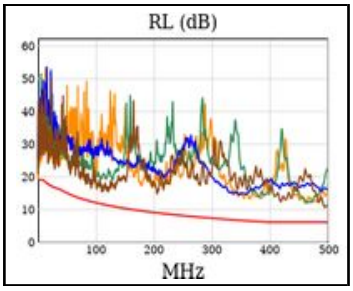


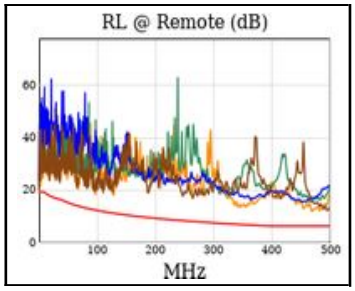












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-B

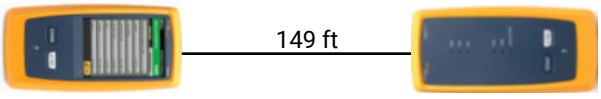
Test Summary: PASS

Date / Time: 11/27/2022 01:57:31 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

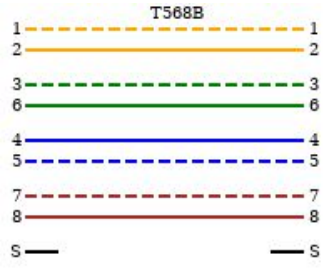
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

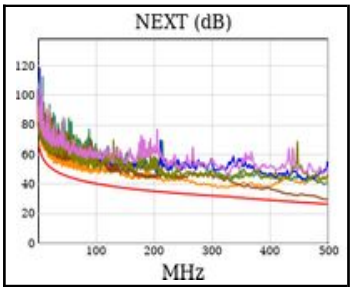
Length (ft), Limit 328	[Pair 1,2]	149
Prop. Delay (ns), Limit 555	[Pair 4,5]	235
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.9
Insertion Loss Margin (dB)	[Pair 3,6]	28.0
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

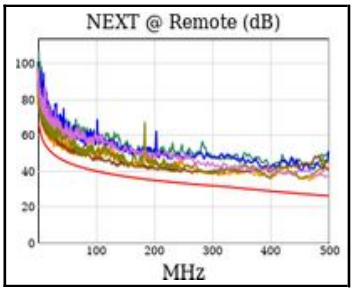


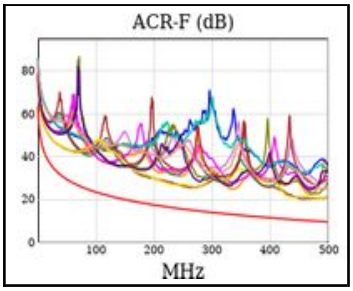
PASS

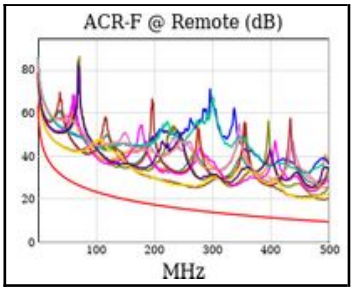


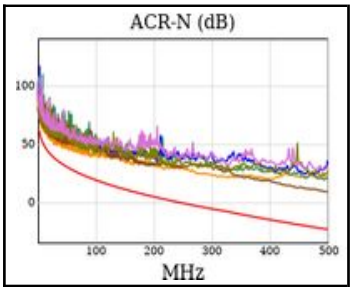


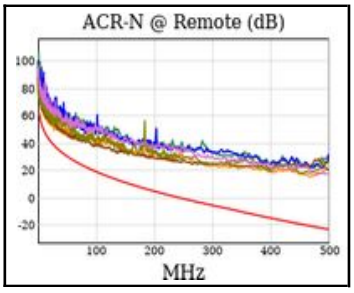


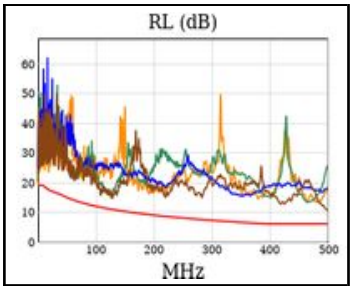


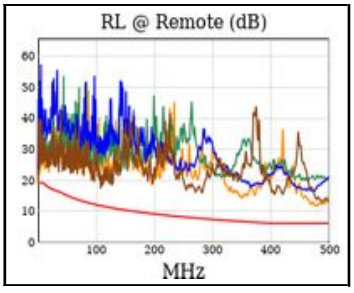












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.8	4.4	2.8	7.9
Freq. (MHz)	494.0	28.4	494.0	467.0
Limit (dB)	26.2	49.1	26.2	26.9
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	5.1	4.4	5.1	8.2
Freq. (MHz)	494.0	156.5	494.0	467.0
Limit (dB)	23.4	33.7	23.4	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	10.0	10.0	10.0
Freq. (MHz)	457.0	493.0	458.0	493.0
Limit (dB)	10.1	9.4	10.0	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.1	10.5	10.2
Freq. (MHz)	470.0	479.0	470.0	483.0
Limit (dB)	6.8	6.7	6.8	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	9.7	32.0	35.8
Freq. (MHz)	7.0	7.0	500.0	468.0
Limit (dB)	53.7	53.7	-23.2	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	8.8	33.1	36.0
Freq. (MHz)	4.4	4.4	494.0	467.0
Limit (dB)	55.6	55.6	-25.6	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.7	4.9	4.6	5.4
Freq. (MHz)	130.0	19.5	499.0	482.0
Limit (dB)	10.9	17.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-A

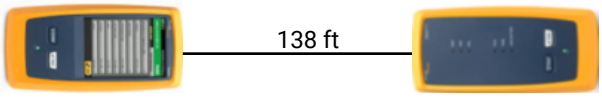
Test Summary: PASS

Date / Time: 12/03/2022 06:43:31 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

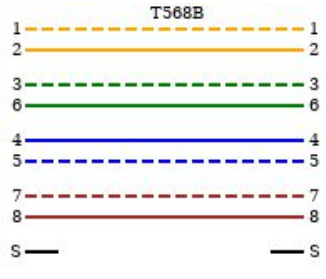
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

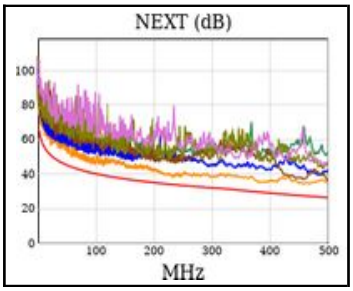
Length (ft), Limit 328	[Pair 1,2]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

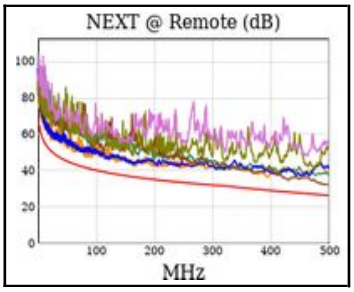


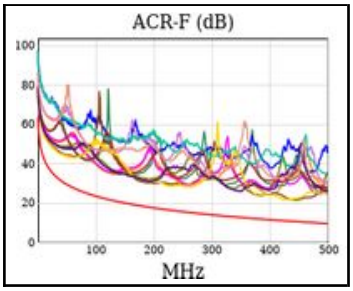
PASS

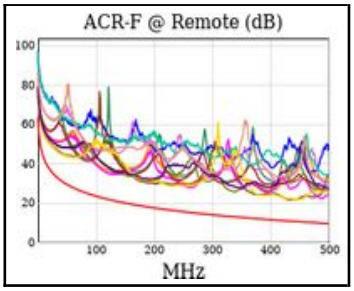


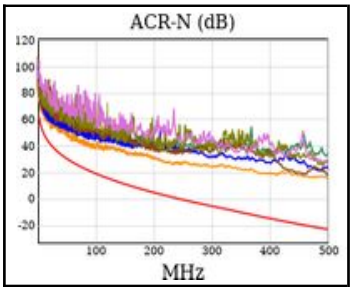


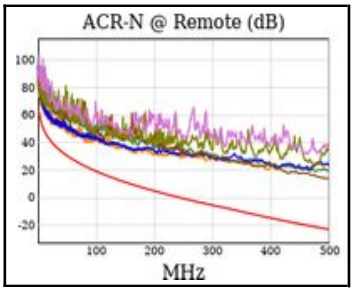


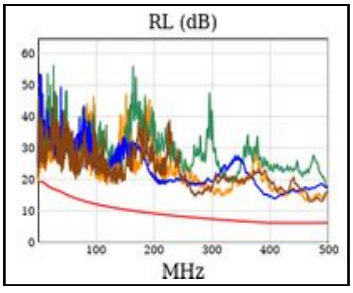


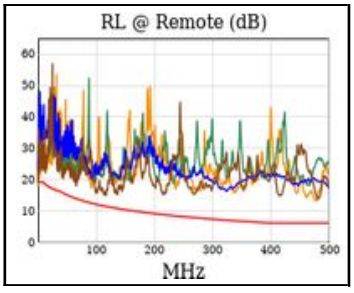












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	5.5	6.8	5.6
Freq. (MHz)	232.5	492.0	460.0	500.0
Limit (dB)	33.7	26.3	27.1	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	6.5	6.3	7.7	7.5
Freq. (MHz)	232.5	168.0	460.0	500.0
Limit (dB)	30.7	33.2	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.8	11.0	10.8
Freq. (MHz)	425.0	433.0	448.0	433.0
Limit (dB)	10.7	10.5	10.2	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.9	11.4	12.5
Freq. (MHz)	398.0	3.3	398.0	489.0
Limit (dB)	8.3	50.0	8.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.9	9.9	38.6	36.5
Freq. (MHz)	5.0	5.1	499.0	500.0
Limit (dB)	56.9	56.6	-23.1	-23.2
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.3	11.1	39.1	37.8
Freq. (MHz)	5.3	5.1	500.0	500.0
Limit (dB)	53.9	54.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	6.1	3.4	6.7	6.9
Freq. (MHz)	66.3	118.0	463.0	478.0
Limit (dB)	13.8	11.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-B

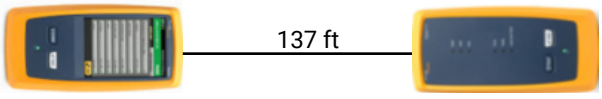
Test Summary: PASS

Date / Time: 12/03/2022 06:50:19 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

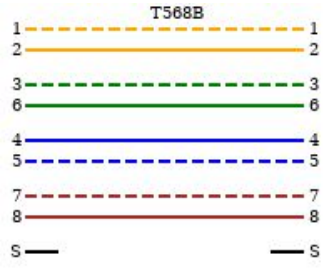
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

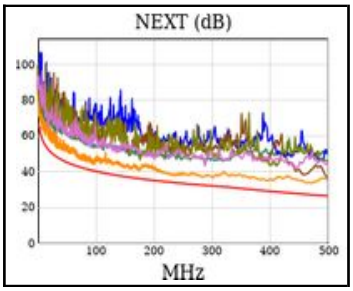
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	218
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

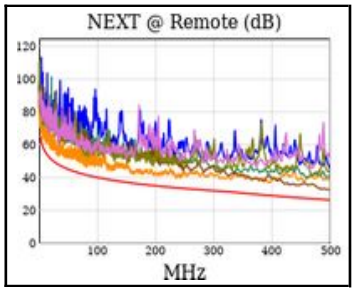


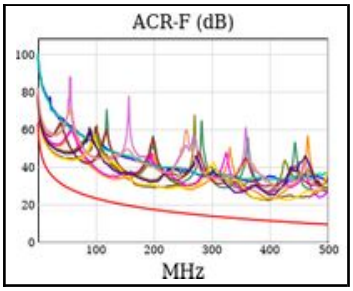
PASS

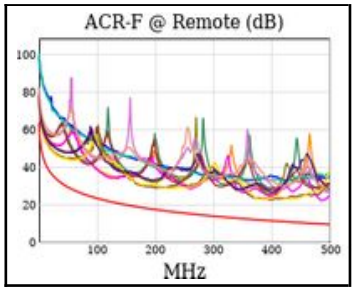


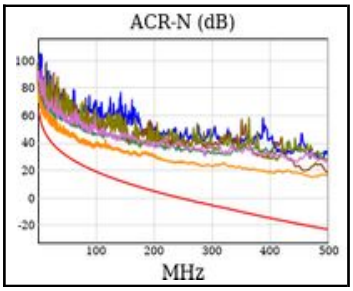


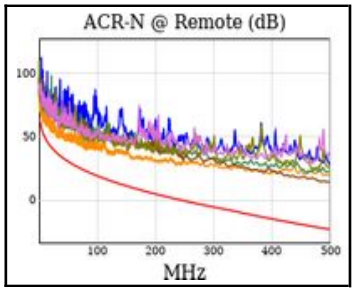


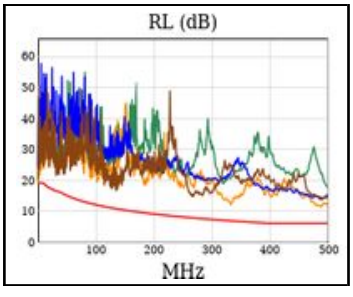


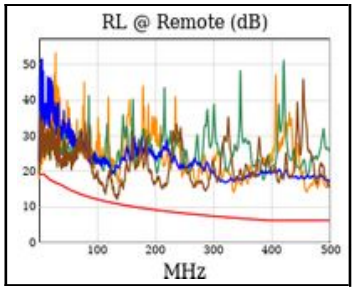












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.5	4.6	6.3	5.8
Freq. (MHz)	98.3	82.8	472.0	500.0
Limit (dB)	40.1	41.3	26.8	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.9	7.0	8.0	7.7
Freq. (MHz)	98.3	82.8	464.0	500.0
Limit (dB)	37.2	38.5	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	1,2-3,6
ACR-F (dB)	10.8	11.0	10.8	12.4
Freq. (MHz)	397.0	397.0	397.0	487.0
Limit (dB)	11.3	11.3	11.3	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	10.6	10.6
Freq. (MHz)	400.0	397.0	400.0	397.0
Limit (dB)	8.2	8.3	8.2	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	7.4	35.8	36.7
Freq. (MHz)	2.8	2.6	472.0	500.0
Limit (dB)	61.5	61.6	-21.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	9.7	39.2	37.7
Freq. (MHz)	2.8	2.6	500.0	500.0
Limit (dB)	58.5	58.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.9	1.2	5.2	1.2
Freq. (MHz)	334.0	135.5	490.0	135.5
Limit (dB)	6.8	10.7	6.0	10.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-A

Test Summary: PASS

Date / Time: 12/17/2022 05:37:54 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	319
Prop. Delay (ns), Limit 555	[Pair 4,5]	494
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	17.8
Insertion Loss Margin (dB)	[Pair 3,6]	8.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	4.9	6.1	8.1
Freq. (MHz)	3.0	3.0	454.0	439.0
Limit (dB)	65.0	65.0	27.2	27.6
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.4	6.3	6.5	11.0
Freq. (MHz)	296.0	3.1	456.0	485.0
Limit (dB)	28.9	62.0	24.3	23.6

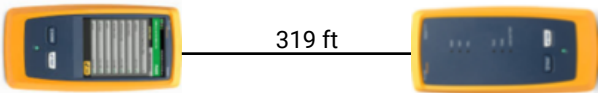
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.7	10.2	9.7	10.2
Freq. (MHz)	445.0	445.0	445.0	445.0
Limit (dB)	10.3	10.3	10.3	10.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.0	10.9	11.5	12.3
Freq. (MHz)	1.4	171.5	443.0	445.0
Limit (dB)	57.5	15.6	7.3	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	4.1	5.7	14.5	18.4
Freq. (MHz)	3.0	3.0	456.0	495.0
Limit (dB)	61.4	61.4	-19.7	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.7	7.1	17.6	19.4
Freq. (MHz)	6.1	3.1	494.0	491.0
Limit (dB)	52.4	58.3	-25.6	-25.4

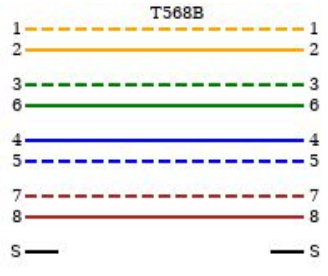
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	6.2	2.5	8.2	6.9
Freq. (MHz)	3.6	4.6	405.0	427.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

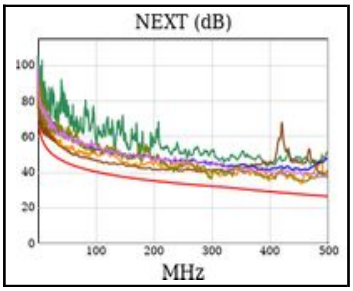
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

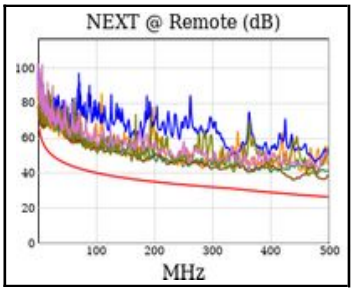


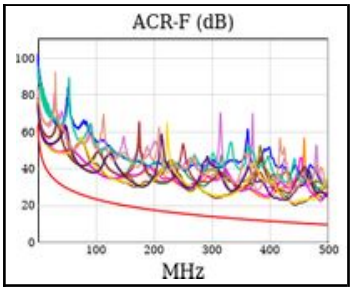
PASS

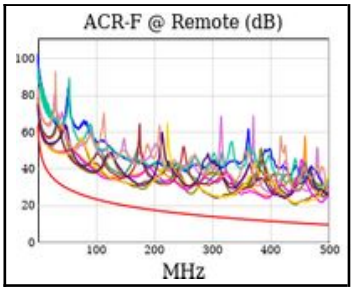


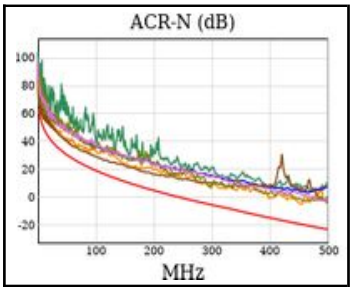


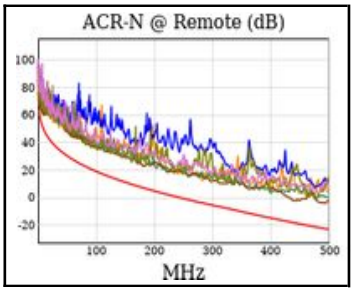


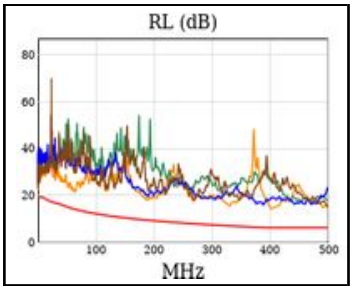


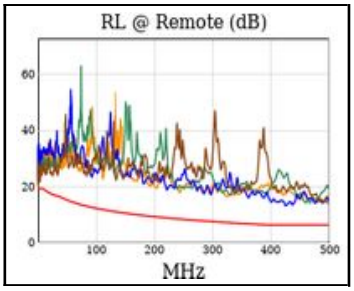












FLUKE networks

LinkWare Live

Cable ID: 128-B

Test Summary: PASS

Date / Time: 12/17/2022 05:38:35 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	319
Prop. Delay (ns), Limit 555	[Pair 4,5]	493
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 7,8]	17.3
Insertion Loss Margin (dB)	[Pair 3,6]	8.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.4	3.5	6.8	4.9
Freq. (MHz)	3.0	3.0	493.0	436.0
Limit (dB)	65.0	65.0	26.3	27.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	4.9	8.3	7.7
Freq. (MHz)	5.1	3.1	493.0	469.0
Limit (dB)	58.8	62.0	23.4	24.0

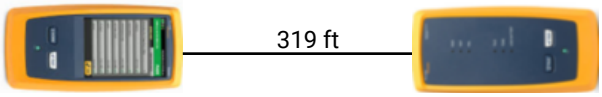
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	9.6	9.4	10.1
Freq. (MHz)	309.0	312.0	450.0	459.0
Limit (dB)	13.5	13.4	10.2	10.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.2	9.6	11.7	11.3
Freq. (MHz)	263.0	263.0	449.0	448.0
Limit (dB)	11.9	11.9	7.2	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	4.2	4.3	14.8	15.4
Freq. (MHz)	3.0	3.0	493.0	500.0
Limit (dB)	61.4	61.4	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.0	5.7	16.2	16.9
Freq. (MHz)	5.1	3.1	493.0	500.0
Limit (dB)	54.1	58.3	-25.5	-26.1

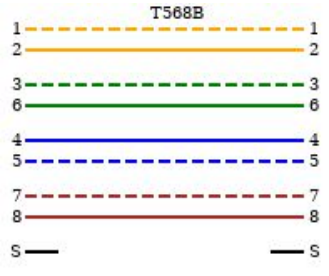
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.7	2.6	7.9	5.9
Freq. (MHz)	3.6	3.6	481.0	492.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

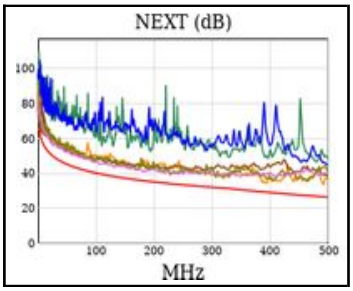
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

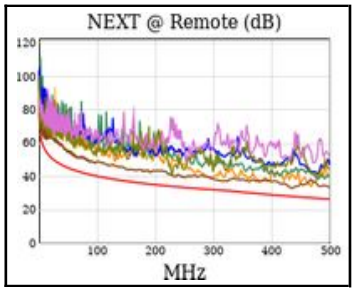


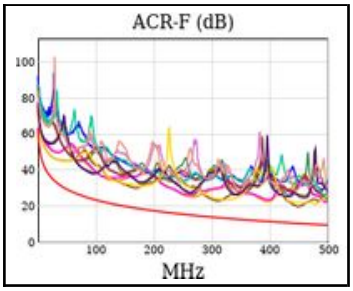
PASS

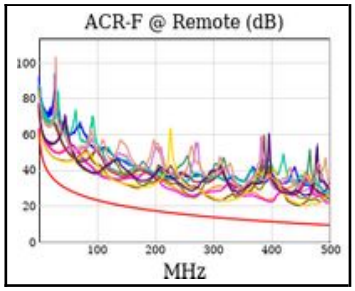


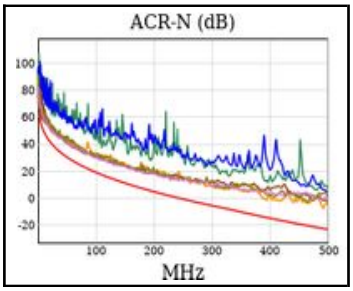


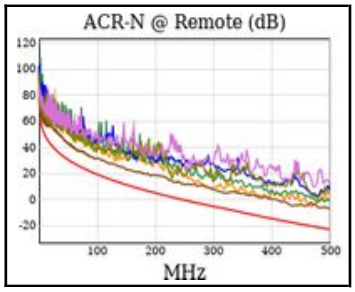


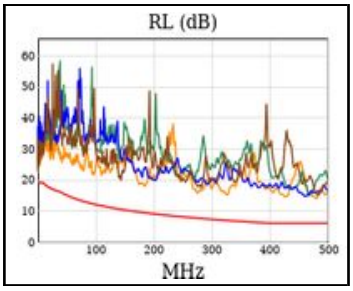


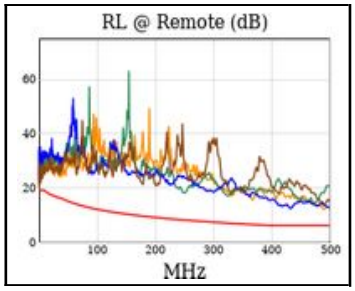












FLUKE networks

LinkWare Live

Cable ID: 129-A

Test Summary: PASS

Date / Time: 12/17/2022 05:43:22 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	287
Prop. Delay (ns), Limit 555	[Pair 4,5]	446
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	11.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	7.8	5.4	9.0
Freq. (MHz)	114.0	3.4	403.0	500.0
Limit (dB)	39.0	64.2	28.6	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.4	9.0	6.0	10.8
Freq. (MHz)	81.0	3.4	401.0	500.0
Limit (dB)	38.7	61.7	25.8	23.2

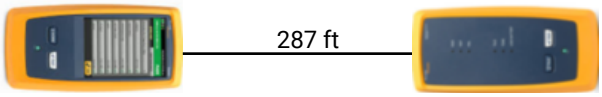
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	9.6	12.0	11.3
Freq. (MHz)	328.0	328.0	494.0	500.0
Limit (dB)	12.9	12.9	9.4	9.3
Worst Pair	4,5	4,5	4,5	3,6
PS ACR-F (dB)	11.5	11.0	13.1	11.5
Freq. (MHz)	312.0	315.0	500.0	496.0
Limit (dB)	10.4	10.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	6.6	8.9	19.7	21.4
Freq. (MHz)	4.4	3.4	492.0	500.0
Limit (dB)	58.1	60.4	-22.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.0	10.1	21.6	22.5
Freq. (MHz)	4.4	3.4	492.0	500.0
Limit (dB)	55.6	57.9	-25.5	-26.1

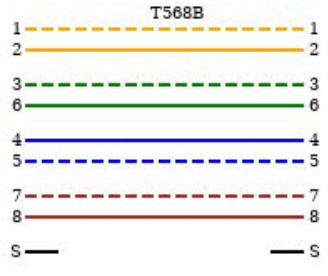
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	3,6
RL (dB)	5.6	4.8	8.0	6.8
Freq. (MHz)	192.0	5.3	388.0	469.0
Limit (dB)	9.2	19.0	6.1	6.0

Compliant Network Standards:

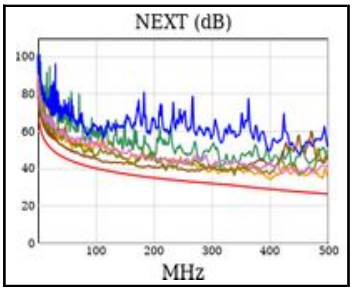
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

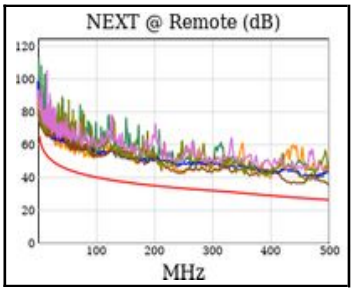


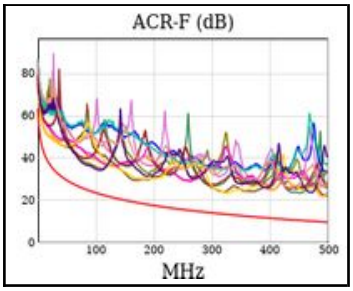
PASS

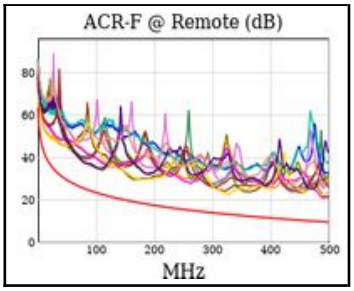


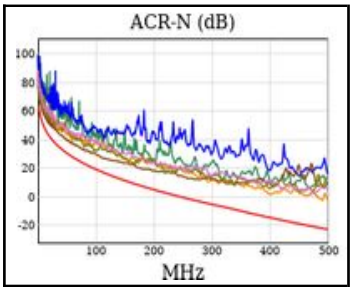


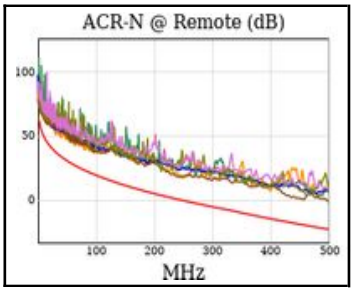


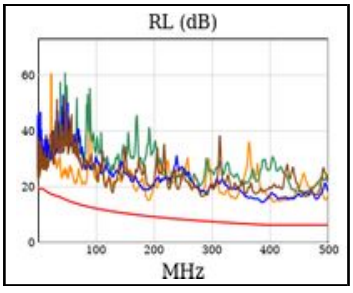


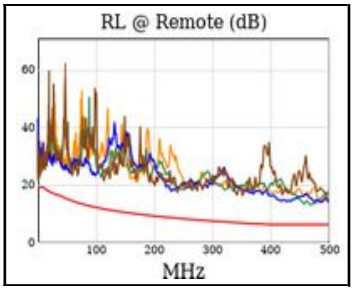












FLUKE networks

LinkWare Live

Cable ID: 129-A

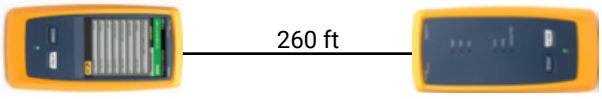
Test Summary: PASS

Date / Time: 11/23/2022 04:17:37 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

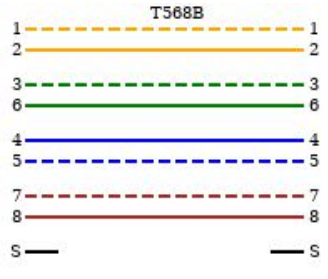
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

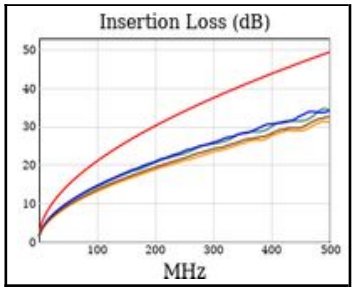
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	260
Prop. Delay (ns), Limit 555	[Pair 4,5]	410
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	14.9
Insertion Loss Margin (dB)	[Pair 3,6]	14.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

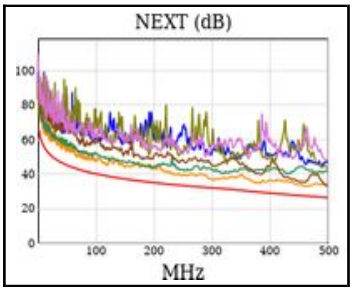


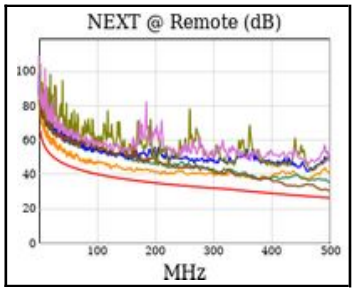
PASS



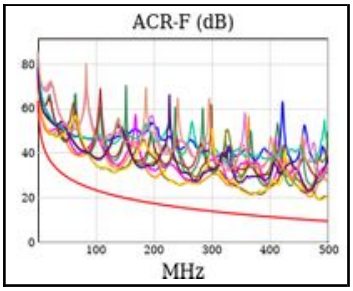


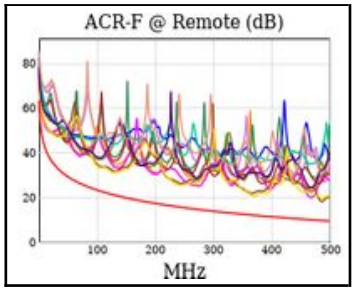
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.5	4.2	5.7	4.2
Freq. (MHz)	305.0	500.0	466.0	500.0
Limit (dB)	31.6	26.1	26.9	26.1
Worst Pair	1,2	4,5	3,6	4,5
PS NEXT (dB)	6.3	5.9	6.9	5.9
Freq. (MHz)	305.0	500.0	500.0	500.0
Limit (dB)	28.6	23.2	23.2	23.2



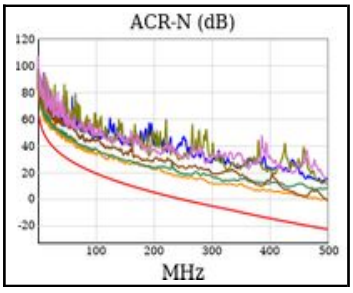


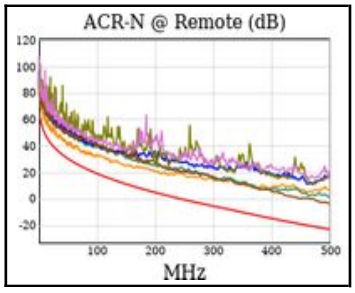
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	8.9	8.5	9.3	8.5
Freq. (MHz)	7.0	487.0	490.0	487.0
Limit (dB)	46.4	9.5	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.9	9.0	10.3	10.3
Freq. (MHz)	7.0	2.8	472.0	469.0
Limit (dB)	43.4	51.5	6.8	6.8



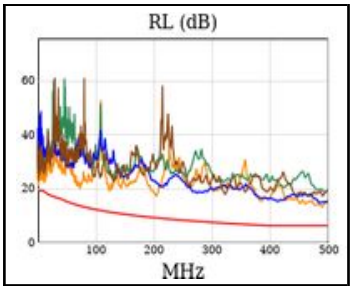


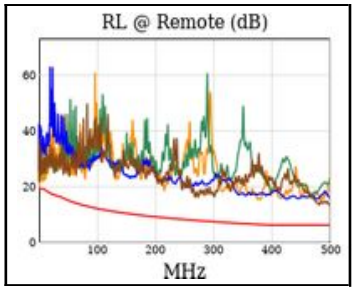
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.8	8.8	22.0	19.5
Freq. (MHz)	11.6	19.6	500.0	500.0
Limit (dB)	48.5	42.7	-23.2	-23.2
Worst Pair	1,2	1,2	3,6	4,5
PS ACR-N (dB)	11.2	10.8	21.8	21.2
Freq. (MHz)	5.3	13.0	500.0	500.0
Limit (dB)	53.9	44.7	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.0	2.7	7.0	7.2
Freq. (MHz)	11.1	7.1	491.0	499.0
Limit (dB)	18.8	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-A

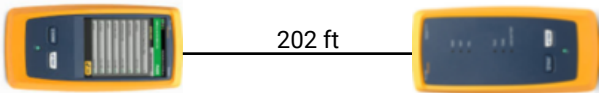
Test Summary: PASS

Date / Time: 11/22/2022 02:04:39 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

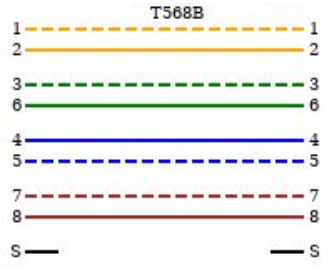
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

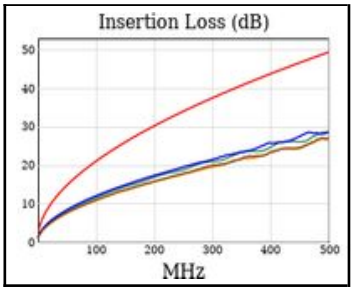
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

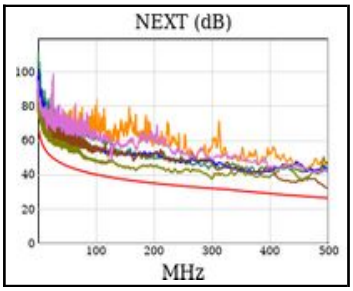
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	312
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	20.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

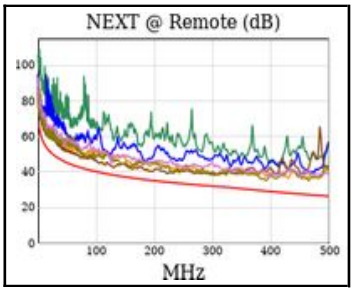


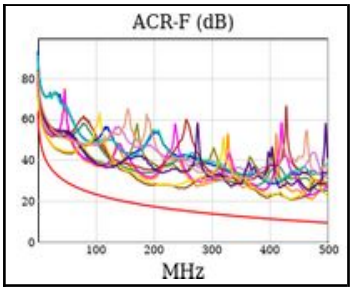
PASS

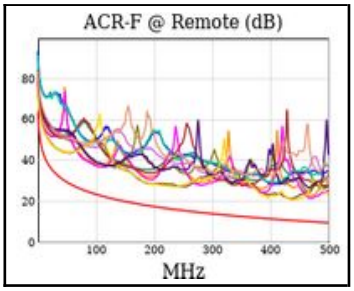


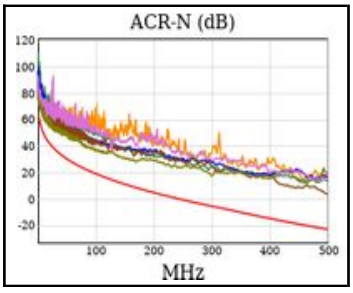


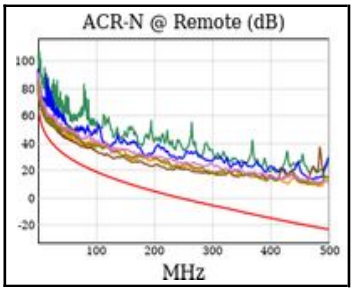


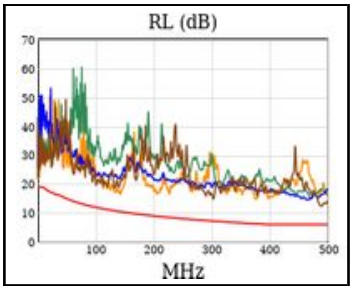


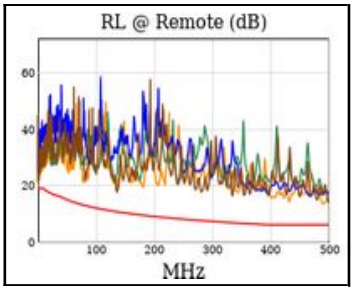












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.5	4.3	5.9	7.8
Freq. (MHz)	301.0	131.0	500.0	466.0
Limit (dB)	31.7	37.9	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.0	4.1	7.9	8.0
Freq. (MHz)	3.3	163.0	500.0	462.0
Limit (dB)	62.0	33.4	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	10.0	10.2	10.1
Freq. (MHz)	194.5	436.0	438.0	438.0
Limit (dB)	17.5	10.5	10.4	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.3	11.5	11.6
Freq. (MHz)	440.0	194.5	440.0	469.0
Limit (dB)	7.4	14.5	7.4	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	8.2	26.8	30.1
Freq. (MHz)	3.3	3.1	500.0	483.0
Limit (dB)	60.7	61.1	-23.2	-21.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.9	8.3	28.8	30.0
Freq. (MHz)	3.3	3.3	500.0	483.0
Limit (dB)	58.2	58.2	-26.1	-24.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.1	6.3	6.3	7.4
Freq. (MHz)	143.5	9.1	490.0	491.0
Limit (dB)	10.4	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-B

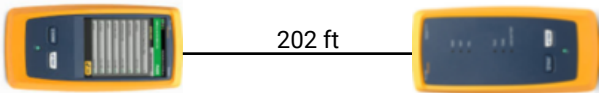
Test Summary: PASS

Date / Time: 11/22/2022 02:05:45 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

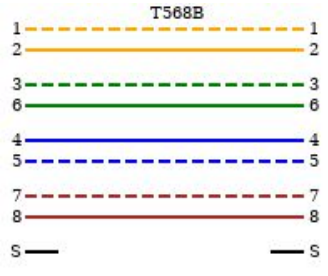
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

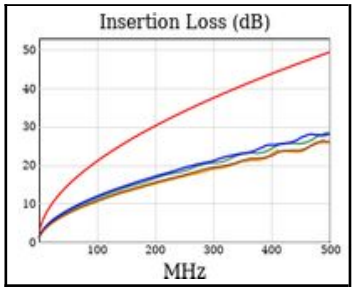
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

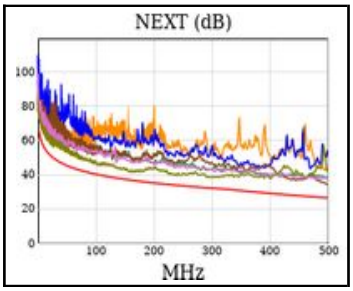
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	313
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 4,5]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	20.6
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

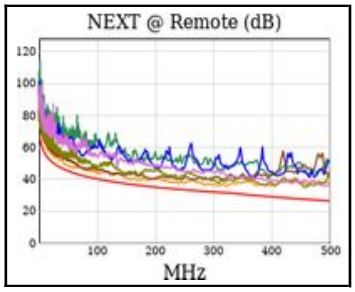


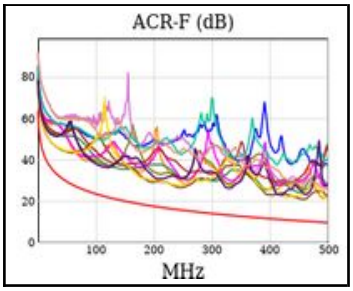
PASS

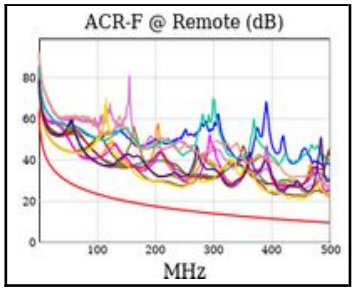


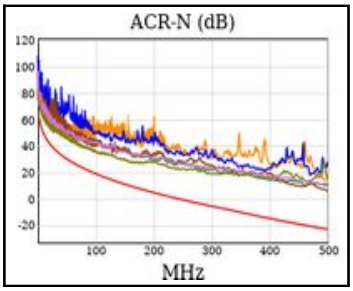


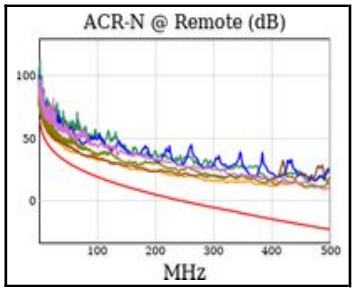


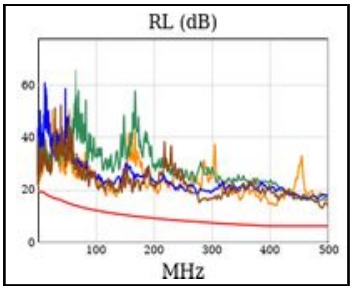


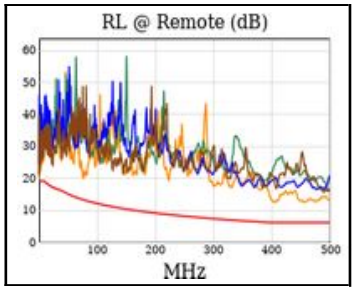












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.5	2.7	7.9	7.6
Freq. (MHz)	159.0	158.0	499.0	458.0
Limit (dB)	36.5	36.5	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.9	3.1	8.1	6.3
Freq. (MHz)	3.3	170.0	500.0	389.0
Limit (dB)	62.0	33.1	23.2	26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.6	10.6	10.6
Freq. (MHz)	457.0	452.0	459.0	452.0
Limit (dB)	10.1	10.2	10.0	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.5	11.7	11.8
Freq. (MHz)	422.0	251.0	496.0	452.0
Limit (dB)	7.8	12.3	6.3	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	8.1	29.3	32.2
Freq. (MHz)	3.3	4.8	500.0	500.0
Limit (dB)	60.7	57.3	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.8	6.7	29.4	31.5
Freq. (MHz)	3.3	3.3	500.0	493.0
Limit (dB)	58.2	58.2	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.3	6.2	6.8	6.2
Freq. (MHz)	118.0	406.0	491.0	406.0
Limit (dB)	11.3	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-A

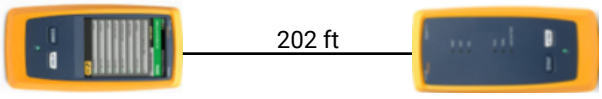
Test Summary: PASS

Date / Time: 11/19/2022 05:44:25 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

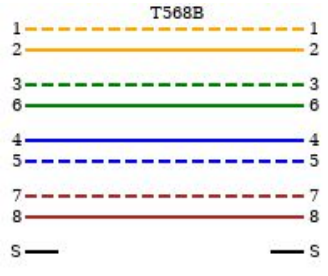
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

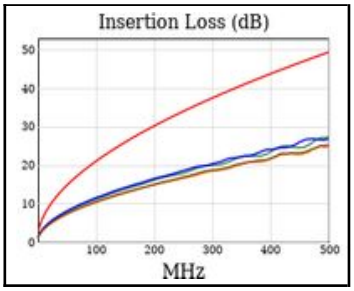
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 4,5]	319
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

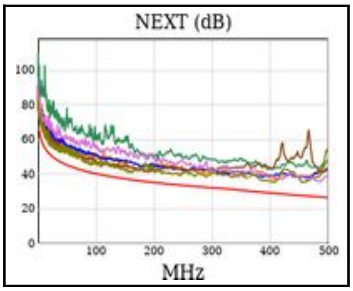


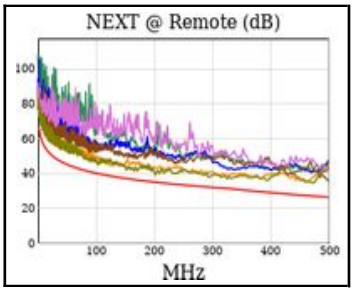
PASS



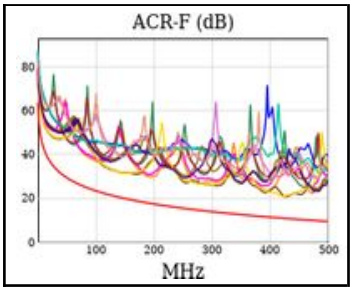


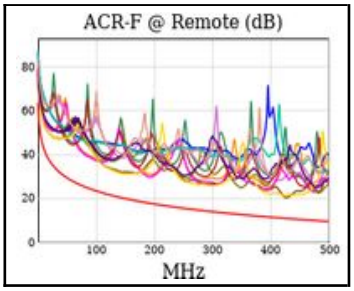
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.8	3.9	7.6	7.6
Freq. (MHz)	156.0	203.0	456.0	475.0
Limit (dB)	36.6	34.7	27.2	26.7
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	3.7	5.3	7.7	7.2
Freq. (MHz)	161.5	203.0	464.0	461.0
Limit (dB)	33.5	31.7	24.1	24.2



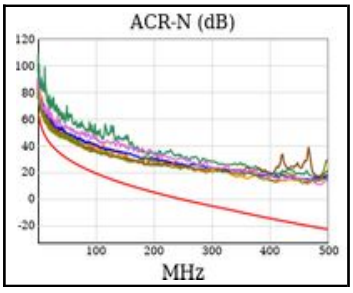


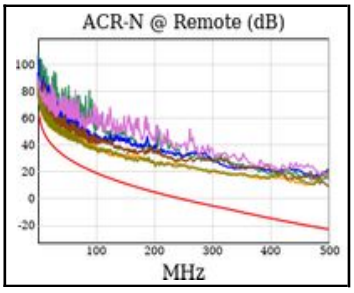
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.5	9.9	9.6
Freq. (MHz)	427.0	426.0	427.0	428.0
Limit (dB)	10.6	10.7	10.6	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	12.1	11.9
Freq. (MHz)	5.3	2.1	476.0	483.0
Limit (dB)	45.9	53.7	6.7	6.6



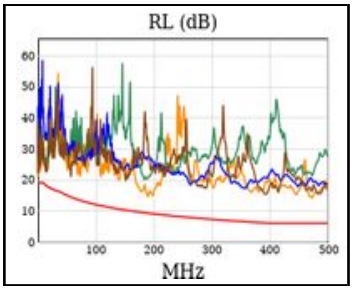


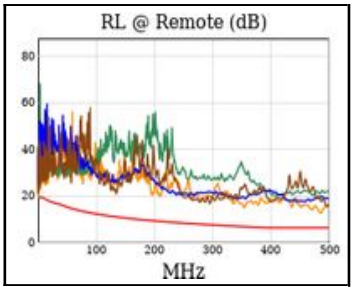
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	8.5	8.4	32.7	31.9
Freq. (MHz)	5.0	5.0	489.0	500.0
Limit (dB)	56.9	56.9	-22.3	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.1	9.1	32.5	30.3
Freq. (MHz)	4.8	3.3	489.0	476.0
Limit (dB)	54.8	58.2	-25.2	-24.2





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.4	6.1	8.0	6.3
Freq. (MHz)	15.8	14.4	473.0	487.0
Limit (dB)	18.0	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 128-B

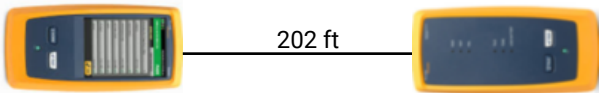
Test Summary: PASS

Date / Time: 11/19/2022 05:44:53 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

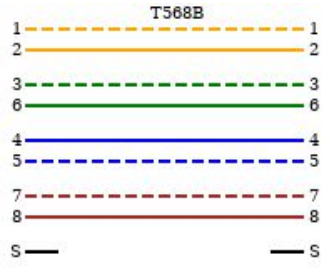
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

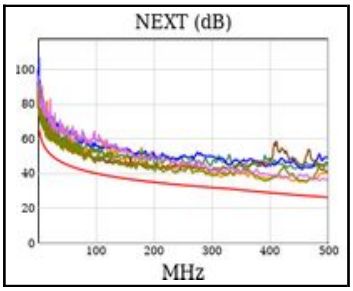
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 4,5]	318
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	21.7
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

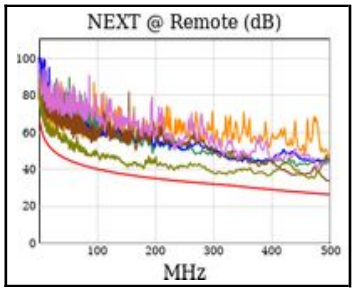


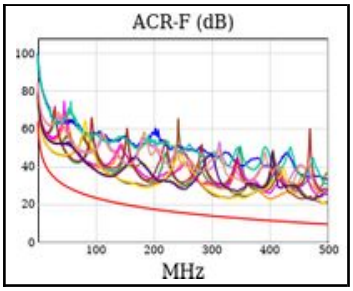
PASS

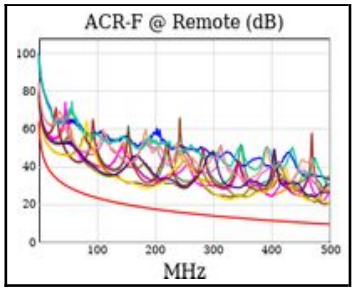


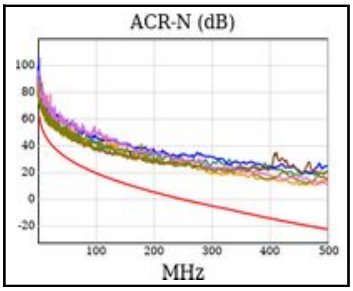


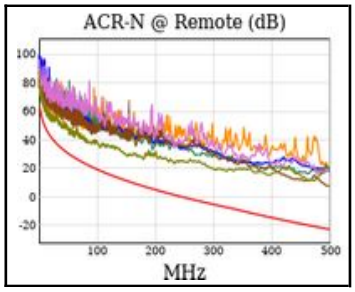


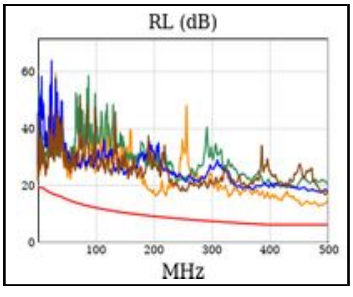


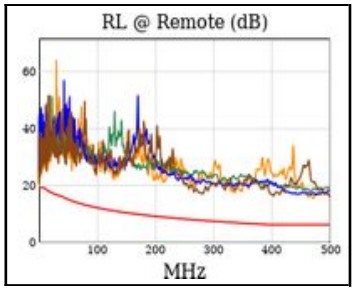












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.8	4.0	7.9	7.3
Freq. (MHz)	80.8	153.0	462.0	500.0
Limit (dB)	41.5	36.8	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.9	6.5	7.9	9.4
Freq. (MHz)	80.8	153.0	463.0	500.0
Limit (dB)	38.7	33.9	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	9.4	10.4	10.4
Freq. (MHz)	329.0	323.0	500.0	494.0
Limit (dB)	12.9	13.1	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.6	11.8	10.6
Freq. (MHz)	323.0	487.0	500.0	487.0
Limit (dB)	10.1	6.5	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	9.5	31.4	30.1
Freq. (MHz)	3.1	5.0	479.0	500.0
Limit (dB)	61.1	56.9	-21.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	9.1	30.4	31.9
Freq. (MHz)	3.3	3.3	465.0	500.0
Limit (dB)	58.2	58.2	-23.3	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	5.0	6.2	6.4	9.4
Freq. (MHz)	14.1	14.4	485.0	472.0
Limit (dB)	18.3	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-A

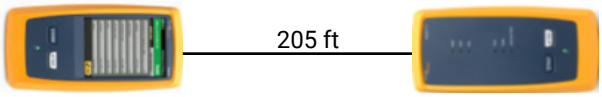
Test Summary: PASS

Date / Time: 11/19/2022 05:47:23 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

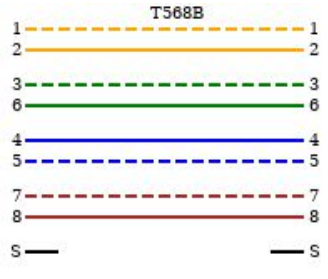
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

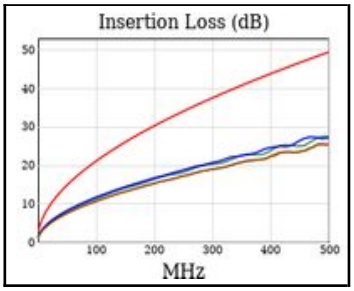
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

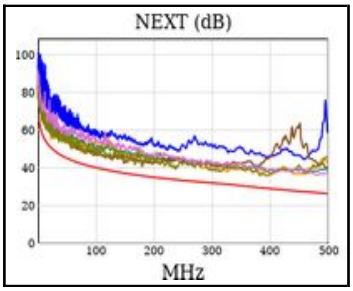
Length (ft), Limit 328	[Pair 1,2]	205
Prop. Delay (ns), Limit 555	[Pair 4,5]	322
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	21.6
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

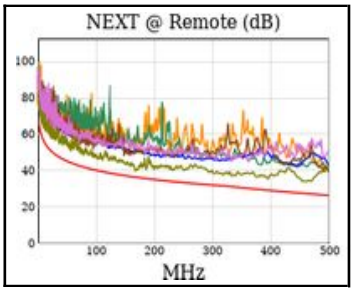


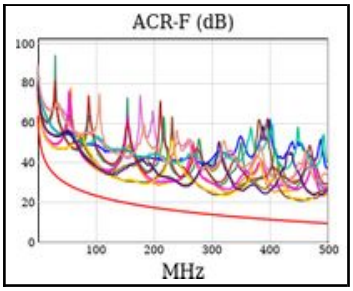
PASS

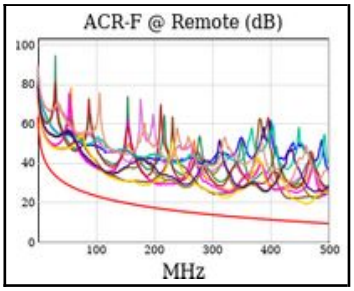


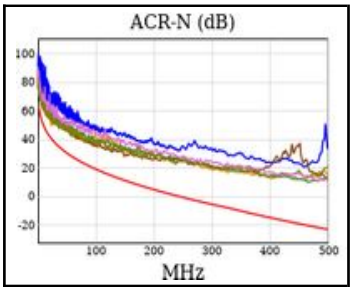


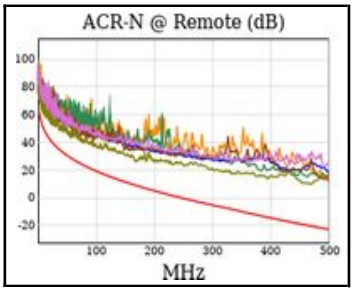


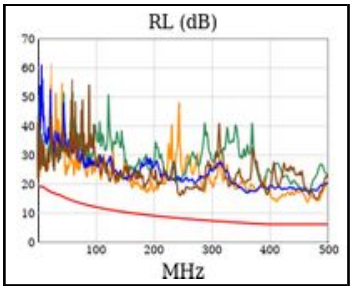


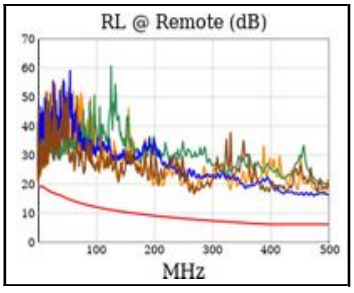












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.3	3.0	6.8	6.7
Freq. (MHz)	23.8	168.0	398.0	462.0
Limit (dB)	50.4	36.1	28.8	27.0
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	4.6	5.5	6.4	9.0
Freq. (MHz)	23.6	168.0	384.0	457.0
Limit (dB)	47.8	33.2	26.3	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.1	10.7	9.1
Freq. (MHz)	305.0	464.0	466.0	464.0
Limit (dB)	13.6	9.9	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.1	12.7	12.1
Freq. (MHz)	121.0	3.8	494.0	487.0
Limit (dB)	18.6	48.8	6.4	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-4,5	3,6-7,8
ACR-N (dB)	8.7	9.1	30.5	30.3
Freq. (MHz)	6.6	6.6	467.0	471.0
Limit (dB)	54.2	54.2	-20.6	-20.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.7	8.4	30.9	31.2
Freq. (MHz)	3.1	3.3	483.0	471.0
Limit (dB)	58.3	58.2	-24.8	-23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	4,5
RL (dB)	6.2	6.5	7.7	9.8
Freq. (MHz)	15.8	10.6	466.0	475.0
Limit (dB)	18.0	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-B

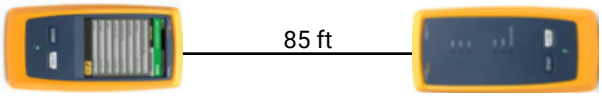
Test Summary: PASS

Date / Time: 11/25/2022 06:37:04 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

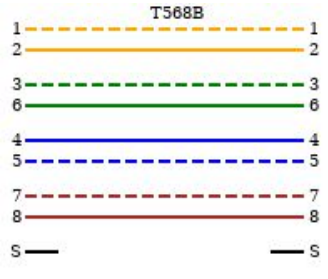
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

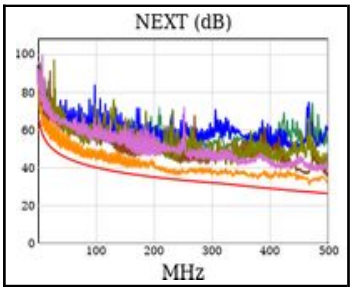
Length (ft), Limit 328	[Pair 7,8]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	132
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.7
Frequency (MHz)	[Pair 3,6]	487.0
Limit (dB)	[Pair 3,6]	48.6

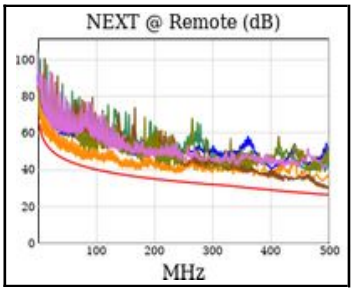


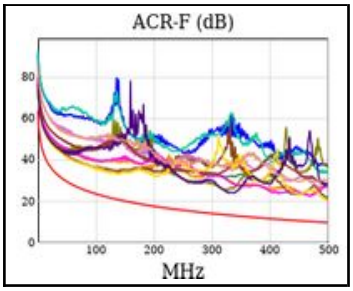
PASS

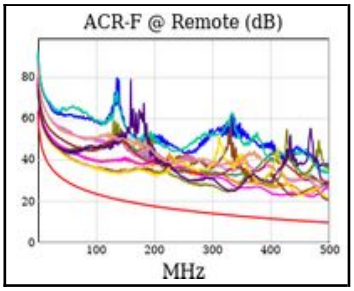


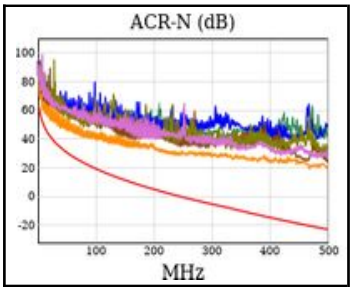


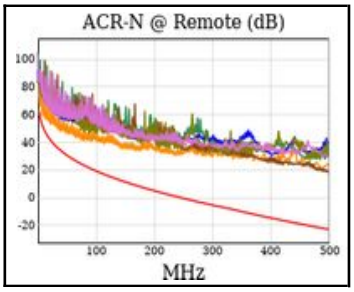


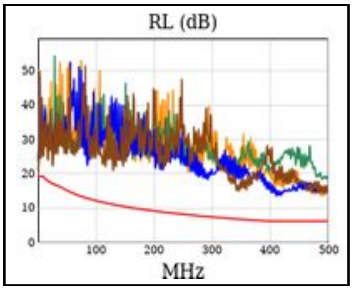


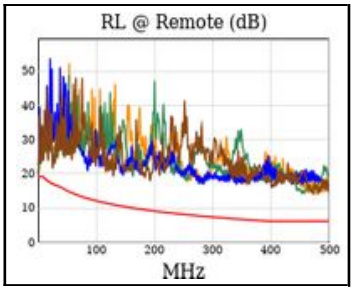












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.6	3.2	3.6	3.3
Freq. (MHz)	238.5	8.8	469.0	500.0
Limit (dB)	33.5	57.5	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.7	6.5	4.7
Freq. (MHz)	243.0	491.0	499.0	491.0
Limit (dB)	30.4	23.4	23.3	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.6	10.6	10.6
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.9	12.4	12.5
Freq. (MHz)	1.4	5.8	500.0	500.0
Limit (dB)	57.5	45.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.6	7.6	39.4	41.1
Freq. (MHz)	8.8	8.5	469.0	500.0
Limit (dB)	51.5	51.8	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	9.7	43.1	40.7
Freq. (MHz)	8.8	4.1	499.0	491.0
Limit (dB)	48.9	56.1	-26.0	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	7.0	7.6	7.0	7.6
Freq. (MHz)	412.0	478.0	412.0	478.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-A

Test Summary: PASS

Date / Time: 12/11/2022 12:38:51 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	175
Prop. Delay (ns), Limit 555	[Pair 4,5]	272
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	13.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.3	3.1	8.0	5.3
Freq. (MHz)	437.0	305.0	499.0	487.0
Limit (dB)	27.7	31.6	26.1	26.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.8	5.2	8.7	6.8
Freq. (MHz)	3.6	300.0	499.0	487.0
Limit (dB)	61.2	28.8	23.3	23.5

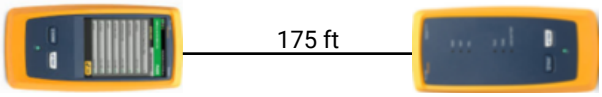
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.5	10.4	10.5
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.7	12.9	12.0
Freq. (MHz)	257.0	2.4	500.0	467.0
Limit (dB)	12.1	52.7	6.3	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.5	11.3	34.5	30.3
Freq. (MHz)	3.6	3.5	499.0	487.0
Limit (dB)	59.8	60.1	-23.1	-22.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.8	10.9	35.3	31.8
Freq. (MHz)	3.6	3.8	499.0	487.0
Limit (dB)	57.3	57.0	-26.0	-25.1

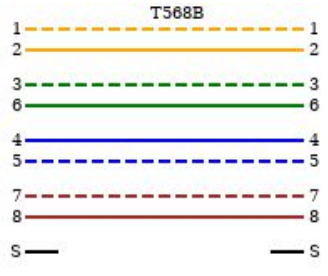
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.3	4.6	7.5	6.0
Freq. (MHz)	250.0	24.1	475.0	487.0
Limit (dB)	8.0	17.1	6.0	6.0

Compliant Network Standards:

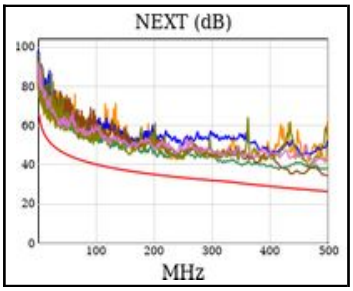
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

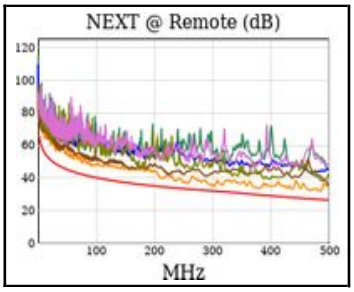


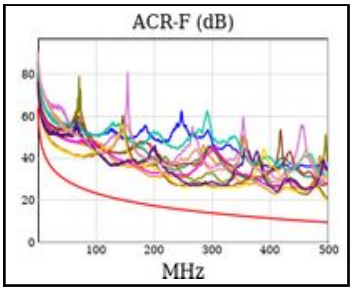
PASS

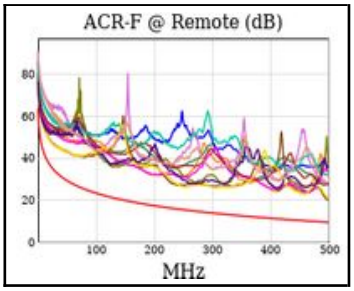


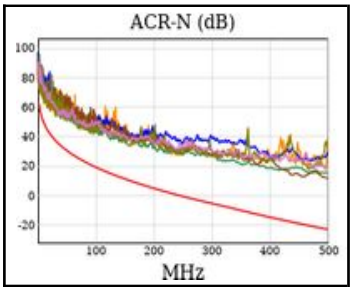


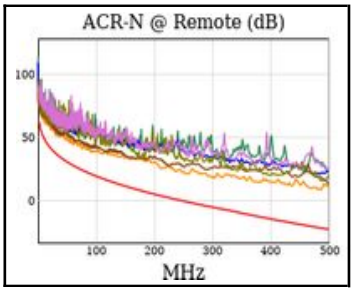


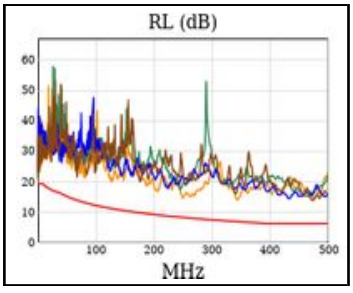


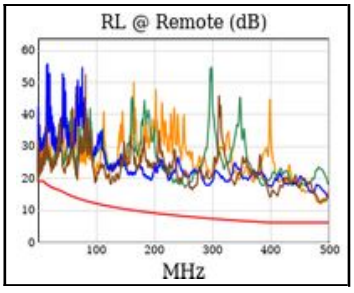












FLUKE networks

LinkWare Live

Cable ID: 129-B

Test Summary: PASS

Date / Time: 12/11/2022 12:39:40 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	174
Prop. Delay (ns), Limit 555	[Pair 4,5]	270
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	25.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.4	3.7	8.9	5.3
Freq. (MHz)	172.0	246.5	500.0	500.0
Limit (dB)	35.9	33.2	26.1	26.1
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	7.2	4.8	9.9	5.9
Freq. (MHz)	239.0	208.0	500.0	499.0
Limit (dB)	30.5	31.6	23.2	23.3

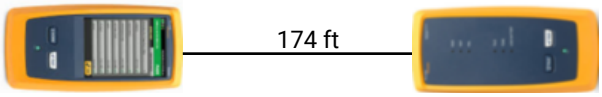
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-F (dB)	9.9	10.1	11.0	10.5
Freq. (MHz)	6.5	6.4	469.0	468.0
Limit (dB)	47.0	47.2	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.2	10.0	12.7	11.9
Freq. (MHz)	6.5	8.5	469.0	467.0
Limit (dB)	44.0	41.7	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.8	11.2	35.8	31.0
Freq. (MHz)	3.8	16.3	500.0	500.0
Limit (dB)	59.5	44.9	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	10.3	36.6	31.8
Freq. (MHz)	3.6	3.8	498.0	500.0
Limit (dB)	57.3	57.0	-25.9	-26.1

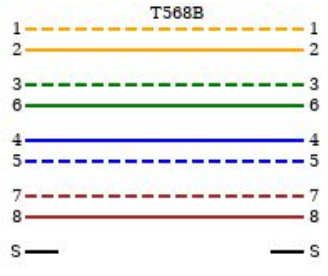
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	4.5	5.6	4.5	6.3
Freq. (MHz)	269.0	16.1	269.0	497.0
Limit (dB)	7.7	18.0	7.7	6.0

Compliant Network Standards:

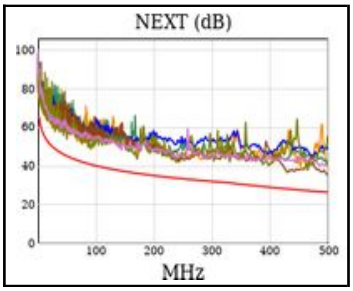
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

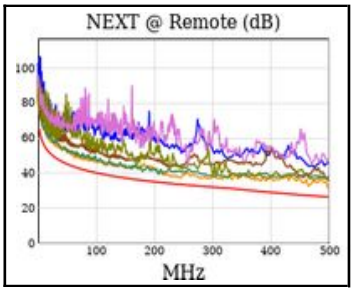


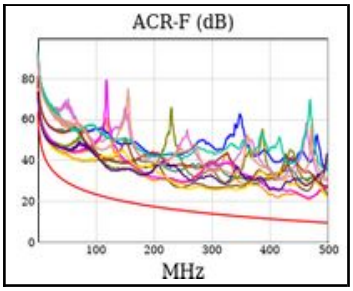
PASS

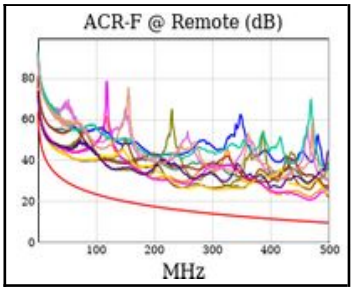


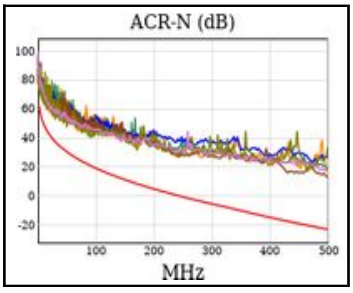


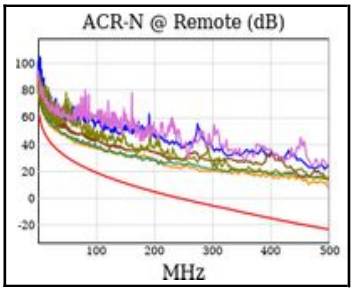


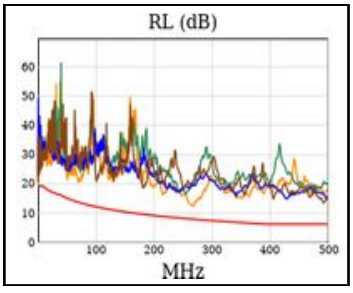


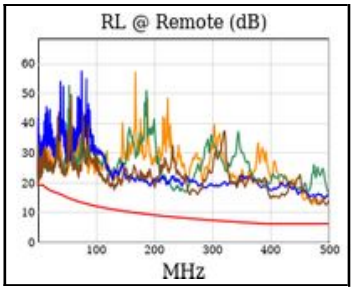












FLUKE networks

LinkWare Live

Cable ID: 130-A

Test Summary: PASS

Date / Time: 12/11/2022 12:42:42 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	307
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	12.8
Insertion Loss Margin (dB)	[Pair 3,6]	23.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.0	3.8	8.0	5.5
Freq. (MHz)	334.0	242.5	500.0	469.0
Limit (dB)	30.9	33.3	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.2	4.9	8.9	8.2
Freq. (MHz)	298.0	227.5	500.0	500.0
Limit (dB)	28.8	30.9	23.2	23.2

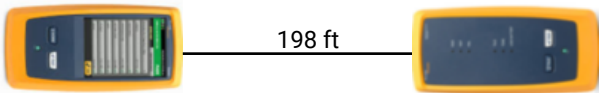
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.0	11.2	10.6
Freq. (MHz)	245.0	245.0	500.0	500.0
Limit (dB)	15.5	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.7	12.4	13.0
Freq. (MHz)	245.5	8.9	500.0	499.0
Limit (dB)	12.5	41.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	11.3	31.9	28.2
Freq. (MHz)	3.1	3.1	500.0	469.0
Limit (dB)	61.1	61.1	-23.2	-20.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.9	10.8	32.8	31.5
Freq. (MHz)	3.3	3.4	500.0	500.0
Limit (dB)	58.2	57.9	-26.1	-26.1

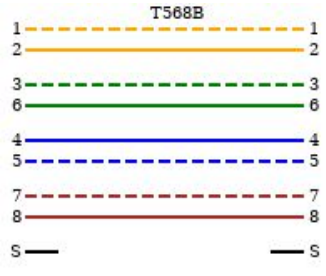
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.9	3.0	5.9	5.7
Freq. (MHz)	488.0	9.3	488.0	468.0
Limit (dB)	6.0	19.0	6.0	6.0

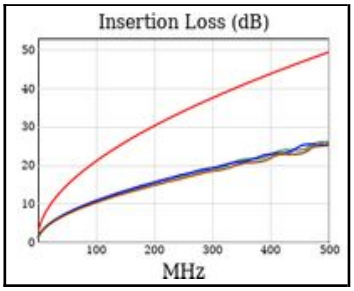
Compliant Network Standards:

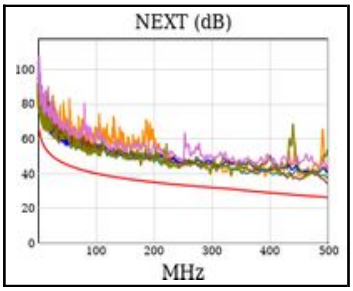
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

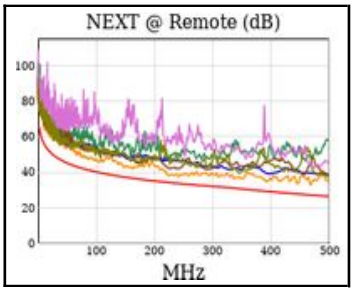


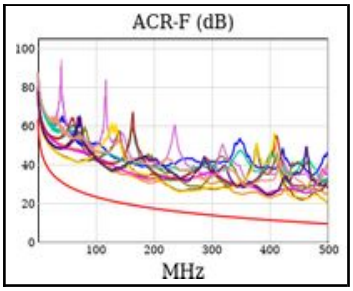
PASS

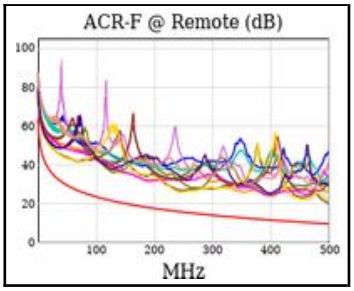


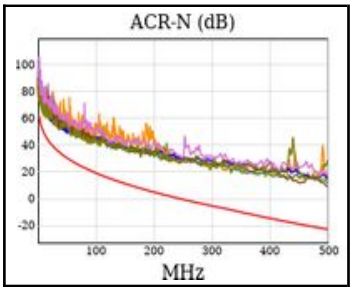


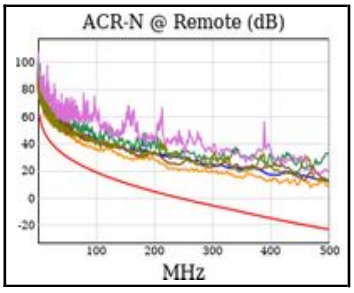


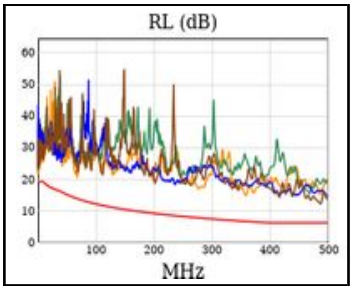


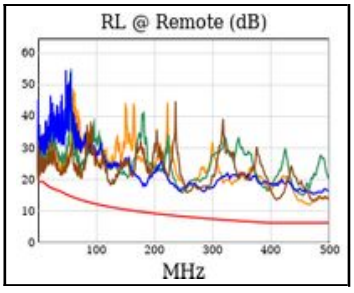












FLUKE networks

LinkWare Live

Cable ID: 130-B

Test Summary: PASS

Date / Time: 12/11/2022 12:43:04 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	306
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	12.7
Insertion Loss Margin (dB)	[Pair 3,6]	23.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.9	3.8	9.1	4.7
Freq. (MHz)	225.5	390.0	500.0	464.0
Limit (dB)	33.9	29.0	26.1	27.0
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	9.3	6.3	11.0	7.4
Freq. (MHz)	244.5	391.0	500.0	493.0
Limit (dB)	30.3	26.1	23.2	23.4

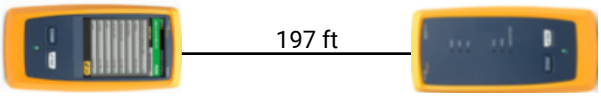
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.5	9.3	10.4	10.7
Freq. (MHz)	249.5	249.5	499.0	499.0
Limit (dB)	15.3	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.5	11.8	12.4
Freq. (MHz)	249.5	3.6	499.0	461.0
Limit (dB)	12.3	49.1	6.3	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	13.4	33.3	28.6
Freq. (MHz)	4.9	3.5	500.0	493.0
Limit (dB)	57.1	60.1	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.6	13.7	34.6	30.3
Freq. (MHz)	3.3	3.3	497.0	493.0
Limit (dB)	58.2	58.2	-25.8	-25.5

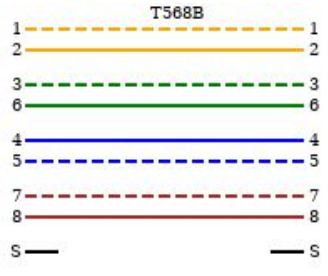
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	7.6	3.9	7.6	6.4
Freq. (MHz)	11.0	11.1	489.0	486.0
Limit (dB)	18.8	18.8	6.0	6.0

Compliant Network Standards:

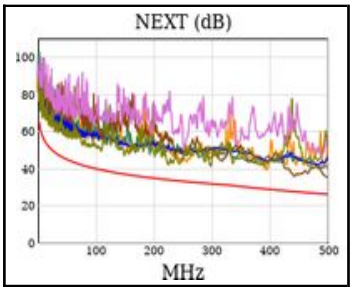
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

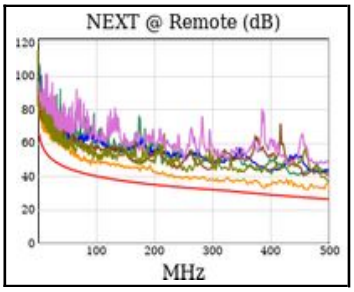


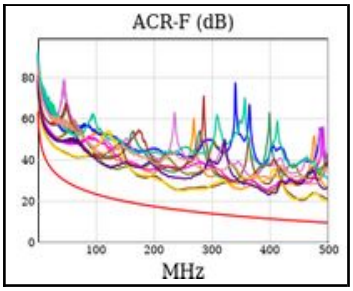
PASS

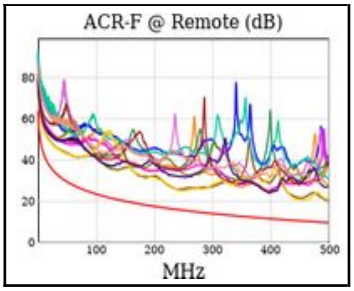


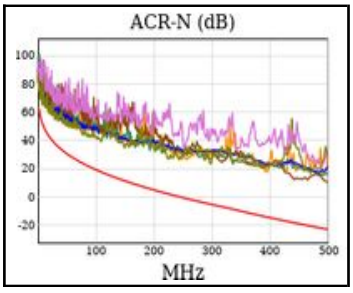


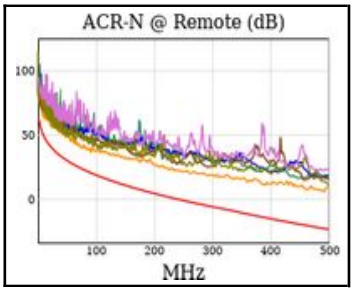


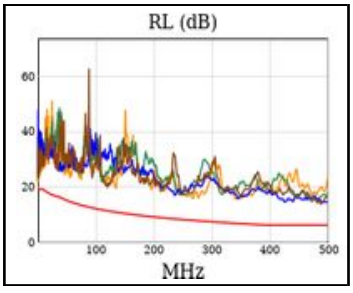


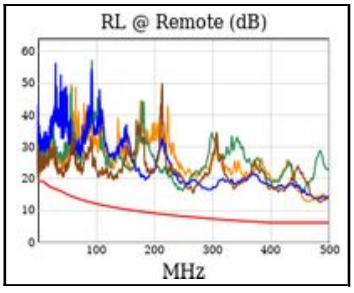












FLUKE networks

LinkWare Live

Cable ID: 129-A

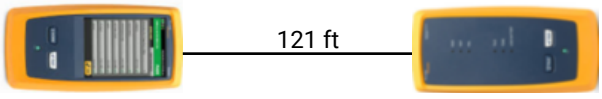
Test Summary: PASS

Date / Time: 12/03/2022 06:06:51 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

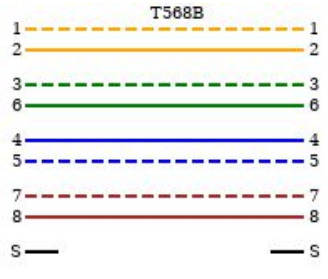
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

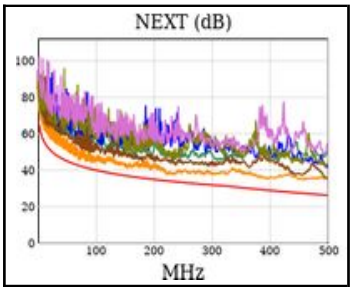
Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	191
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	32.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

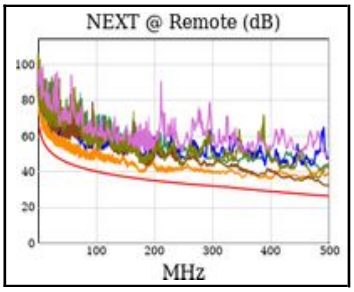


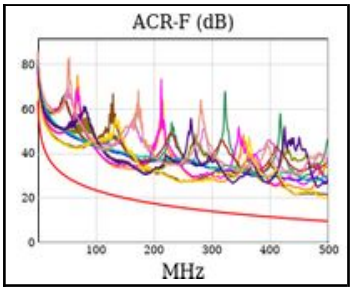
PASS

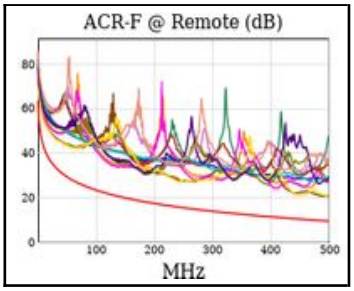


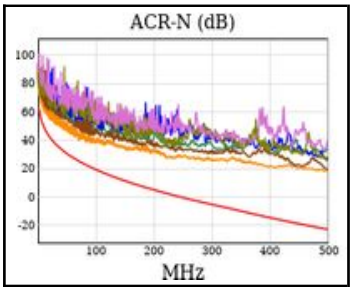


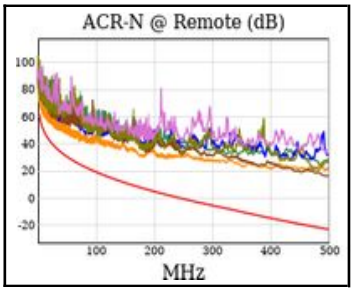


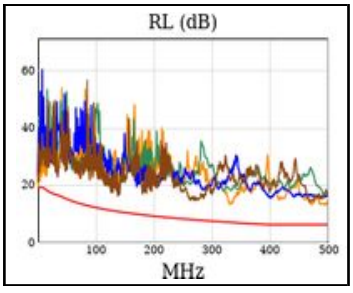


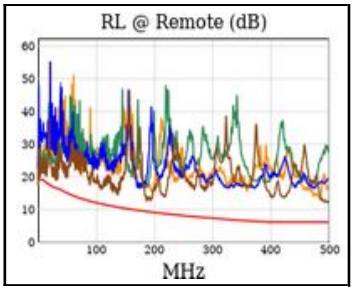












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	2.8	3.6	7.4	5.9
Freq. (MHz)	71.5	182.0	460.0	499.0
Limit (dB)	42.4	35.5	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	4.8	8.6	7.2
Freq. (MHz)	83.3	182.0	496.0	493.0
Limit (dB)	38.5	32.6	23.3	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.1	10.7	10.1	10.9
Freq. (MHz)	495.0	447.0	495.0	495.0
Limit (dB)	9.4	10.3	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.5	12.1	12.4
Freq. (MHz)	6.5	6.0	495.0	500.0
Limit (dB)	44.0	44.7	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	8.9	40.3	38.9
Freq. (MHz)	3.3	3.1	494.0	499.0
Limit (dB)	60.7	61.1	-22.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	10.6	40.6	39.4
Freq. (MHz)	2.8	3.1	496.0	496.0
Limit (dB)	58.5	58.3	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.2	2.3	6.6	5.8
Freq. (MHz)	138.5	31.5	474.0	499.0
Limit (dB)	10.6	16.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-B

Test Summary: PASS

Date / Time: 12/03/2022 06:08:14 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	31.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	4.5	5.3	5.1
Freq. (MHz)	231.0	172.0	469.0	500.0
Limit (dB)	33.7	35.9	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	6.1	8.0	7.1
Freq. (MHz)	231.0	189.5	499.0	500.0
Limit (dB)	30.8	32.3	23.3	23.2

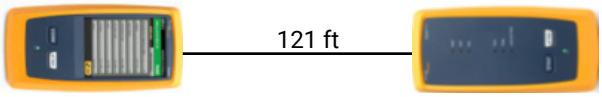
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	11.0	10.7	11.6
Freq. (MHz)	500.0	260.0	500.0	500.0
Limit (dB)	9.3	15.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.1	11.7	13.5	11.9
Freq. (MHz)	11.8	5.8	500.0	500.0
Limit (dB)	38.9	45.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.0	9.9	37.0	38.1
Freq. (MHz)	5.8	5.6	469.0	500.0
Limit (dB)	55.6	55.8	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.0	12.0	39.9	39.0
Freq. (MHz)	5.5	5.6	499.0	500.0
Limit (dB)	53.4	53.2	-26.0	-26.1

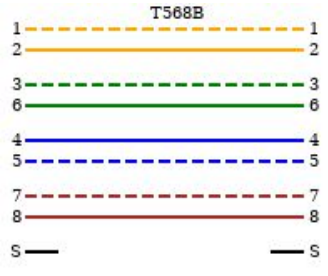
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.8	3.4	7.4	6.2
Freq. (MHz)	137.5	137.5	489.0	417.0
Limit (dB)	10.6	10.6	6.0	6.0

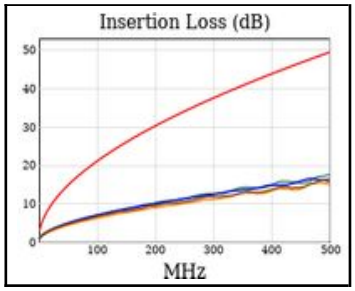
Compliant Network Standards:

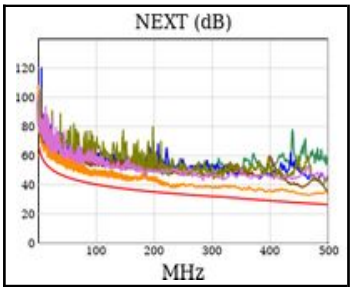
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

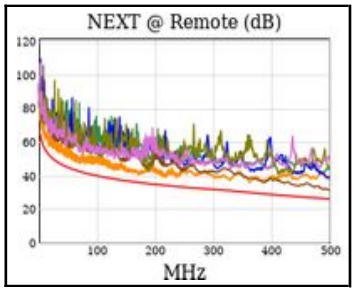


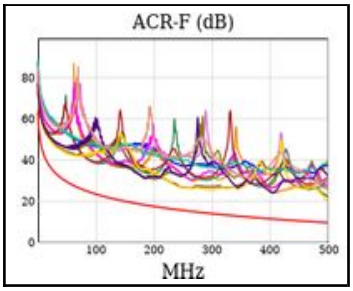
PASS

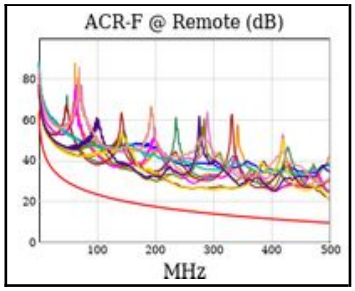


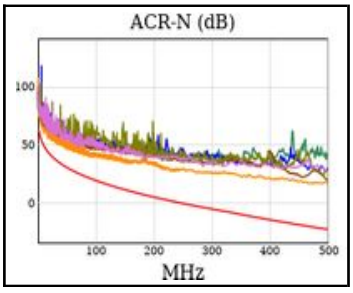


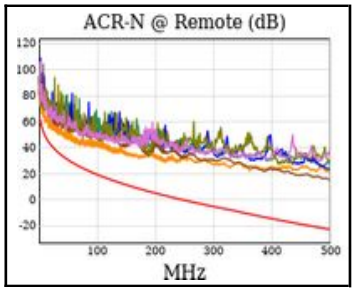


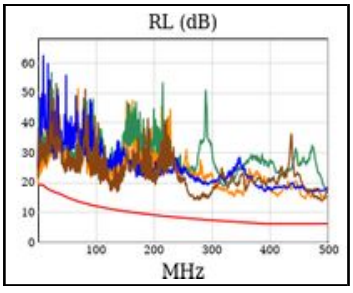


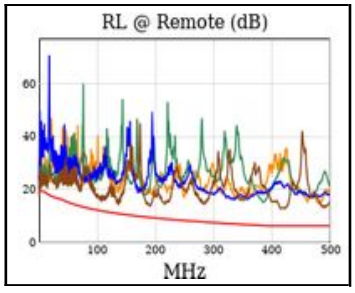












FLUKE networks

LinkWare Live

Cable ID: 129-B

Test Summary: PASS

Date / Time: 12/17/2022 05:44:03 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	286
Prop. Delay (ns), Limit 555	[Pair 4,5]	446
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	14.1
Insertion Loss Margin (dB)	[Pair 3,6]	11.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	8.2	6.2	9.8
Freq. (MHz)	309.0	11.8	460.0	499.0
Limit (dB)	31.5	55.4	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.0	7.5	7.2	11.6
Freq. (MHz)	164.0	3.4	460.0	499.0
Limit (dB)	33.4	61.7	24.2	23.3

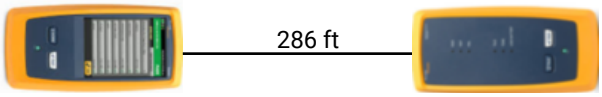
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.4	10.2	9.4
Freq. (MHz)	312.0	461.0	448.0	461.0
Limit (dB)	13.4	10.0	10.2	10.0
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.5	11.1	11.9	11.1
Freq. (MHz)	1.4	461.0	462.0	461.0
Limit (dB)	57.5	7.0	7.0	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	7.5	10.3	19.9	22.1
Freq. (MHz)	4.4	3.4	460.0	499.0
Limit (dB)	58.1	60.4	-20.0	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.6	8.6	19.1	24.0
Freq. (MHz)	11.6	3.4	460.0	499.0
Limit (dB)	45.9	57.9	-22.9	-26.0

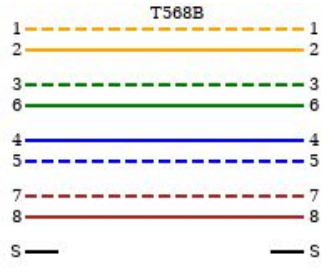
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	6.2	5.2	6.2	6.8
Freq. (MHz)	415.0	5.3	415.0	470.0
Limit (dB)	6.0	19.0	6.0	6.0

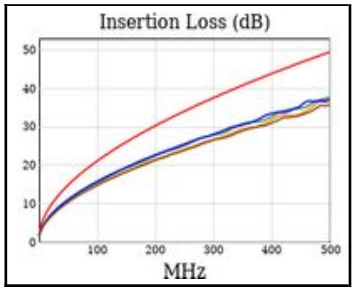
Compliant Network Standards:

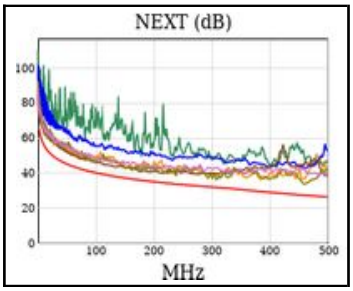
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

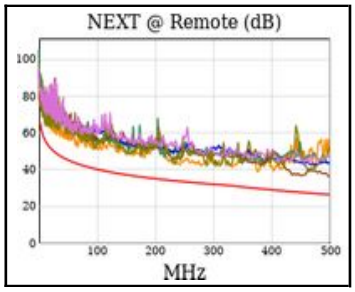


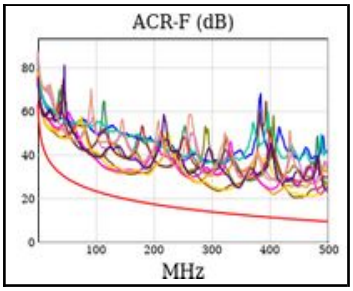
PASS

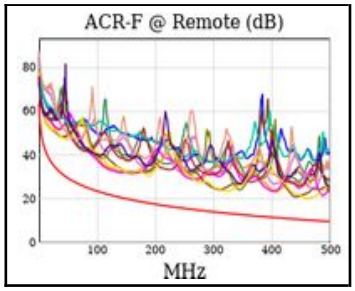


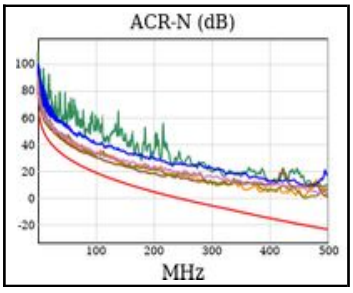


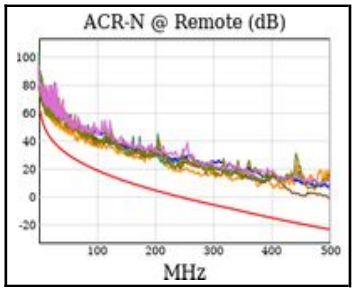


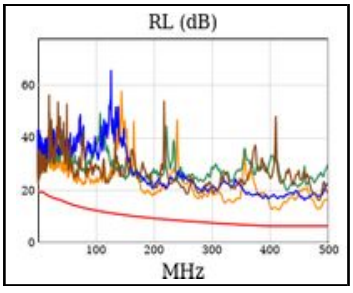


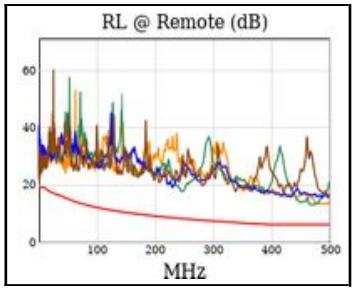












FLUKE networks

LinkWare Live

Cable ID: 130-A

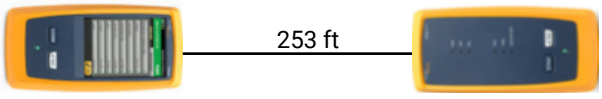
Test Summary: PASS

Date / Time: 12/17/2022 05:46:45 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

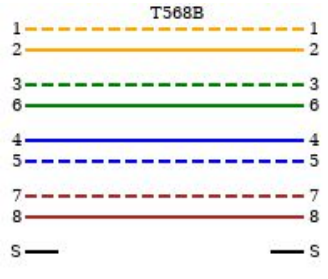
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

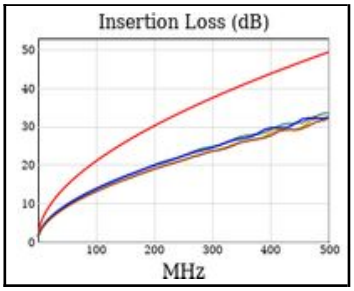
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

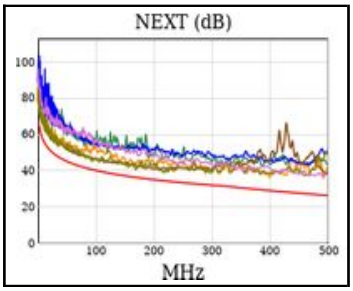
Length (ft), Limit 328	[Pair 7,8]	253
Prop. Delay (ns), Limit 555	[Pair 4,5]	392
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	17.6
Insertion Loss Margin (dB)	[Pair 3,6]	15.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

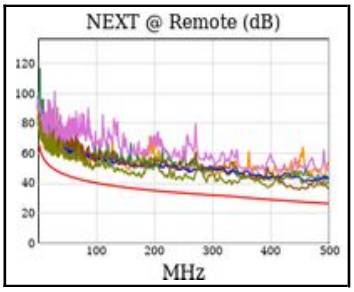


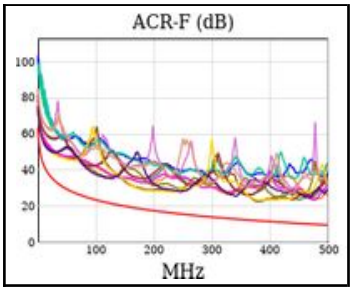
PASS

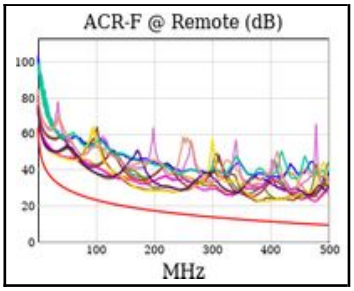


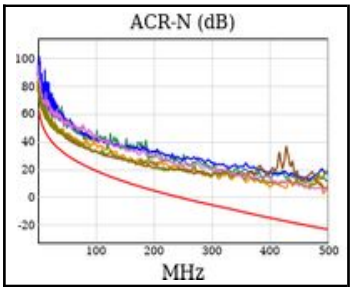


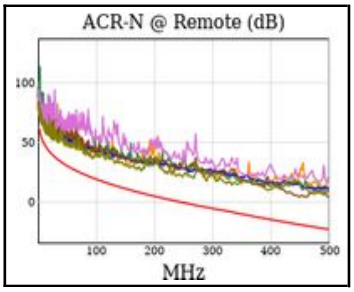


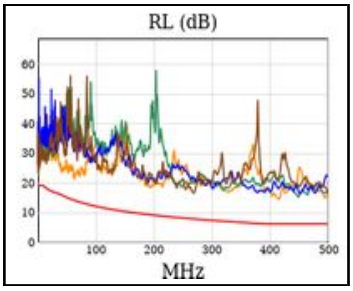


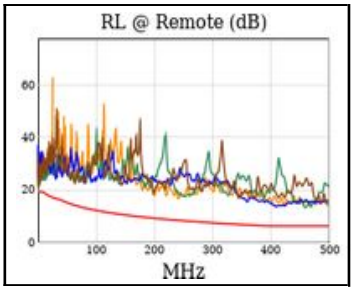












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	7.4	8.9	8.2
Freq. (MHz)	169.5	13.5	493.0	450.0
Limit (dB)	36.0	54.4	26.3	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	8.5	10.1	10.2
Freq. (MHz)	169.5	13.5	493.0	465.0
Limit (dB)	33.1	51.8	23.4	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.5	10.6	11.1
Freq. (MHz)	380.0	188.0	381.0	396.0
Limit (dB)	11.7	17.8	11.6	11.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.1	11.1	12.8	12.7
Freq. (MHz)	1.6	194.0	442.0	432.0
Limit (dB)	56.0	14.5	7.3	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	10.0	24.5	26.7
Freq. (MHz)	3.8	5.3	493.0	500.0
Limit (dB)	59.5	56.4	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.5	9.9	25.6	27.5
Freq. (MHz)	3.8	3.9	493.0	500.0
Limit (dB)	57.0	56.7	-25.5	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	7.0	3.7	8.3	6.9
Freq. (MHz)	63.8	4.5	416.0	460.0
Limit (dB)	14.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 130-B

Test Summary: PASS

Date / Time: 12/17/2022 05:47:03 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	391
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	17.6
Insertion Loss Margin (dB)	[Pair 3,6]	15.9
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.2	6.6	6.9	8.5
Freq. (MHz)	226.5	180.0	460.0	499.0
Limit (dB)	33.9	35.6	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	8.3	8.8	9.4
Freq. (MHz)	100.5	13.6	467.0	455.0
Limit (dB)	37.0	51.8	24.0	24.3

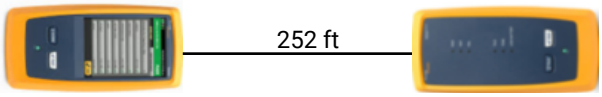
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	11.2	11.4	11.7	12.2
Freq. (MHz)	323.0	323.0	470.0	475.0
Limit (dB)	13.1	13.1	9.8	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.7	13.1	13.3
Freq. (MHz)	1.4	5.6	468.0	435.0
Limit (dB)	57.5	45.3	6.9	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	10.2	20.9	25.3
Freq. (MHz)	13.6	9.4	425.0	499.0
Limit (dB)	46.8	50.8	-17.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	10.1	26.4	26.7
Freq. (MHz)	5.1	5.3	500.0	499.0
Limit (dB)	54.1	53.9	-26.1	-26.0

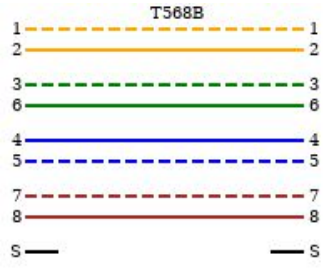
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	6.1	3.4	6.1	6.2
Freq. (MHz)	416.0	4.5	416.0	474.0
Limit (dB)	6.0	19.0	6.0	6.0

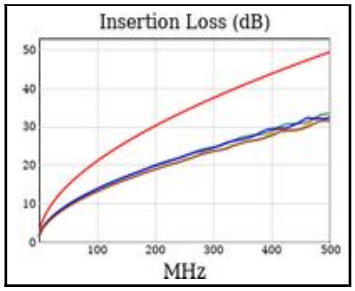
Compliant Network Standards:

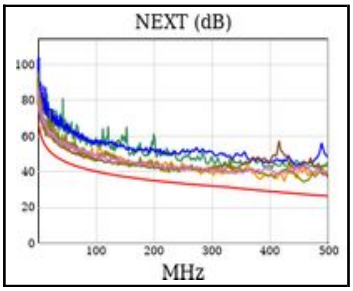
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

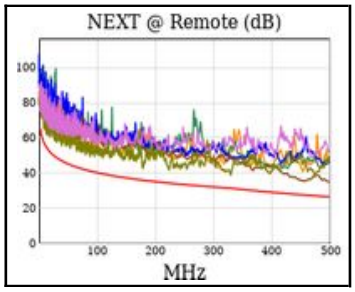


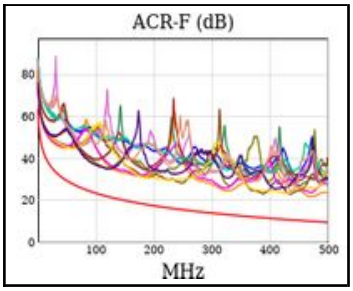
PASS

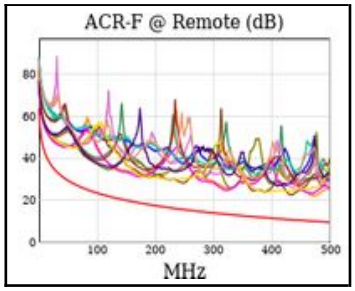


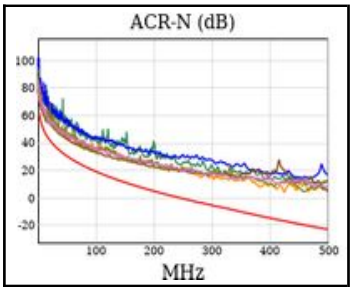


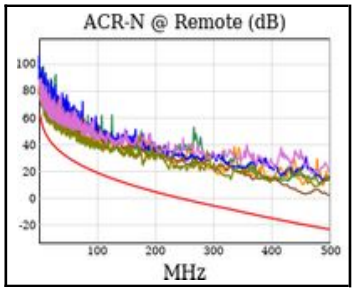


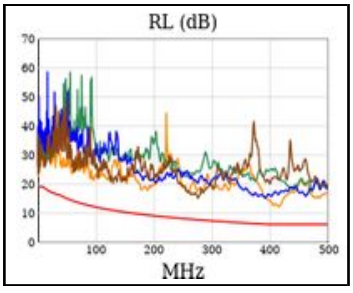


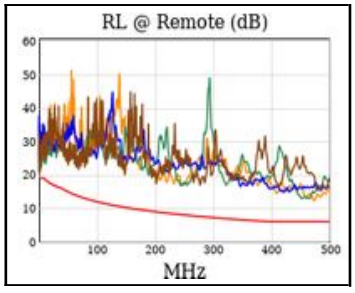












FLUKE networks

LinkWare Live

Cable ID: 130-A

Test Summary: PASS

Date / Time: 12/10/2022 02:26:03 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	135
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.1
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.5	4.1	8.0	4.1
Freq. (MHz)	90.8	460.0	500.0	460.0
Limit (dB)	40.6	27.1	26.1	27.1
Worst Pair	7,8	3,6	4,5	7,8
PS NEXT (dB)	6.3	4.2	9.2	5.9
Freq. (MHz)	319.0	297.0	498.0	462.0
Limit (dB)	28.3	28.8	23.3	24.1

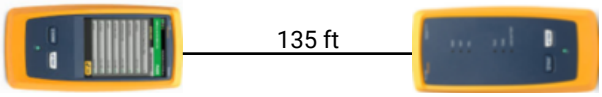
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.6	10.3	9.7
Freq. (MHz)	263.0	447.0	447.0	449.0
Limit (dB)	14.9	10.3	10.3	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.7	11.0	11.8	11.5
Freq. (MHz)	263.0	1.0	497.0	445.0
Limit (dB)	11.9	60.3	6.3	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.4	10.6	38.9	35.0
Freq. (MHz)	2.6	4.5	500.0	460.0
Limit (dB)	61.6	57.8	-23.2	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	10.8	40.1	39.0
Freq. (MHz)	2.9	6.8	498.0	499.0
Limit (dB)	58.4	51.5	-25.9	-26.0

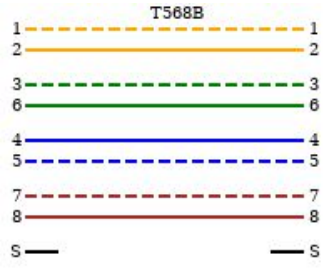
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	6.0	5.0	7.9	5.4
Freq. (MHz)	19.4	19.4	407.0	491.0
Limit (dB)	17.6	17.6	6.0	6.0

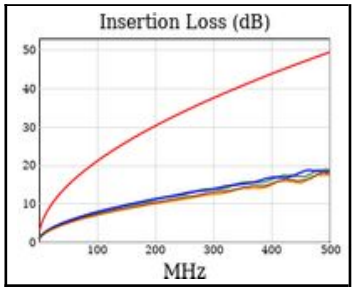
Compliant Network Standards:

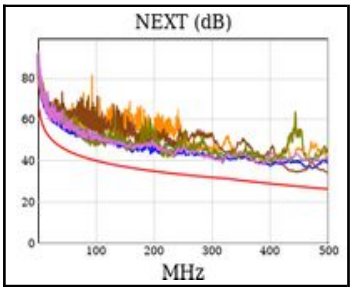
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

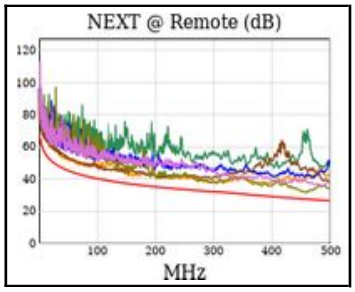


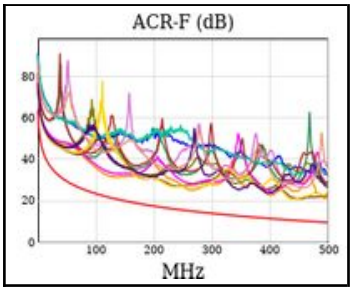
PASS

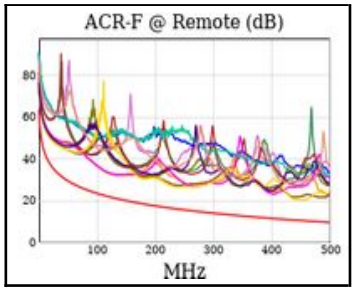


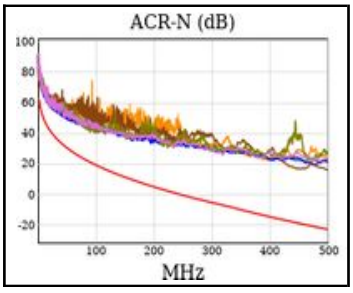


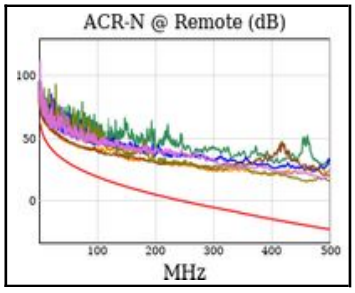


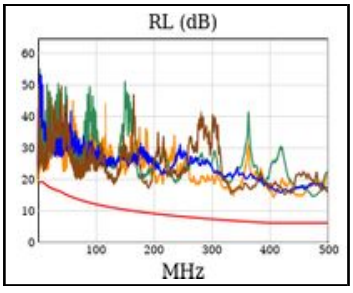


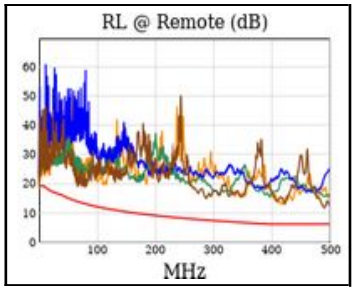












FLUKE networks

LinkWare Live

Cable ID: 130-B

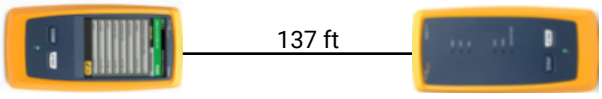
Test Summary: PASS

Date / Time: 12/10/2022 02:26:56 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

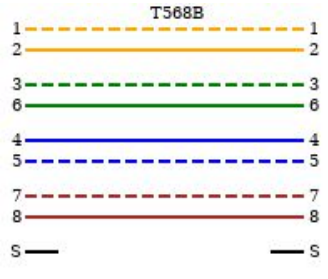
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9



PASS



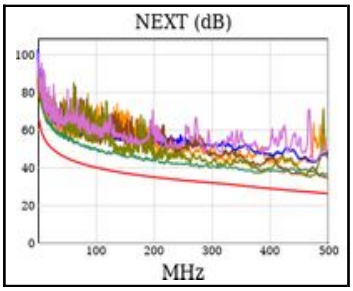
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	7.5	4.9	8.0	7.1
Freq. (MHz)	374.0	305.0	499.0	468.0
Limit (dB)	29.5	31.6	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.1	5.5	8.7	7.5
Freq. (MHz)	463.0	306.0	499.0	468.0
Limit (dB)	24.1	28.6	23.3	24.0

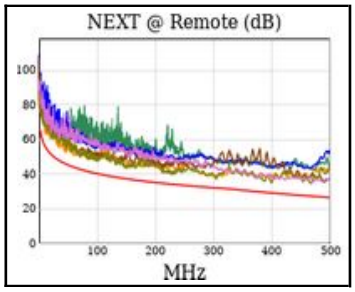
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.6	10.3	9.6	10.3
Freq. (MHz)	475.0	482.0	475.0	482.0
Limit (dB)	9.7	9.6	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.2	10.6	10.7
Freq. (MHz)	181.5	181.5	475.0	481.0
Limit (dB)	15.1	15.1	6.7	6.6

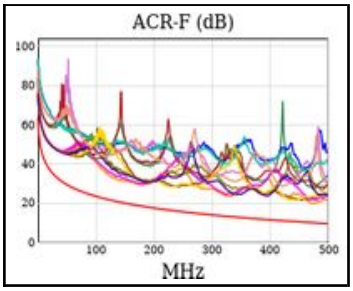
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	14.3	12.3	39.1	39.2
Freq. (MHz)	2.8	12.0	499.0	491.0
Limit (dB)	61.5	48.2	-23.1	-22.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	15.2	11.7	40.0	37.4
Freq. (MHz)	4.5	4.5	500.0	468.0
Limit (dB)	55.3	55.3	-26.1	-23.6

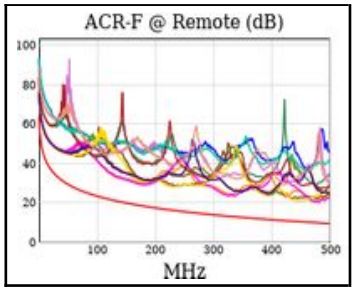
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	7.0	5.5	8.0	5.5
Freq. (MHz)	47.3	500.0	497.0	500.0
Limit (dB)	15.3	6.0	6.0	6.0

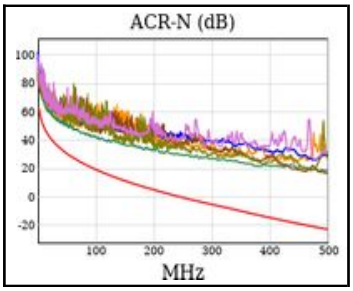


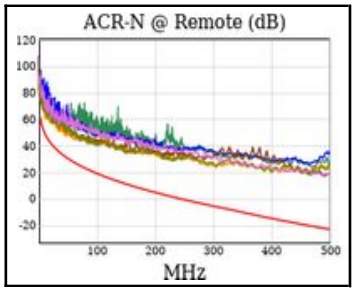


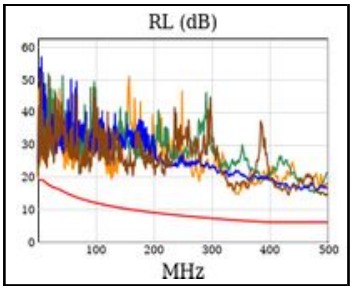


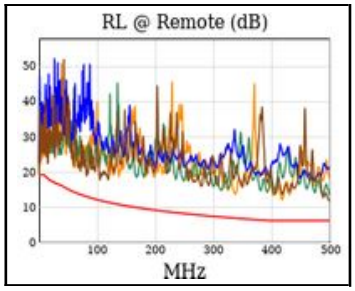












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 12-A

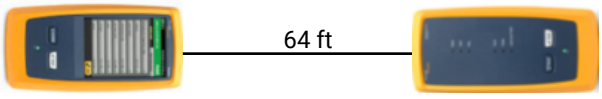
Test Summary: PASS

Date / Time: 12/18/2022 11:52:28 AM
Headroom: 2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

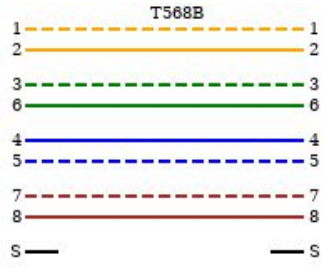
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

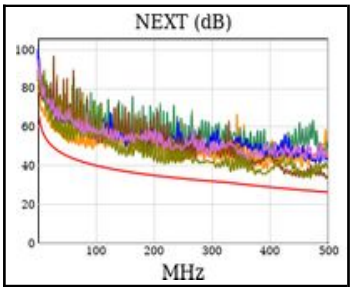
Length (ft), Limit 328	[Pair 1,2]	64
Prop. Delay (ns), Limit 555	[Pair 4,5]	102
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	4.2
Insertion Loss Margin (dB)	[Pair 3,6]	39.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

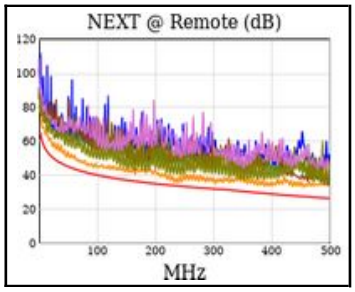


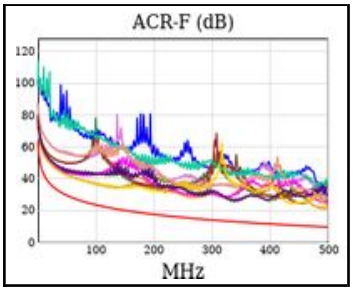
PASS

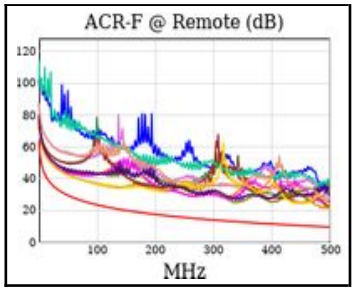


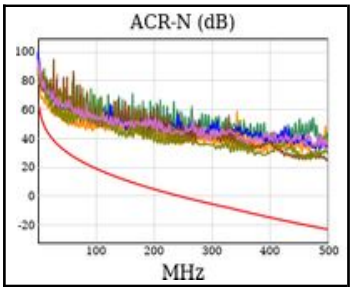


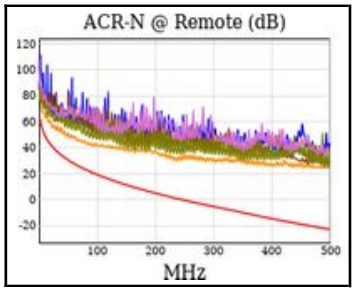


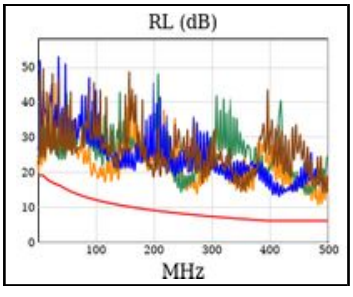


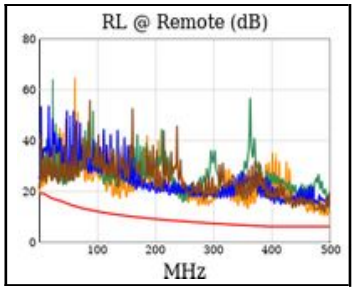












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.5	2.0	6.8	5.3
Freq. (MHz)	333.0	239.5	498.0	456.0
Limit (dB)	30.9	33.4	26.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	3.7	6.7	6.1
Freq. (MHz)	457.0	239.5	458.0	498.0
Limit (dB)	24.3	30.5	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	1,2-3,6	3,6-1,2
ACR-F (dB)	11.1	11.2	11.1	11.3
Freq. (MHz)	496.0	490.0	496.0	496.0
Limit (dB)	9.3	9.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	11.2	11.5	12.1	13.9
Freq. (MHz)	1.4	11.9	496.0	496.0
Limit (dB)	57.5	38.8	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.9	12.5	47.3	46.9
Freq. (MHz)	6.1	6.4	498.0	498.0
Limit (dB)	55.0	54.6	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	14.8	13.8	45.9	44.9
Freq. (MHz)	5.9	5.0	470.0	491.0
Limit (dB)	52.8	54.3	-23.7	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.3	4.1	4.3	4.1
Freq. (MHz)	484.0	496.0	484.0	496.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 12-B

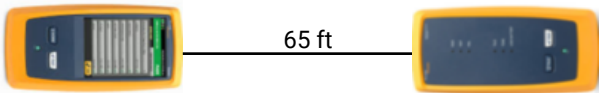
Test Summary: PASS

Date / Time: 12/18/2022 12:06:30 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

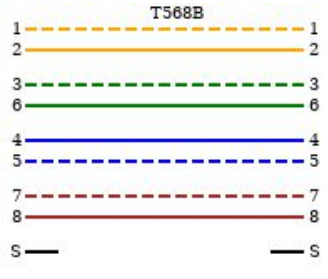
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	65
Prop. Delay (ns), Limit 555	[Pair 4,5]	102
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	3.7
Insertion Loss Margin (dB)	[Pair 7,8]	39.0
Frequency (MHz)	[Pair 7,8]	492.0
Limit (dB)	[Pair 7,8]	48.9

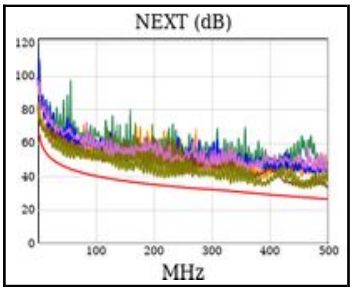


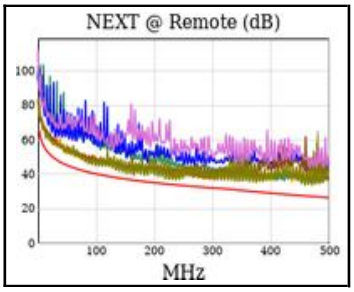
PASS



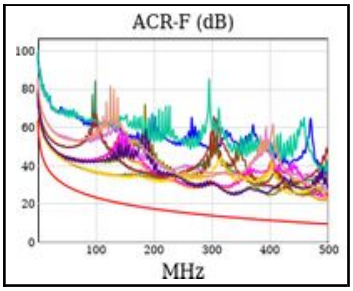


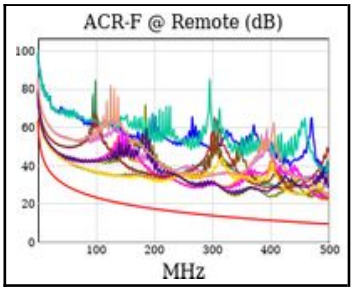
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.2	2.6	5.0	6.1
Freq. (MHz)	375.0	226.0	459.0	472.0
Limit (dB)	29.5	33.9	27.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	2.2	5.7	4.4
Freq. (MHz)	452.0	166.0	458.0	358.0
Limit (dB)	24.4	33.3	24.2	27.1



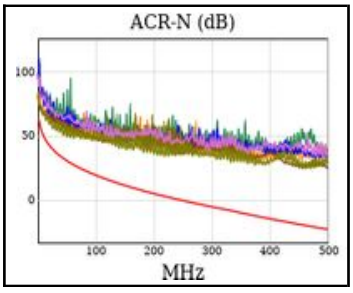


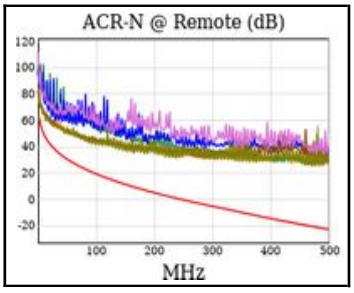
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	11.6	11.3	11.9	12.2
Freq. (MHz)	340.0	340.0	496.0	496.0
Limit (dB)	12.6	12.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.8	13.5
Freq. (MHz)	22.6	6.5	500.0	492.0
Limit (dB)	33.2	44.0	6.3	6.4



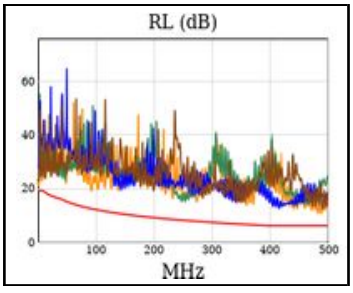


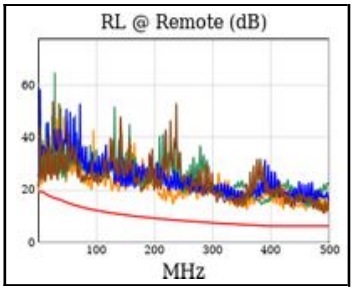
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	12.0	12.0	44.8	45.5
Freq. (MHz)	4.4	3.0	471.0	472.0
Limit (dB)	58.1	61.4	-20.9	-21.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	11.5	44.8	47.3
Freq. (MHz)	3.5	4.6	465.0	484.0
Limit (dB)	57.6	55.1	-23.3	-24.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.3	4.6	4.3	4.6
Freq. (MHz)	484.0	492.0	484.0	492.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-B

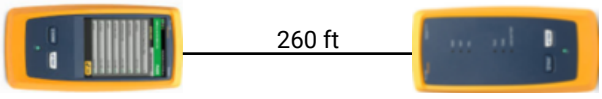
Test Summary: PASS

Date / Time: 11/23/2022 04:18:38 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

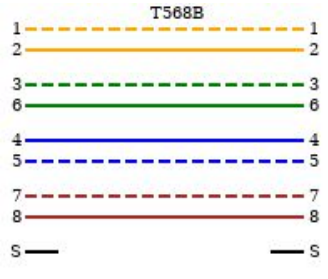
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

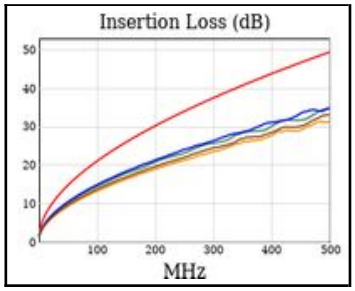
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

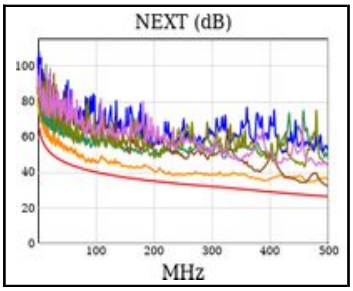
Length (ft), Limit 328	[Pair 1,2]	260
Prop. Delay (ns), Limit 555	[Pair 4,5]	413
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 4,5]	14.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

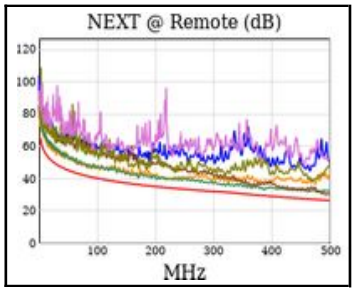


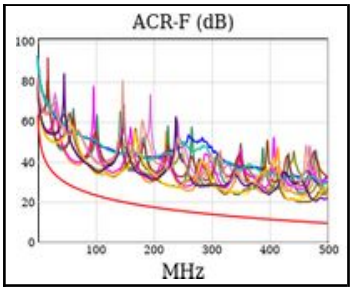
PASS

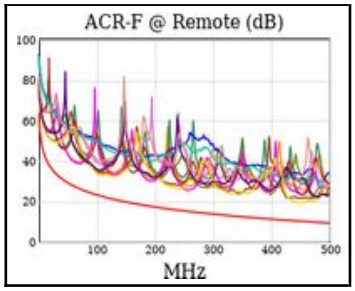


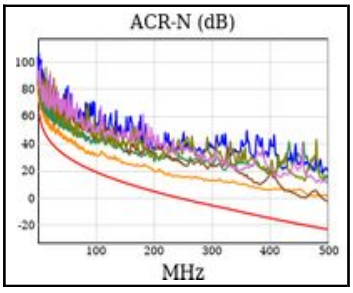


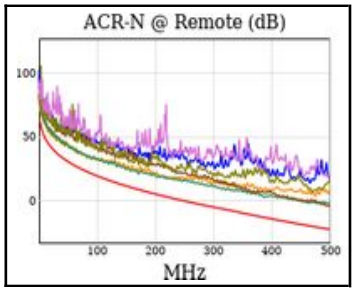


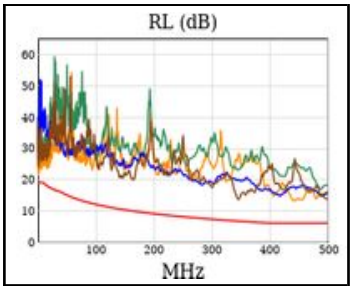


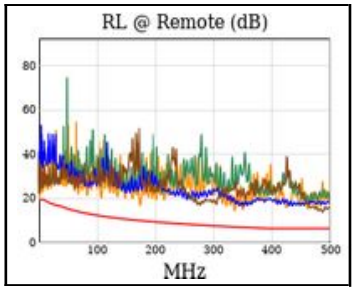












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.2	3.4	5.9	3.4
Freq. (MHz)	84.5	500.0	500.0	500.0
Limit (dB)	41.2	26.1	26.1	26.1
Worst Pair	1,2	4,5	3,6	4,5
PS NEXT (dB)	6.9	4.2	7.1	4.2
Freq. (MHz)	234.0	500.0	500.0	500.0
Limit (dB)	30.7	23.2	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.0	9.5	9.0
Freq. (MHz)	452.0	451.0	452.0	451.0
Limit (dB)	10.2	10.2	10.2	10.2
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.9	10.2	11.0	10.2
Freq. (MHz)	108.0	451.0	479.0	451.0
Limit (dB)	19.6	7.2	6.7	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.1	8.3	20.4	17.9
Freq. (MHz)	5.3	15.8	500.0	500.0
Limit (dB)	56.4	45.2	-23.2	-23.2
Worst Pair	1,2	1,2	3,6	4,5
PS ACR-N (dB)	10.1	9.6	21.7	18.7
Freq. (MHz)	5.3	15.8	500.0	500.0
Limit (dB)	53.9	42.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.2	3.5	7.1	7.5
Freq. (MHz)	7.1	7.1	442.0	489.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 130-A

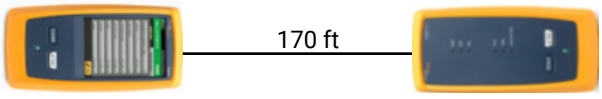
Test Summary: PASS

Date / Time: 11/22/2022 03:06:45 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

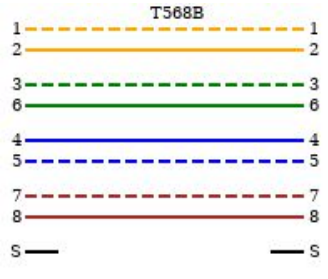
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	170
Prop. Delay (ns), Limit 555	[Pair 3,6]	264
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

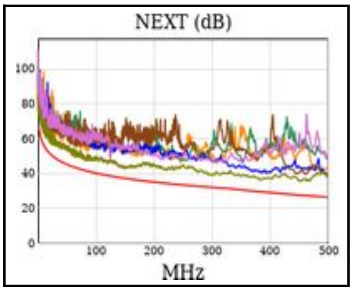


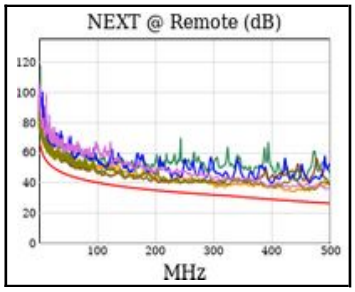
PASS



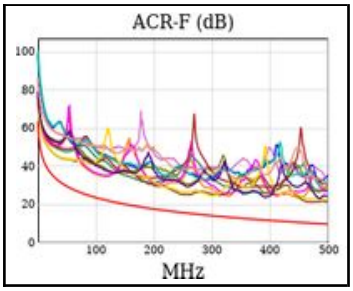


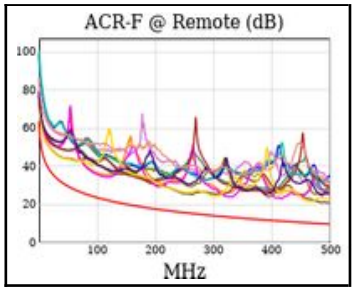
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.3	5.0	8.1	6.2
Freq. (MHz)	149.5	307.0	464.0	441.0
Limit (dB)	37.0	31.6	27.0	27.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	4.4	9.7	7.2
Freq. (MHz)	5.9	224.0	464.0	465.0
Limit (dB)	57.8	31.0	24.1	24.1



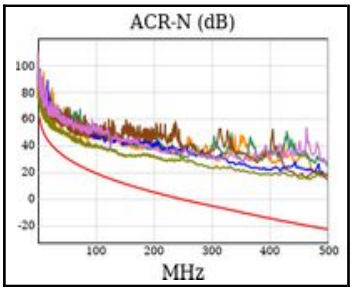


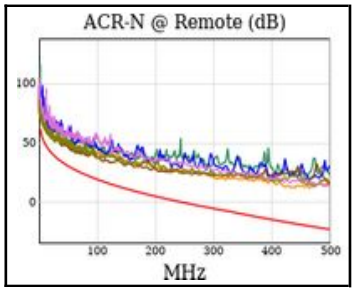
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.9	11.0	11.1
Freq. (MHz)	251.0	263.0	474.0	497.0
Limit (dB)	15.3	14.9	9.7	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.7	12.2
Freq. (MHz)	305.0	6.4	499.0	500.0
Limit (dB)	10.6	44.2	6.3	6.3



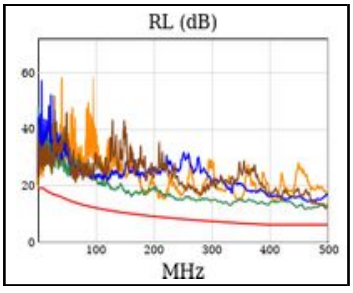


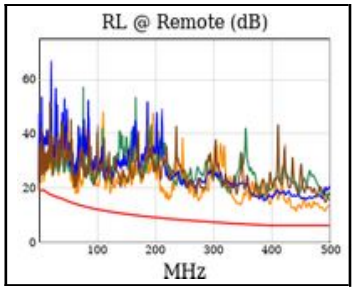
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	9.7	9.9	34.8	32.2
Freq. (MHz)	3.9	3.8	470.0	466.0
Limit (dB)	59.2	59.5	-20.8	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	8.8	36.6	32.1
Freq. (MHz)	3.9	3.9	499.0	465.0
Limit (dB)	56.7	56.7	-26.0	-23.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	1,2	3,6	1,2
RL (dB)	5.6	3.8	5.6	5.2
Freq. (MHz)	462.0	63.8	462.0	443.0
Limit (dB)	6.0	14.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 130-B

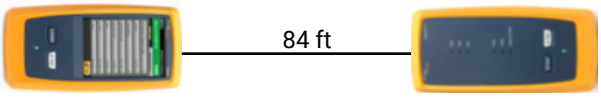
Test Summary: PASS

Date / Time: 11/22/2022 03:17:18 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

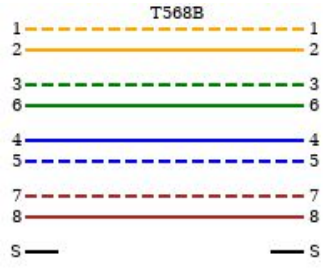
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	84
Prop. Delay (ns), Limit 555	[Pair 3,6]	130
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.8
Insertion Loss Margin (dB)	[Pair 3,6]	36.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

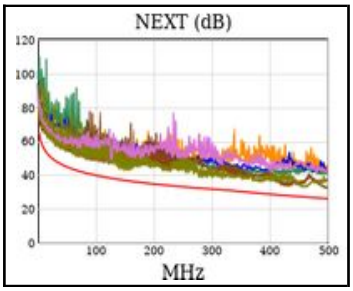


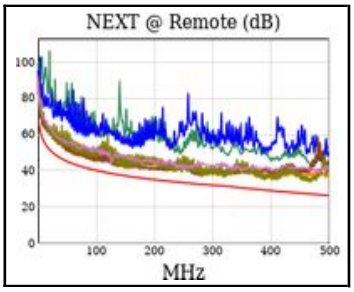
PASS



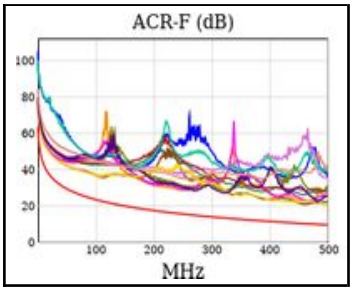


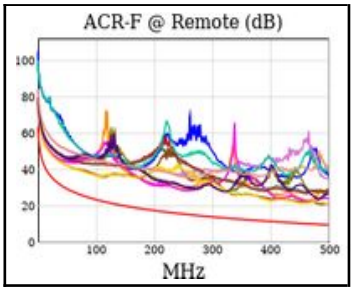
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.3	4.0	5.8	6.3
Freq. (MHz)	429.0	283.0	497.0	470.0
Limit (dB)	27.9	32.2	26.2	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	2.6	6.9	7.1
Freq. (MHz)	452.0	283.0	497.0	466.0
Limit (dB)	24.4	29.2	23.3	24.0



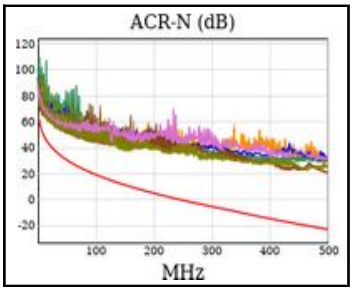


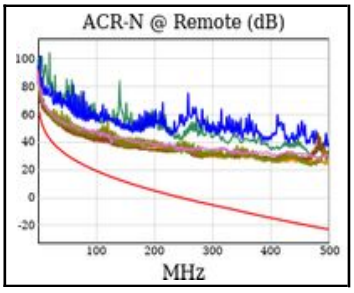
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.7	10.5	11.0
Freq. (MHz)	459.0	455.0	497.0	489.0
Limit (dB)	10.0	10.1	9.3	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.4	11.4	11.6
Freq. (MHz)	497.0	472.0	497.0	482.0
Limit (dB)	6.3	6.8	6.3	6.6



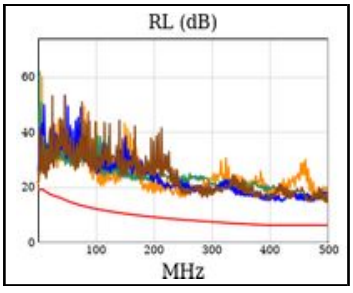


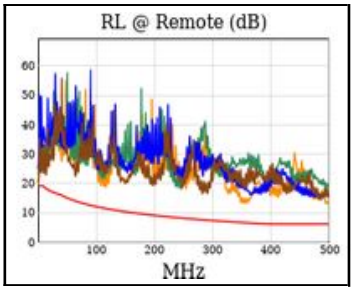
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.4	9.3	43.2	42.8
Freq. (MHz)	4.0	3.8	497.0	470.0
Limit (dB)	58.9	59.5	-23.0	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.8	43.1	42.9
Freq. (MHz)	4.0	3.8	497.0	466.0
Limit (dB)	56.4	57.0	-25.8	-23.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	8.0	6.4	8.0	6.7
Freq. (MHz)	255.0	354.0	496.0	499.0
Limit (dB)	7.9	6.5	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 129-B

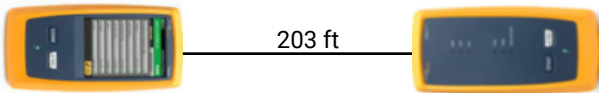
Test Summary: PASS

Date / Time: 11/19/2022 05:47:49 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

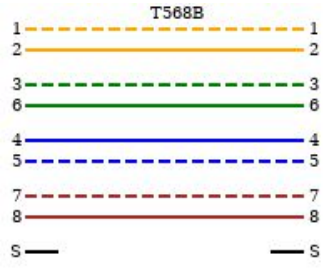
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

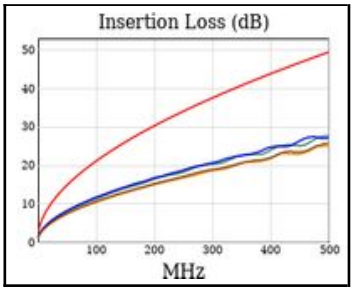
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	203
Prop. Delay (ns), Limit 555	[Pair 4,5]	322
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 4,5]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	21.5
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

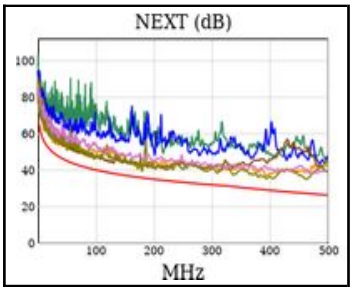


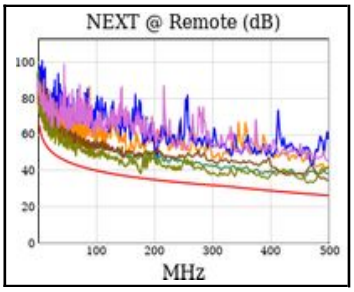
PASS



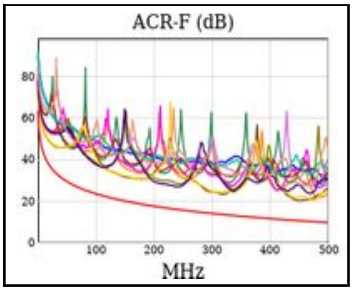


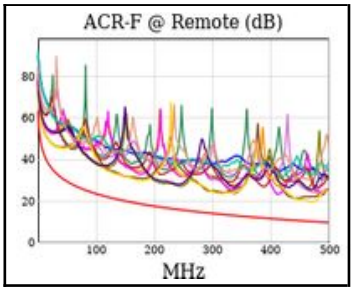
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.4	2.3	7.6	6.0
Freq. (MHz)	180.5	177.5	465.0	463.0
Limit (dB)	35.5	35.7	27.0	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.7	4.6	6.5	8.0
Freq. (MHz)	180.5	177.5	395.0	463.0
Limit (dB)	32.6	32.8	25.9	24.1



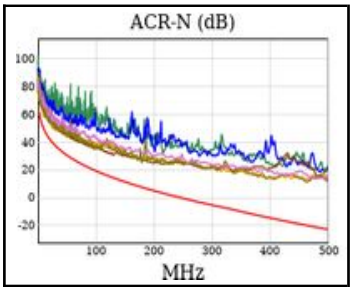


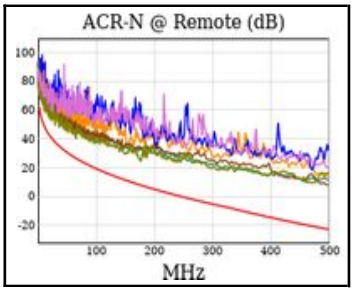
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.4	9.8	9.4
Freq. (MHz)	452.0	471.0	453.0	471.0
Limit (dB)	10.2	9.8	10.1	9.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	9.9	9.9	10.3	10.9
Freq. (MHz)	338.0	335.0	478.0	476.0
Limit (dB)	9.7	9.8	6.7	6.7



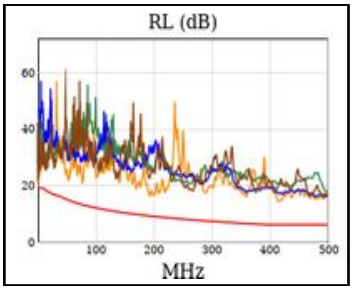


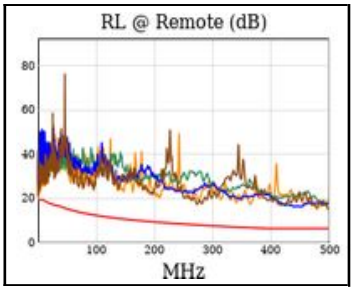
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	8.2	8.6	31.2	30.7
Freq. (MHz)	3.0	3.1	465.0	500.0
Limit (dB)	61.4	61.1	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.3	7.6	30.8	31.2
Freq. (MHz)	3.3	3.3	465.0	497.0
Limit (dB)	58.2	58.2	-23.3	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.9	6.4	8.3	8.6
Freq. (MHz)	14.0	9.1	417.0	480.0
Limit (dB)	18.3	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 130-A

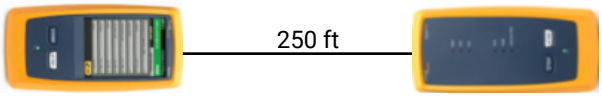
Test Summary: PASS

Date / Time: 11/19/2022 05:53:06 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

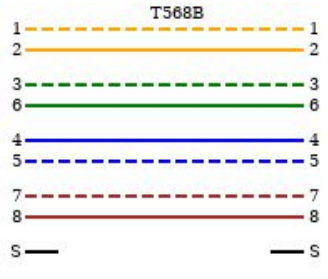
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

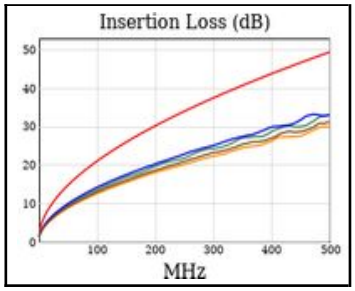
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

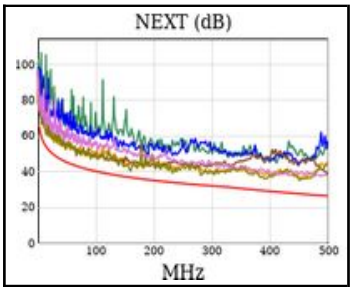
Length (ft), Limit 328	[Pair 1,2]	250
Prop. Delay (ns), Limit 555	[Pair 4,5]	395
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 4,5]	14.6
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

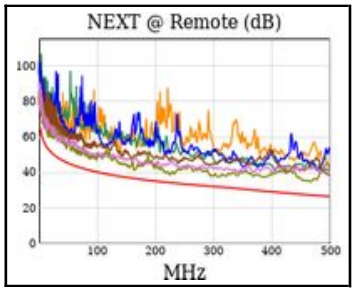


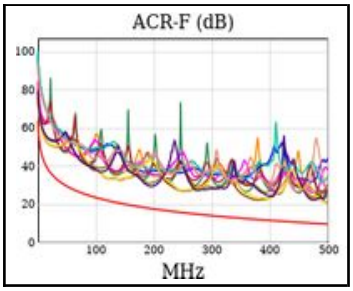
PASS

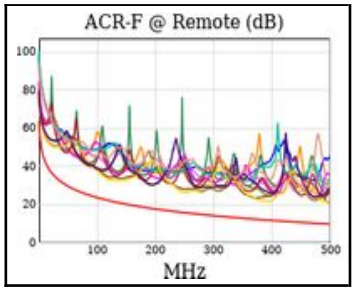


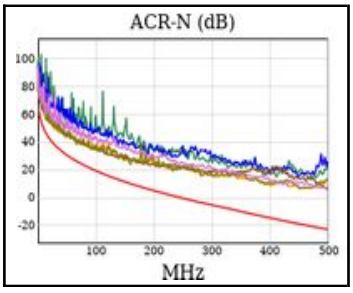


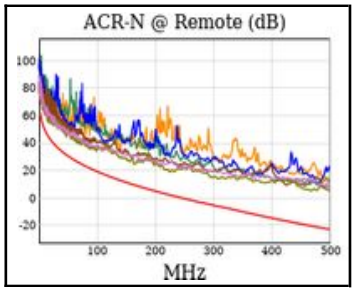


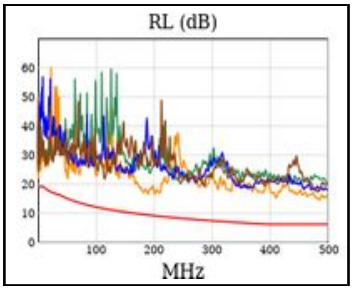


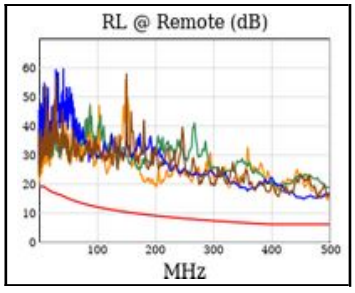












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.6	4.4	7.6	7.5
Freq. (MHz)	160.5	226.0	452.0	468.0
Limit (dB)	36.4	33.9	27.3	26.9
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.1	6.3	7.8	9.3
Freq. (MHz)	160.5	226.0	452.0	468.0
Limit (dB)	33.5	30.9	24.4	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.8	10.9	11.0
Freq. (MHz)	380.0	395.0	500.0	500.0
Limit (dB)	11.7	11.3	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.2	11.4	11.4	12.1
Freq. (MHz)	481.0	400.0	491.0	480.0
Limit (dB)	6.6	8.2	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
ACR-N (dB)	9.0	9.7	28.5	25.6
Freq. (MHz)	6.6	16.3	499.0	468.0
Limit (dB)	54.2	44.9	-23.1	-20.7
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.7	9.5	27.8	28.2
Freq. (MHz)	3.8	3.9	499.0	499.0
Limit (dB)	57.0	56.7	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.3	4.9	8.4	8.4
Freq. (MHz)	6.1	6.1	486.0	497.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 130-B

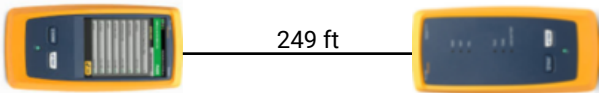
Test Summary: PASS

Date / Time: 11/19/2022 05:53:31 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

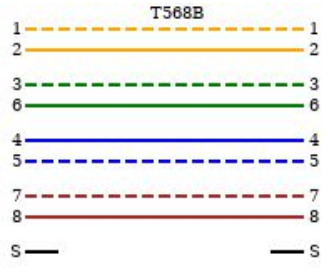
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

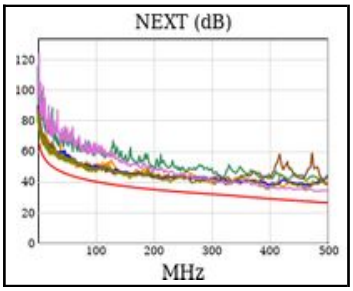
Length (ft), Limit 328	[Pair 1,2]	249
Prop. Delay (ns), Limit 555	[Pair 4,5]	393
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 4,5]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	16.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

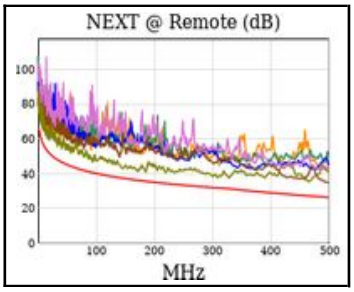


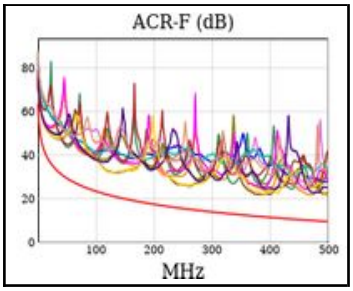
PASS

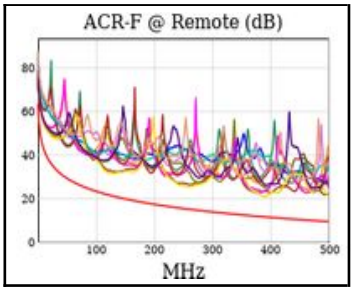


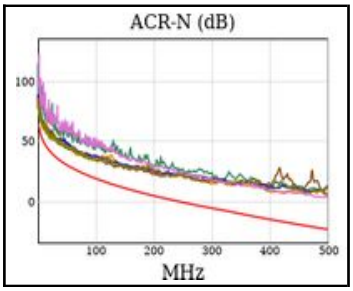


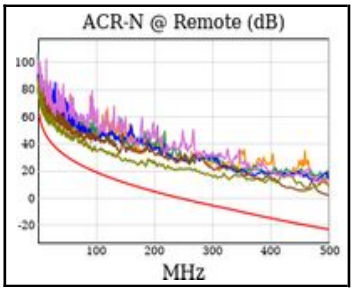


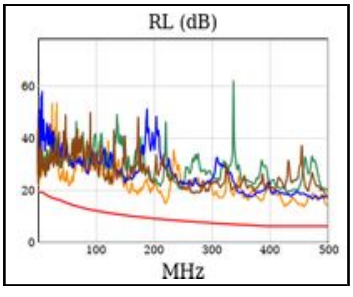


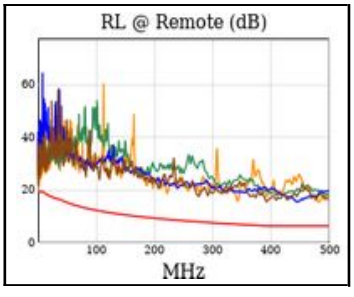












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
NEXT (dB)	5.4	4.9	7.0	8.5
Freq. (MHz)	88.3	172.5	480.0	500.0
Limit (dB)	40.8	35.9	26.6	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.3	7.2	6.5	9.7
Freq. (MHz)	159.0	172.5	462.0	500.0
Limit (dB)	33.6	33.0	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.2	11.4	9.2
Freq. (MHz)	384.0	389.0	500.0	389.0
Limit (dB)	11.6	11.5	9.3	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.3	11.3	10.5
Freq. (MHz)	392.0	6.0	476.0	392.0
Limit (dB)	8.4	44.7	6.7	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	9.0	9.3	26.2	25.2
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	58.9	58.9	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.7	9.5	25.8	26.1
Freq. (MHz)	3.9	4.0	500.0	500.0
Limit (dB)	56.7	56.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	5.2	7.5	9.1
Freq. (MHz)	6.0	6.1	460.0	484.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 131-A

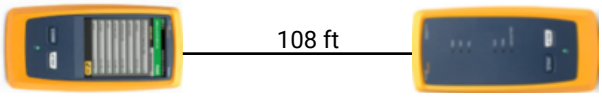
Test Summary: PASS

Date / Time: 11/19/2022 03:58:10 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF E126

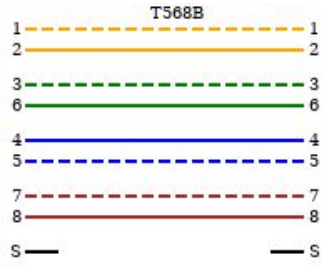
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

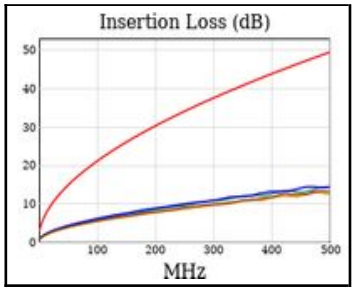
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	108
Prop. Delay (ns), Limit 555	[Pair 4,5]	171
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

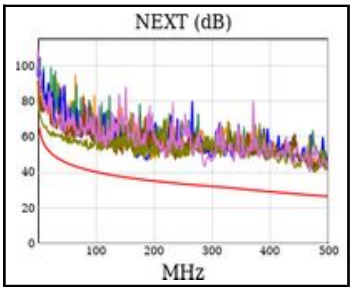


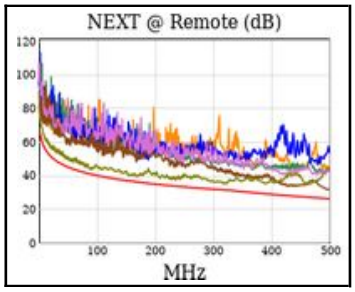
PASS



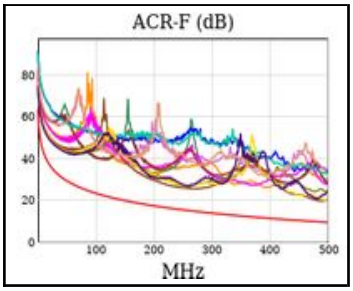


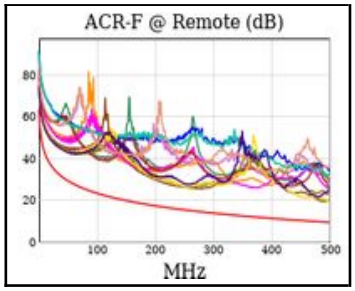
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	8.8	2.7	12.8	5.3
Freq. (MHz)	3.8	89.8	476.0	500.0
Limit (dB)	63.5	40.7	26.7	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	9.6	5.4	13.1	7.5
Freq. (MHz)	3.3	89.8	479.0	500.0
Limit (dB)	62.0	37.9	23.7	23.2



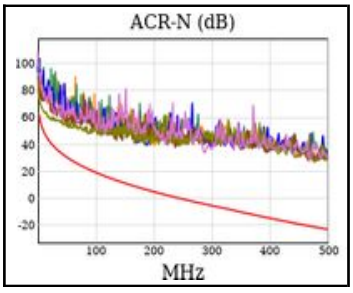


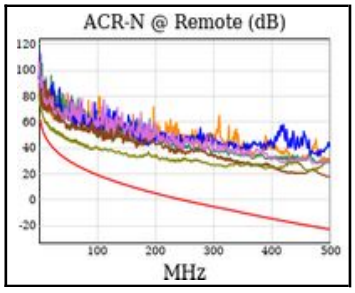
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	9.9	10.1	10.0
Freq. (MHz)	489.0	489.0	493.0	494.0
Limit (dB)	9.5	9.5	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.5	11.2	10.9
Freq. (MHz)	483.0	262.0	496.0	497.0
Limit (dB)	6.6	11.9	6.3	6.3



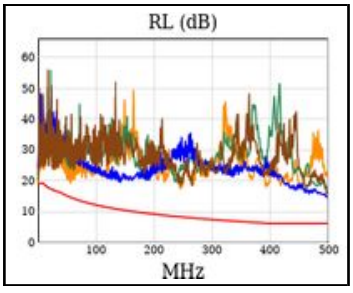


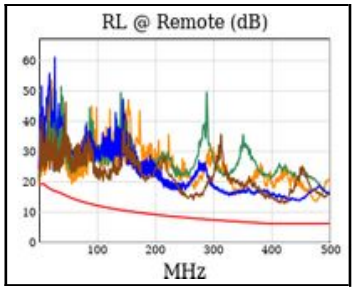
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	11.8	10.3	47.8	40.3
Freq. (MHz)	3.8	11.4	476.0	500.0
Limit (dB)	59.5	48.8	-21.3	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.4	11.8	47.3	42.5
Freq. (MHz)	3.3	3.3	479.0	500.0
Limit (dB)	58.2	58.2	-24.4	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	7,8
RL (dB)	4.5	4.6	8.6	6.3
Freq. (MHz)	57.3	57.5	500.0	422.0
Limit (dB)	14.4	14.4	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 131-B

Test Summary: PASS

Date / Time: 11/19/2022 03:58:35 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF E126

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	109
Prop. Delay (ns), Limit 555	[Pair 4,5]	172
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 4,5]	33.3
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	11.8	5.7	15.1	5.7
Freq. (MHz)	175.0	499.0	459.0	499.0
Limit (dB)	35.8	26.1	27.1	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	13.0	7.2	16.7	7.2
Freq. (MHz)	8.1	499.0	458.0	499.0
Limit (dB)	55.5	23.3	24.2	23.3

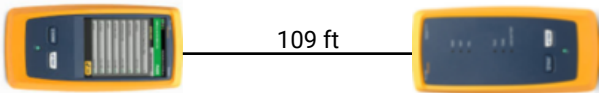
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.2	9.9	9.2
Freq. (MHz)	240.0	470.0	486.0	470.0
Limit (dB)	15.7	9.8	9.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.4	10.3	11.7
Freq. (MHz)	478.0	237.0	489.0	489.0
Limit (dB)	6.7	12.8	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	15.6	13.3	49.1	40.5
Freq. (MHz)	3.1	3.0	459.0	499.0
Limit (dB)	61.1	61.4	-19.9	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	16.0	14.4	52.6	42.1
Freq. (MHz)	3.1	3.1	489.0	499.0
Limit (dB)	58.3	58.3	-25.2	-26.0

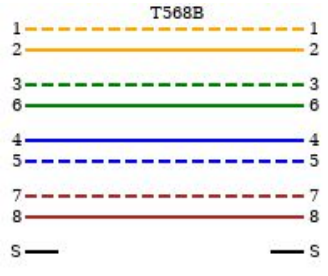
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	7,8
RL (dB)	7.2	6.3	8.5	7.4
Freq. (MHz)	35.3	57.5	487.0	408.0
Limit (dB)	16.3	14.4	6.0	6.0

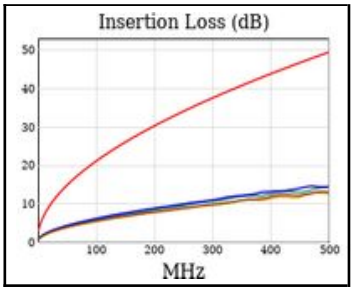
Compliant Network Standards:

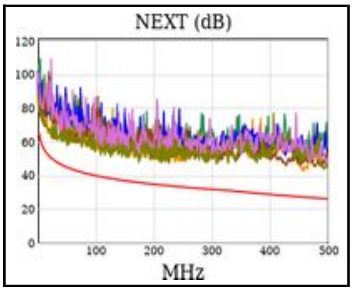
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

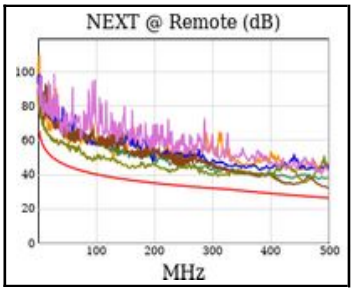


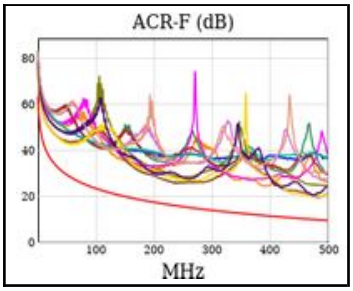
PASS

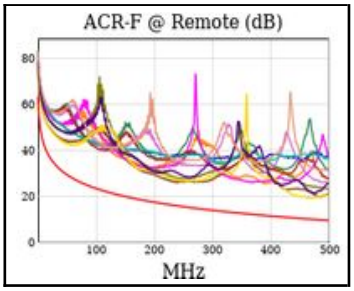


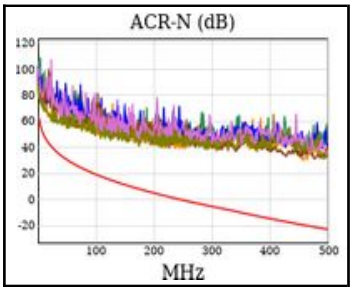


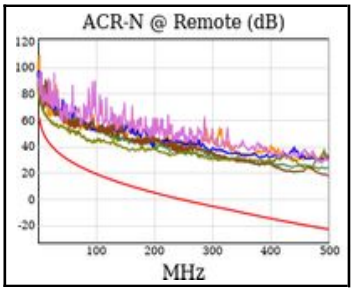


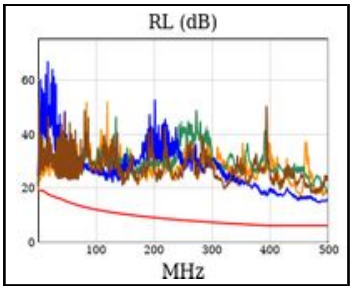


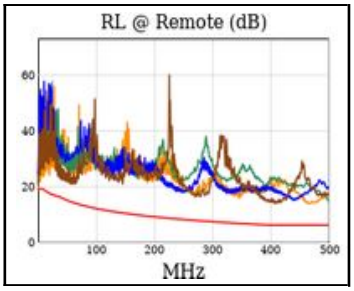












FLUKE networks

LinkWare™ Live

Cable ID: 131-A

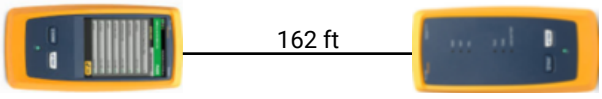
Test Summary: PASS

Date / Time: 12/19/2022 03:23:41 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

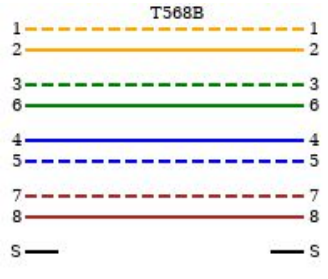
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

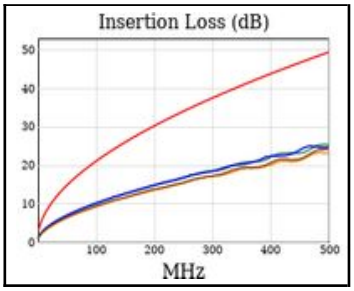
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

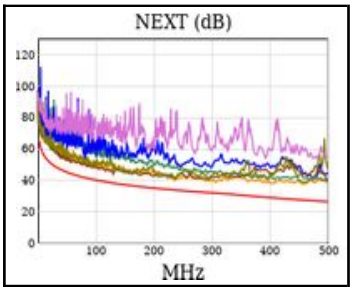
Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	256
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

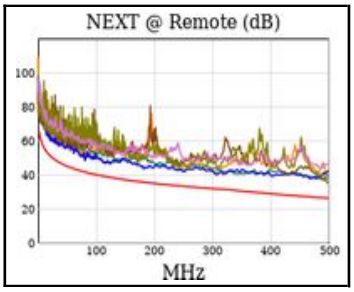


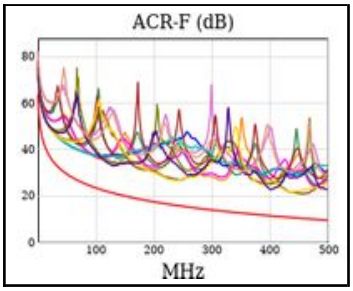
PASS

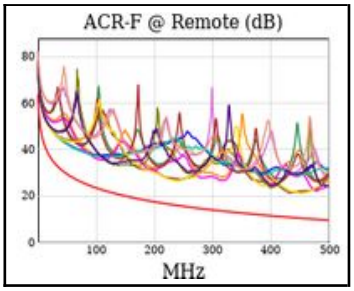


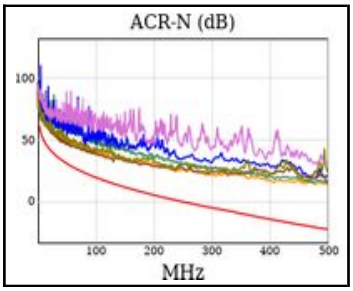


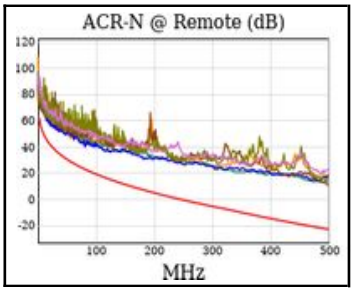


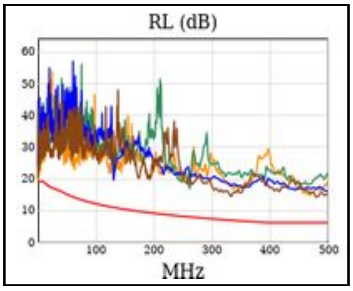


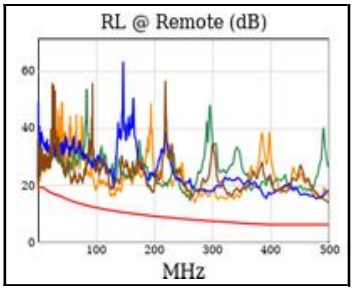












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.3	6.7	10.2	9.1
Freq. (MHz)	130.5	81.8	458.0	499.0
Limit (dB)	38.0	41.4	27.1	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.1	7.6	10.0	9.7
Freq. (MHz)	236.5	82.0	459.0	499.0
Limit (dB)	30.6	38.6	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.5	10.7	10.8
Freq. (MHz)	457.0	433.0	462.0	454.0
Limit (dB)	10.1	10.5	10.0	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.5	12.6	12.1
Freq. (MHz)	2.8	2.6	490.0	480.0
Limit (dB)	51.5	51.9	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.5	10.5	36.4	33.6
Freq. (MHz)	4.0	4.0	499.0	499.0
Limit (dB)	58.9	58.9	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	11.0	36.5	33.9
Freq. (MHz)	4.0	4.1	499.0	499.0
Limit (dB)	56.4	56.1	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.4	4.8	8.1	5.9
Freq. (MHz)	333.0	126.5	482.0	271.0
Limit (dB)	6.8	11.0	6.0	7.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 131-B

Test Summary: PASS

Date / Time: 12/19/2022 03:24:03 PM
Headroom: 6.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	256
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	23.4
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	6.5	7.5	10.1	8.3
Freq. (MHz)	302.0	80.5	461.0	500.0
Limit (dB)	31.7	41.5	27.1	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.9	8.4	9.7	8.6
Freq. (MHz)	97.0	80.3	461.0	497.0
Limit (dB)	37.3	38.7	24.2	23.3

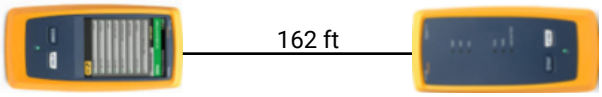
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	1,2-3,6	7,8-3,6	1,2-3,6
ACR-F (dB)	10.1	11.0	10.2	11.0
Freq. (MHz)	484.0	478.0	489.0	478.0
Limit (dB)	9.6	9.7	9.5	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	11.2	9.9	11.3
Freq. (MHz)	483.0	479.0	483.0	483.0
Limit (dB)	6.6	6.7	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.4	10.8	37.5	32.9
Freq. (MHz)	3.8	4.0	500.0	500.0
Limit (dB)	59.5	58.9	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	11.3	33.4	32.8
Freq. (MHz)	3.8	4.0	466.0	497.0
Limit (dB)	57.0	56.4	-23.4	-25.8

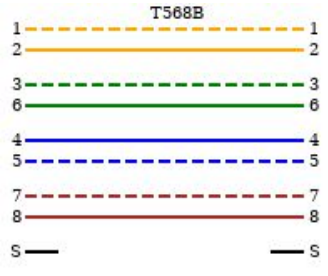
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.3	4.4	7.9	4.6
Freq. (MHz)	48.5	135.5	470.0	271.0
Limit (dB)	15.1	10.7	6.0	7.7

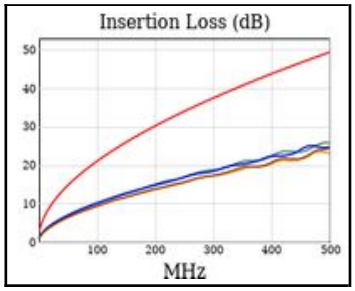
Compliant Network Standards:

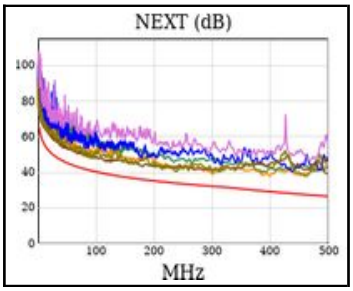
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

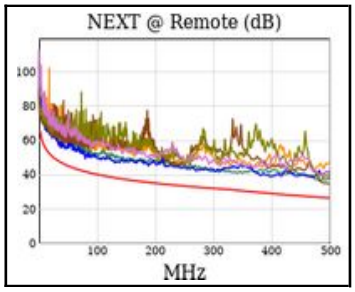


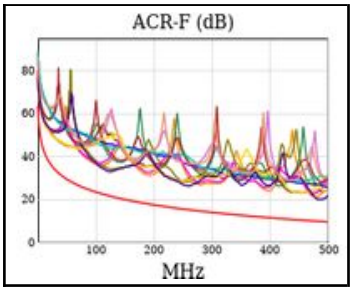
PASS

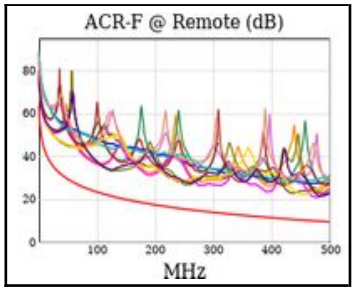


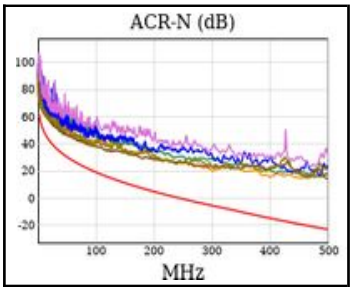


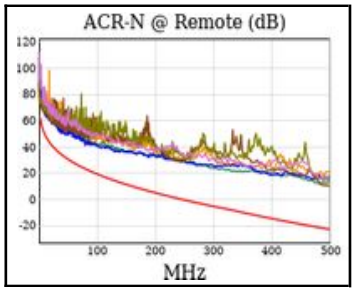


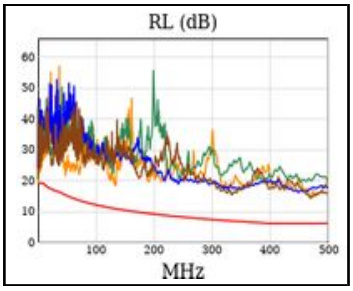


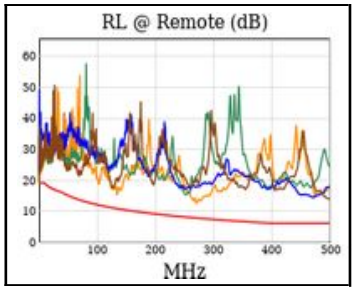












FLUKE networks

LinkWare Live

Cable ID: 131-A

Test Summary: PASS

Date / Time: 12/11/2022 01:53:15 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	251
Prop. Delay (ns), Limit 555	[Pair 4,5]	390
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	12.2
Insertion Loss Margin (dB)	[Pair 3,6]	16.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	3.1	6.0	5.2
Freq. (MHz)	500.0	247.0	500.0	487.0
Limit (dB)	26.1	33.2	26.1	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.0	5.3	8.7	7.4
Freq. (MHz)	3.9	249.0	500.0	487.0
Limit (dB)	60.8	30.2	23.2	23.5

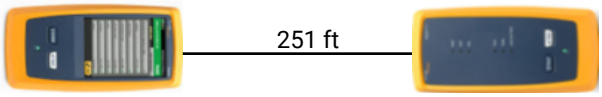
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-F (dB)	9.6	9.7	10.7	9.8
Freq. (MHz)	5.9	3.0	422.0	390.0
Limit (dB)	47.9	53.7	10.8	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.1	11.0	11.6
Freq. (MHz)	5.9	5.9	425.0	431.0
Limit (dB)	44.9	44.9	7.7	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.0	8.7	23.3	21.5
Freq. (MHz)	4.0	13.8	500.0	487.0
Limit (dB)	58.9	46.7	-23.2	-22.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	9.1	25.3	24.0
Freq. (MHz)	3.9	3.9	500.0	494.0
Limit (dB)	56.7	56.7	-26.1	-25.6

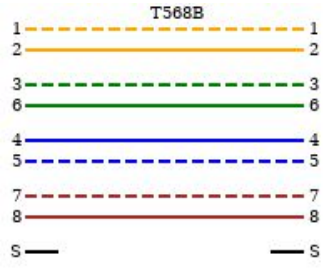
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	4.6	3.6	6.9	3.6
Freq. (MHz)	6.0	481.0	498.0	481.0
Limit (dB)	19.0	6.0	6.0	6.0

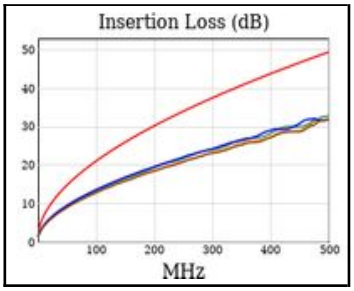
Compliant Network Standards:

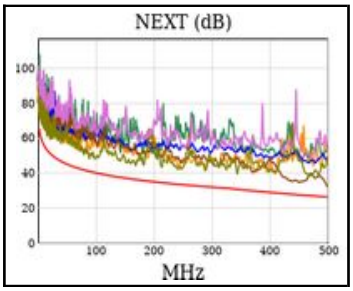
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

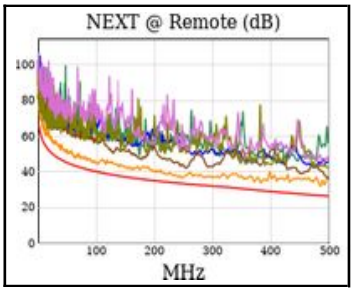


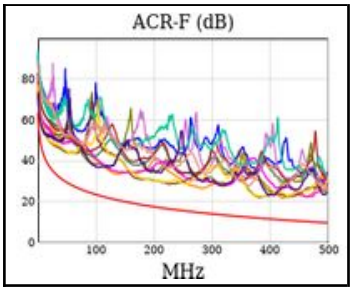
PASS

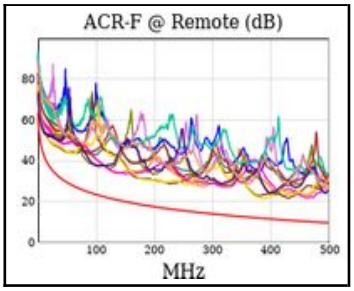


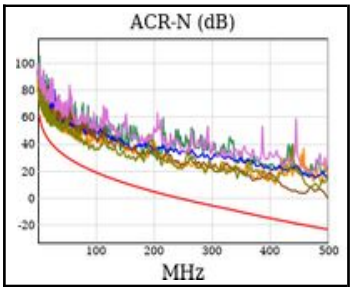


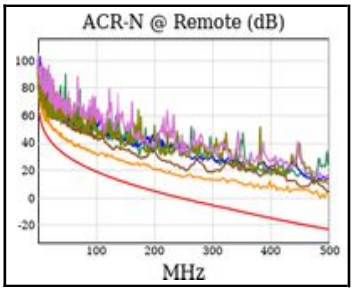


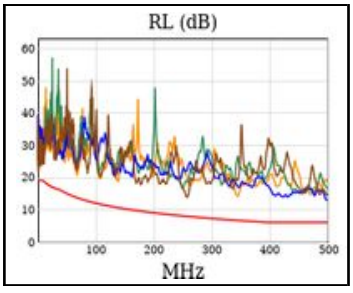


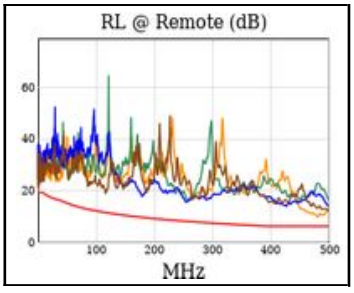












FLUKE networks

LinkWare Live

Cable ID: 131-B

Test Summary: PASS

Date / Time: 12/11/2022 01:56:01 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	251
Prop. Delay (ns), Limit 555	[Pair 4,5]	390
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	12.2
Insertion Loss Margin (dB)	[Pair 3,6]	16.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	2.9	8.1	4.4
Freq. (MHz)	300.0	233.5	451.0	466.0
Limit (dB)	31.7	33.6	27.3	26.9
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	6.5	4.7	9.0	7.0
Freq. (MHz)	300.0	233.5	495.0	466.0
Limit (dB)	28.8	30.7	23.3	24.0

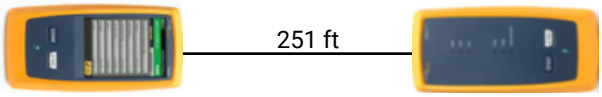
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.3	9.9	11.7	10.0
Freq. (MHz)	384.0	384.0	498.0	386.0
Limit (dB)	11.6	11.6	9.3	11.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.9	11.2	11.2	12.7
Freq. (MHz)	416.0	3.1	427.0	384.0
Limit (dB)	7.9	50.4	7.6	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	9.5	26.9	20.7
Freq. (MHz)	2.5	9.4	496.0	466.0
Limit (dB)	61.7	50.8	-22.9	-20.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.6	9.8	26.7	23.8
Freq. (MHz)	5.1	6.5	500.0	495.0
Limit (dB)	54.1	51.8	-26.1	-25.7

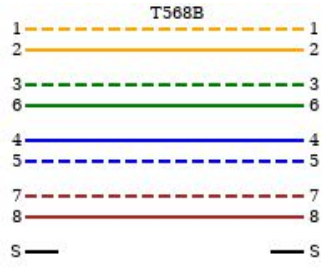
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	5.8	2.7	7.8	2.7
Freq. (MHz)	6.0	498.0	424.0	498.0
Limit (dB)	19.0	6.0	6.0	6.0

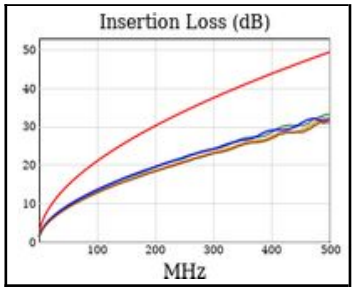
Compliant Network Standards:

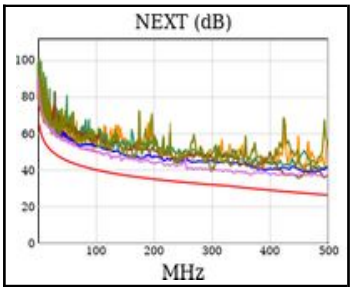
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

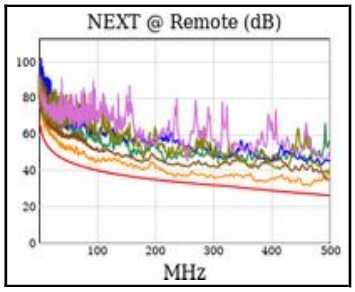


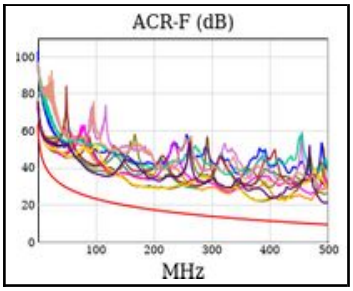
PASS

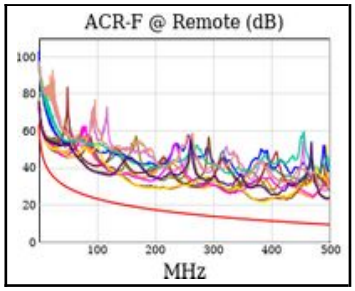


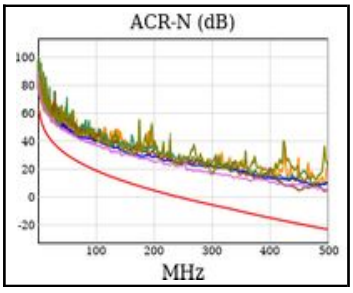


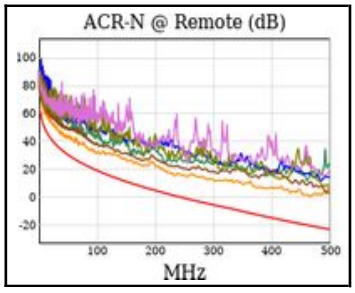


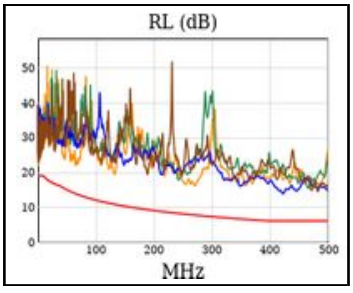


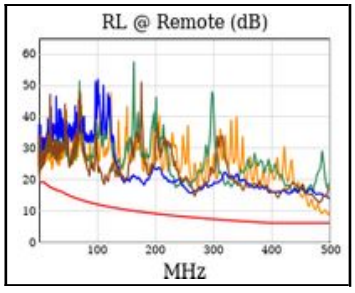












FLUKE networks

LinkWare Live

Cable ID: 131-A

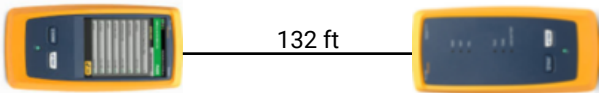
Test Summary: PASS

Date / Time: 12/03/2022 06:15:24 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

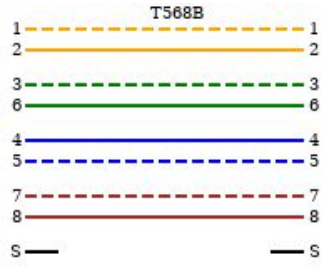
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

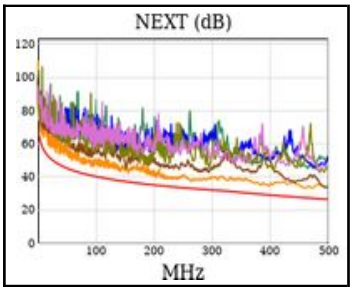
Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	12.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.3
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

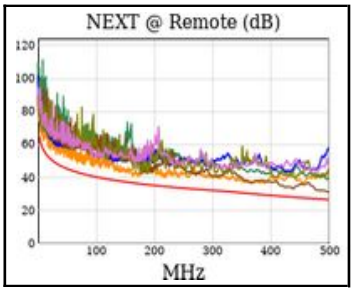


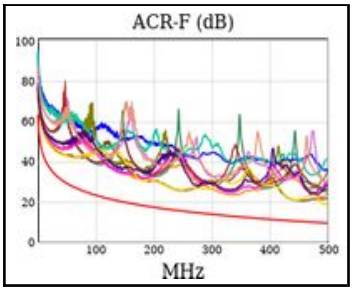
PASS

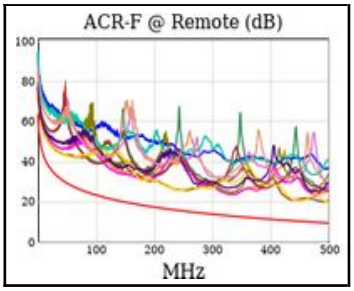


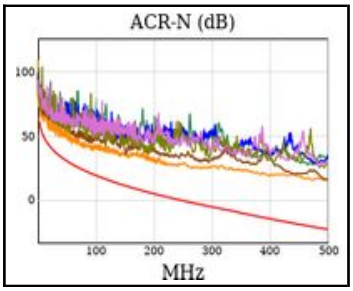


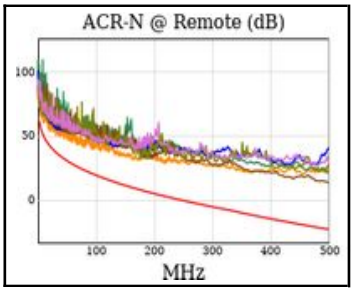


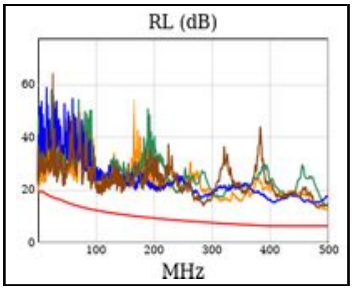


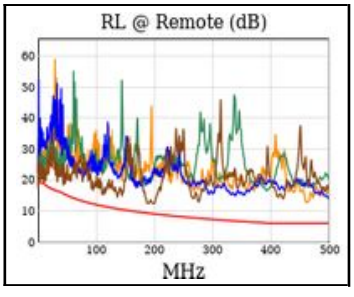












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	4.0	6.1	4.2
Freq. (MHz)	265.0	165.0	475.0	500.0
Limit (dB)	32.7	36.2	26.7	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.2	5.0	6.8	6.4
Freq. (MHz)	220.0	176.5	500.0	500.0
Limit (dB)	31.1	32.8	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.2	9.8	9.2	10.4
Freq. (MHz)	495.0	241.0	495.0	491.0
Limit (dB)	9.4	15.6	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.6	10.3	11.2
Freq. (MHz)	493.0	334.0	493.0	478.0
Limit (dB)	6.4	9.8	6.4	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.5	8.7	38.2	35.9
Freq. (MHz)	5.3	5.3	500.0	500.0
Limit (dB)	56.4	56.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	9.6	37.5	37.2
Freq. (MHz)	5.0	5.0	500.0	500.0
Limit (dB)	54.3	54.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.7	2.6	6.1	3.3
Freq. (MHz)	44.5	44.5	498.0	201.0
Limit (dB)	15.5	15.5	6.0	9.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 131-B

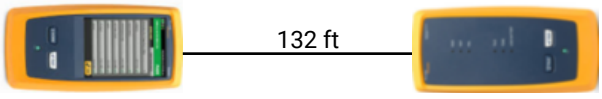
Test Summary: PASS

Date / Time: 12/03/2022 06:13:19 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

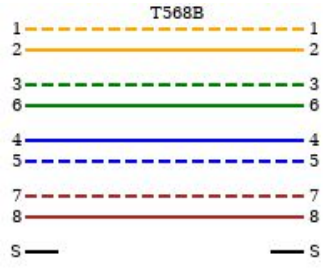
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

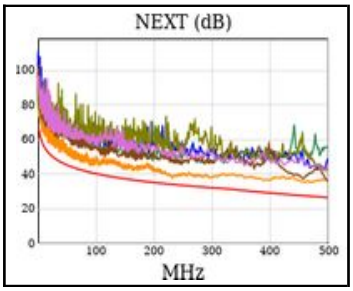
Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	13.6
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

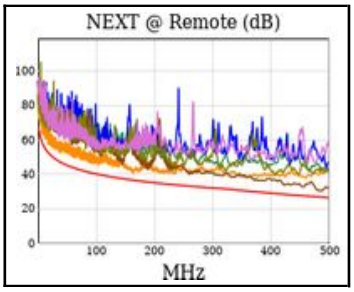


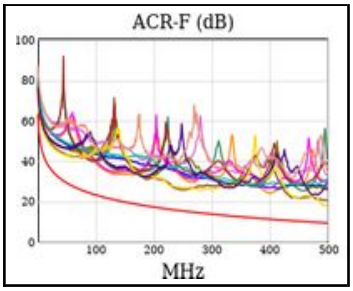
PASS

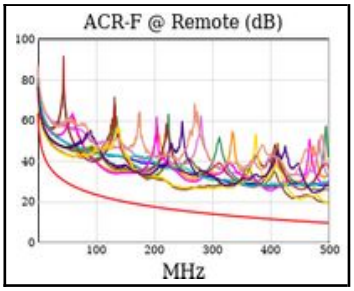


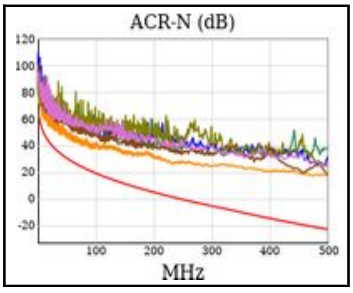


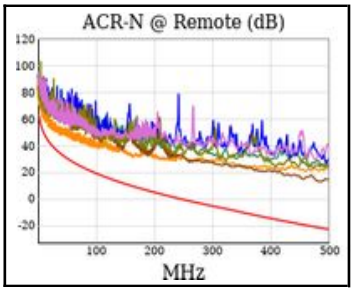


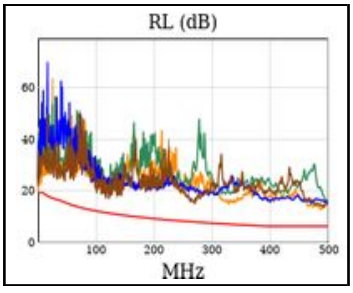


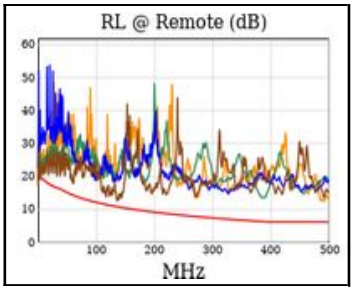












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	3.5	7.6	3.5
Freq. (MHz)	232.5	488.0	461.0	488.0
Limit (dB)	33.7	26.4	27.1	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	5.7	9.2	5.7
Freq. (MHz)	91.8	486.0	500.0	486.0
Limit (dB)	37.7	23.6	23.2	23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.6	9.8	8.6	9.8
Freq. (MHz)	499.0	500.0	499.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	10.8	11.7
Freq. (MHz)	499.0	5.3	499.0	499.0
Limit (dB)	6.3	45.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	8.7	38.9	34.8
Freq. (MHz)	8.0	2.8	486.0	488.0
Limit (dB)	52.4	61.5	-22.1	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	10.0	39.8	35.8
Freq. (MHz)	2.6	2.6	500.0	488.0
Limit (dB)	58.6	58.6	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.4	1.7	6.3	6.0
Freq. (MHz)	123.5	136.5	487.0	493.0
Limit (dB)	11.1	10.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 131-A

Test Summary: PASS

Date / Time: 12/17/2022 05:50:32 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	215
Prop. Delay (ns), Limit 555	[Pair 4,5]	333
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	1.9	7.6	1.9	9.0
Freq. (MHz)	299.0	311.0	299.0	469.0
Limit (dB)	31.8	31.5	31.8	26.9
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.0	7.7	3.2	10.0
Freq. (MHz)	178.5	3.0	299.0	498.0
Limit (dB)	32.7	62.0	28.8	23.3

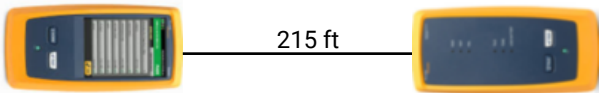
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.5	9.4	9.6
Freq. (MHz)	457.0	441.0	457.0	451.0
Limit (dB)	10.1	10.4	10.1	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.6	10.8	11.7
Freq. (MHz)	5.3	8.4	484.0	494.0
Limit (dB)	45.9	41.8	6.6	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	1,2-3,6
ACR-N (dB)	7.0	9.6	30.9	29.9
Freq. (MHz)	12.3	3.1	488.0	490.0
Limit (dB)	48.0	61.1	-22.3	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.9	9.1	32.0	30.6
Freq. (MHz)	4.4	3.0	500.0	490.0
Limit (dB)	55.6	58.4	-26.1	-25.3

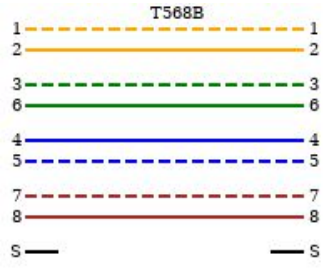
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	6.2	2.7	8.1	7.7
Freq. (MHz)	63.3	8.3	500.0	491.0
Limit (dB)	14.0	19.0	6.0	6.0

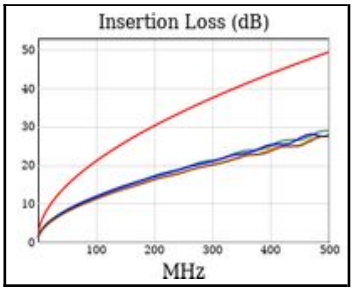
Compliant Network Standards:

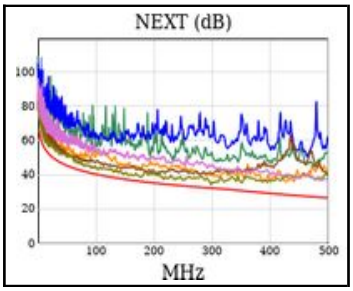
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

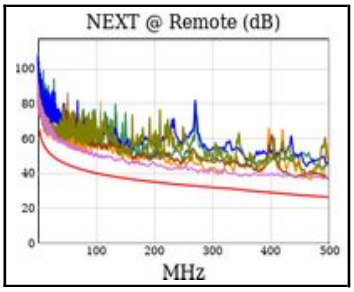


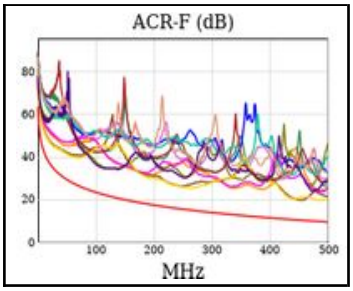
PASS

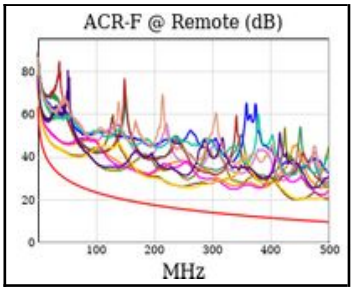


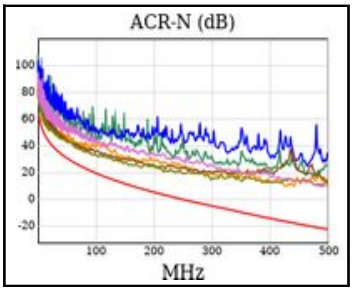


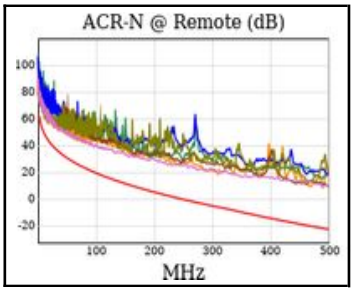


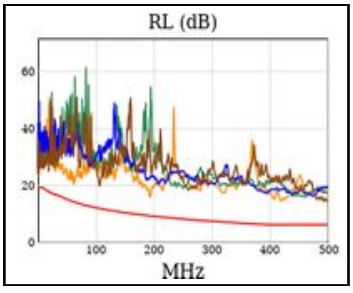


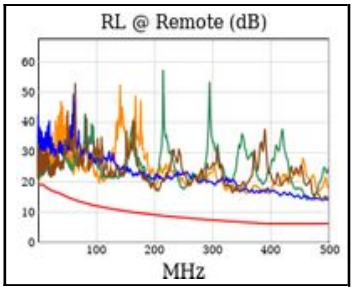












FLUKE networks

LinkWare™ Live

Cable ID: 131-B

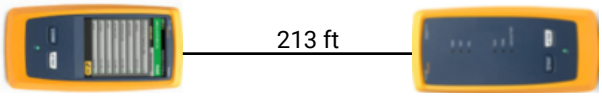
Test Summary: PASS

Date / Time: 12/17/2022 05:51:00 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

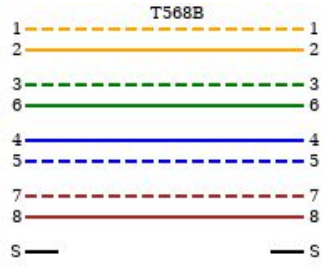
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

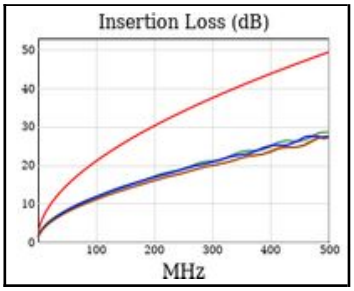
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

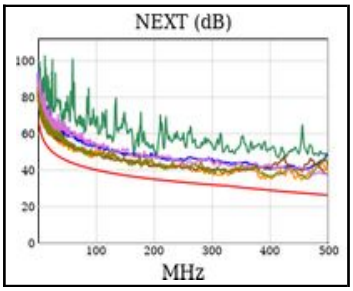
Length (ft), Limit 328	[Pair 7,8]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	332
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	17.5
Insertion Loss Margin (dB)	[Pair 3,6]	20.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

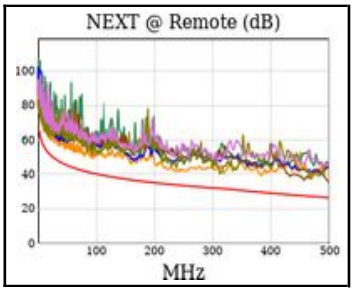


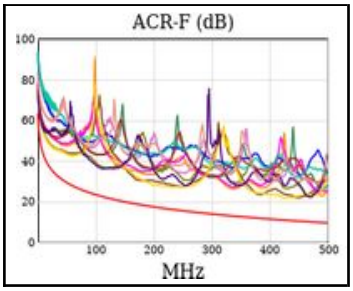
PASS

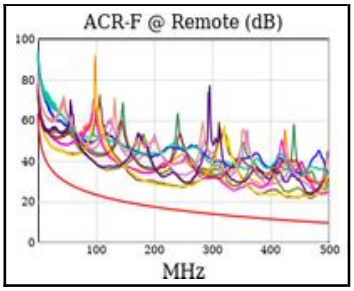


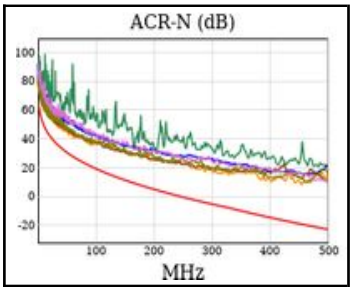


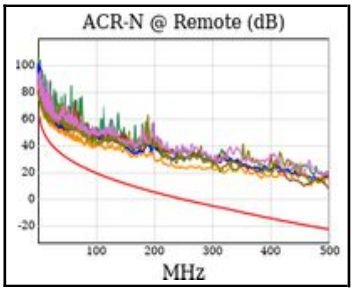


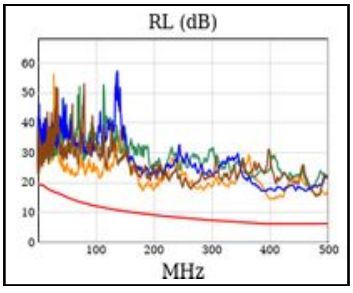


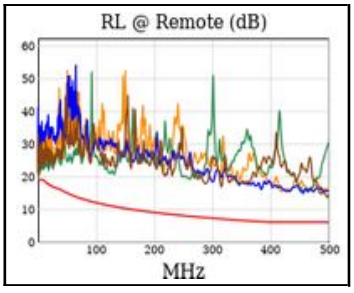












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	5.3	7.5	7.1	9.2
Freq. (MHz)	303.0	238.0	456.0	500.0
Limit (dB)	31.7	33.5	27.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	8.2	7.3	9.2
Freq. (MHz)	306.0	11.1	455.0	470.0
Limit (dB)	28.6	53.2	24.3	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	7,8-3,6
ACR-F (dB)	10.6	10.9	11.0	11.6
Freq. (MHz)	18.6	18.6	427.0	471.0
Limit (dB)	37.9	37.9	10.6	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.6	12.4	12.2
Freq. (MHz)	5.3	5.1	481.0	472.0
Limit (dB)	45.9	46.1	6.6	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	11.2	27.6	31.0
Freq. (MHz)	7.8	11.1	456.0	500.0
Limit (dB)	52.7	49.0	-19.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	10.2	27.9	29.7
Freq. (MHz)	7.6	3.1	456.0	471.0
Limit (dB)	50.3	58.3	-22.6	-23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	7,8
RL (dB)	6.2	3.1	8.1	7.6
Freq. (MHz)	8.6	8.3	408.0	498.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 131-A

Test Summary: PASS

Date / Time: 11/21/2022 05:59:43 PM
Headroom: 1.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	185
Prop. Delay (ns), Limit 555	[Pair 4,5]	288
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.9	1.7	4.9	3.6
Freq. (MHz)	75.5	312.0	499.0	478.0
Limit (dB)	42.0	31.5	26.1	26.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	1.4	6.4	4.6
Freq. (MHz)	16.8	111.5	494.0	442.0
Limit (dB)	50.3	36.3	23.4	24.6

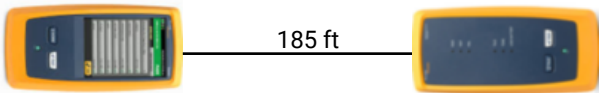
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.7	9.4	11.3	9.6
Freq. (MHz)	303.0	302.0	500.0	500.0
Limit (dB)	13.6	13.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.5	12.5	11.9
Freq. (MHz)	6.4	6.1	495.0	498.0
Limit (dB)	44.2	44.5	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.2	7.2	29.8	26.5
Freq. (MHz)	3.8	3.5	499.0	478.0
Limit (dB)	59.5	60.1	-23.1	-21.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	7.0	29.9	29.3
Freq. (MHz)	3.8	3.8	494.0	497.0
Limit (dB)	57.0	57.0	-25.6	-25.8

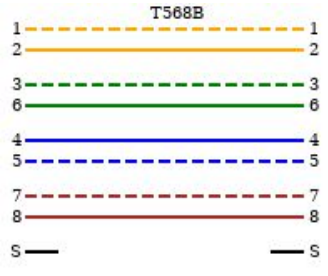
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.3	5.1	7.9	5.1
Freq. (MHz)	72.0	492.0	493.0	492.0
Limit (dB)	13.4	6.0	6.0	6.0

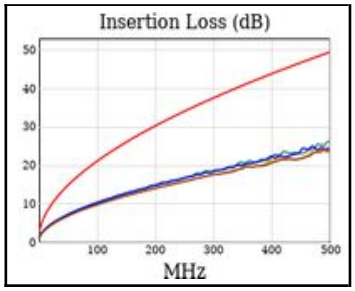
Compliant Network Standards:

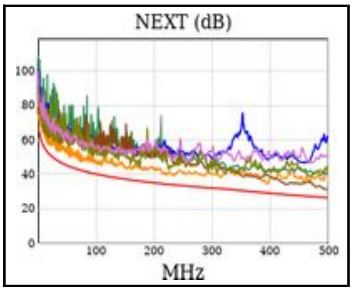
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

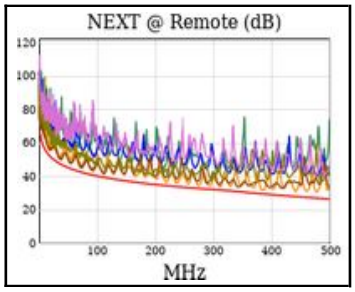


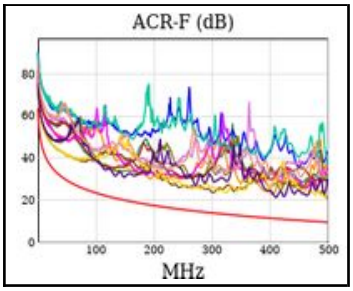
PASS

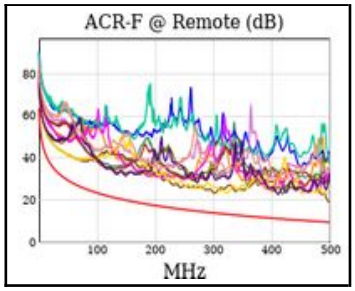


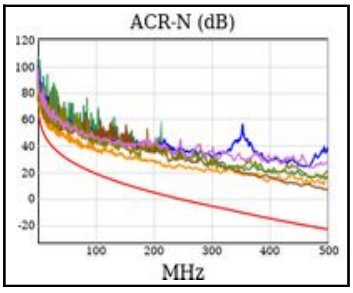


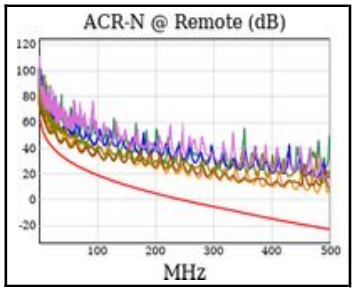


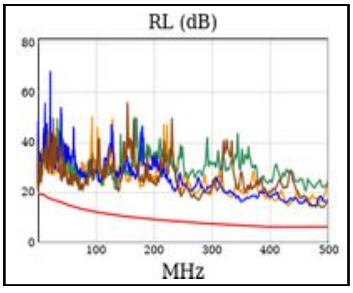


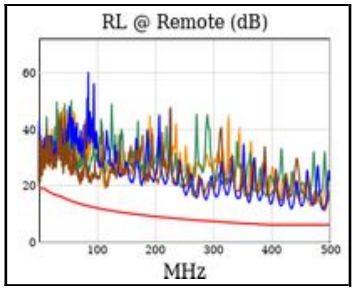












FLUKE networks

LinkWare Live

Cable ID: 131-B

Test Summary: PASS

Date / Time: 11/21/2022 06:00:17 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	284
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	24.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	3.1	4.1	4.4
Freq. (MHz)	500.0	80.8	500.0	495.0
Limit (dB)	26.1	41.5	26.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	5.4	6.1	6.6
Freq. (MHz)	500.0	224.5	500.0	495.0
Limit (dB)	23.2	31.0	23.2	23.3

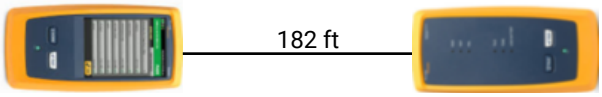
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.5	9.2	9.5	9.2
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.3	10.3	11.4	11.7
Freq. (MHz)	6.4	2.5	498.0	500.0
Limit (dB)	44.2	52.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.0	7.4	29.5	28.5
Freq. (MHz)	5.5	5.6	500.0	495.0
Limit (dB)	56.0	55.8	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	9.0	30.5	30.7
Freq. (MHz)	5.4	3.6	500.0	495.0
Limit (dB)	53.7	57.3	-26.1	-25.7

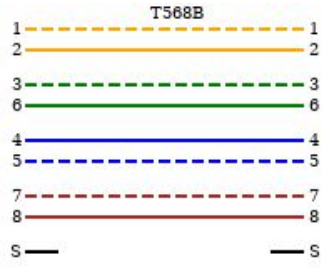
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	7,8
RL (dB)	6.1	6.7	7.1	6.7
Freq. (MHz)	48.5	498.0	495.0	498.0
Limit (dB)	15.1	6.0	6.0	6.0

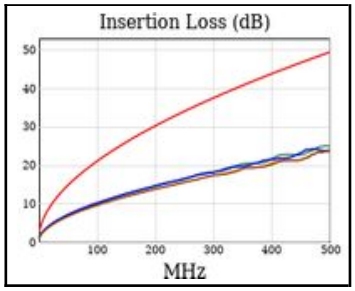
Compliant Network Standards:

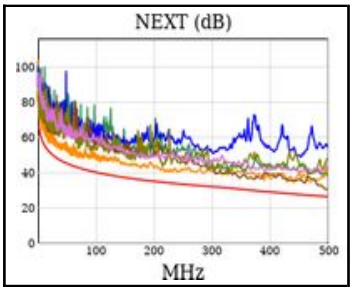
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

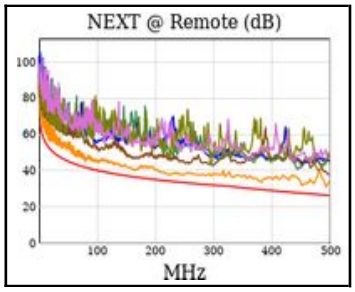


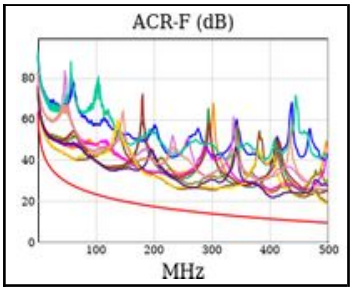
PASS

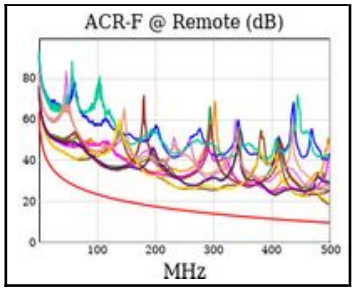


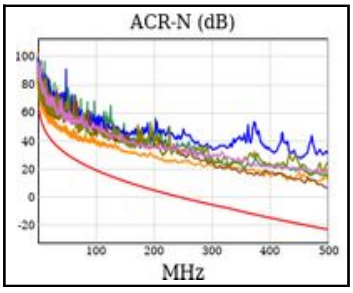


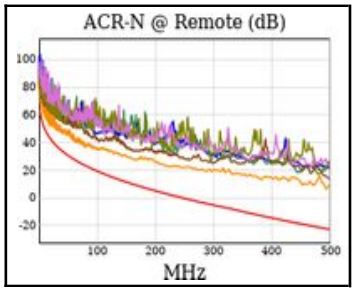


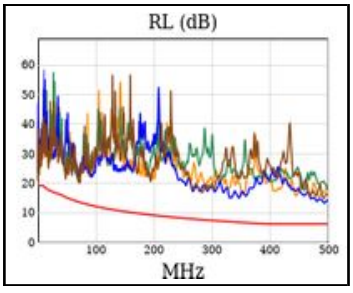


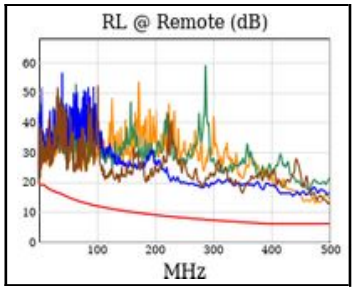












FLUKE networks

LinkWare Live

Cable ID: 132-1-A

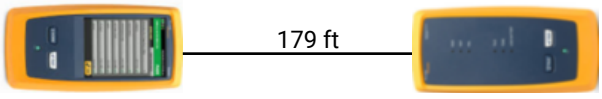
Test Summary: PASS

Date / Time: 12/03/2022 11:52:53 AM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

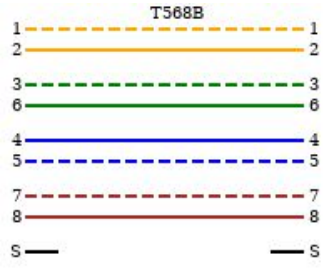
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	179
Prop. Delay (ns), Limit 555	[Pair 3,6]	277
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 7,8]	18.1
Insertion Loss Margin (dB)	[Pair 3,6]	23.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3



PASS

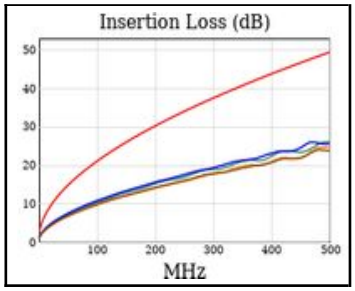


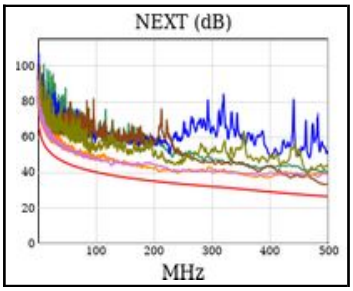
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.4	4.4	6.6	7.7
Freq. (MHz)	127.0	195.0	494.0	475.0
Limit (dB)	38.2	35.0	26.2	26.7
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.5	4.2	8.0	5.6
Freq. (MHz)	89.8	91.8	500.0	381.0
Limit (dB)	37.9	37.7	23.2	26.4

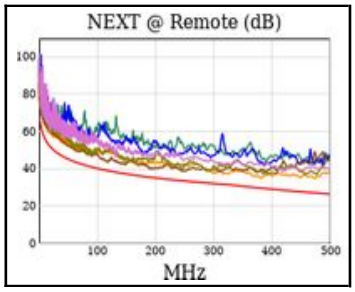
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.6	10.4	11.3
Freq. (MHz)	467.0	460.0	471.0	500.0
Limit (dB)	9.9	10.0	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.6	12.0	11.6
Freq. (MHz)	495.0	483.0	497.0	483.0
Limit (dB)	6.4	6.6	6.3	6.6

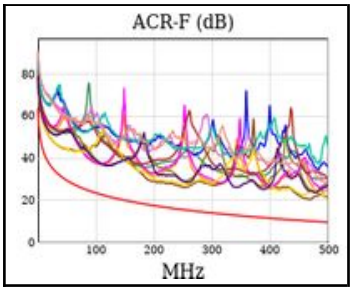
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.8	9.4	30.6	30.8
Freq. (MHz)	5.6	3.5	500.0	475.0
Limit (dB)	55.8	60.1	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	8.2	31.7	31.8
Freq. (MHz)	3.8	3.6	500.0	479.0
Limit (dB)	57.0	57.3	-26.1	-24.4

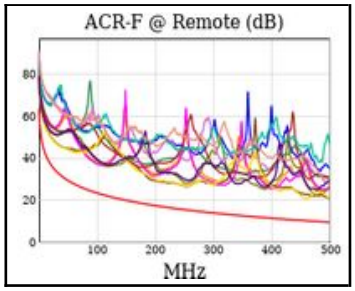
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	3.8	3.9	6.5	5.0
Freq. (MHz)	106.0	103.5	500.0	478.0
Limit (dB)	11.7	11.9	6.0	6.0

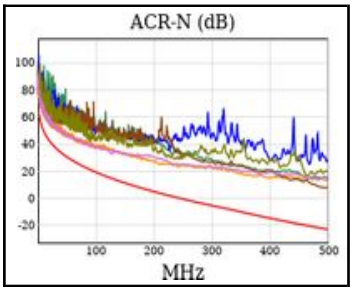


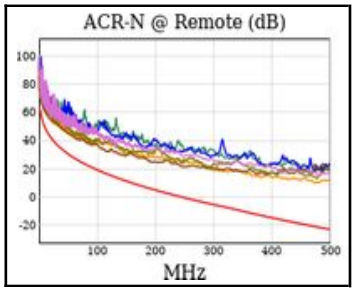


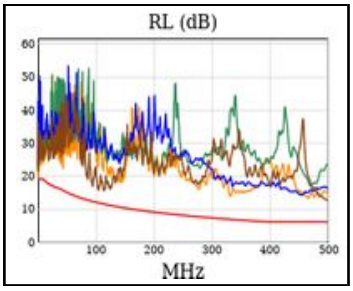


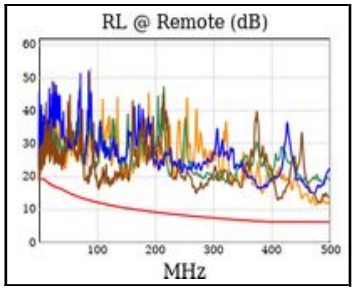












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-1-B

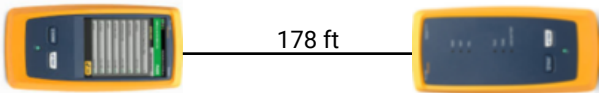
Test Summary: PASS

Date / Time: 12/03/2022 11:53:30 AM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

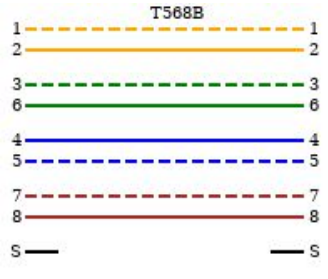
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

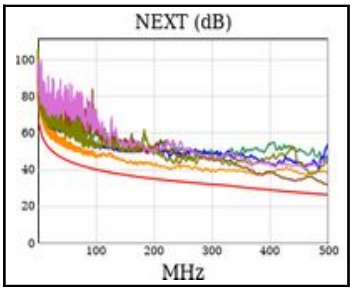
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	276
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 7,8]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

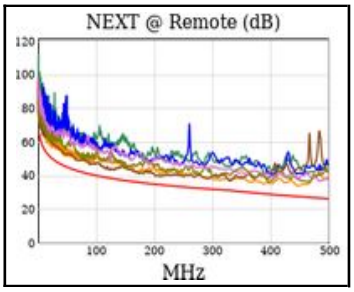


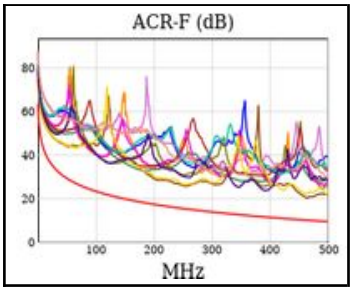
PASS

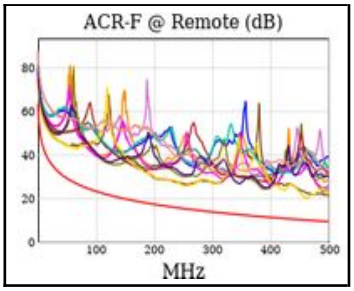


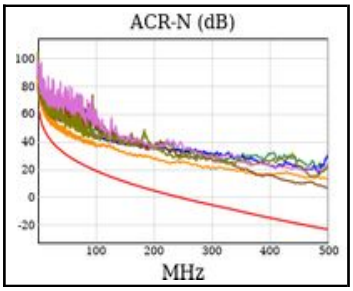


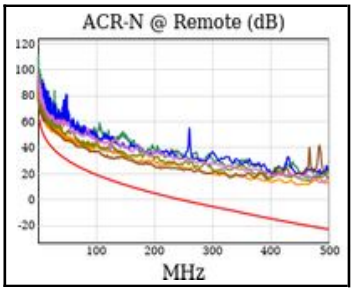


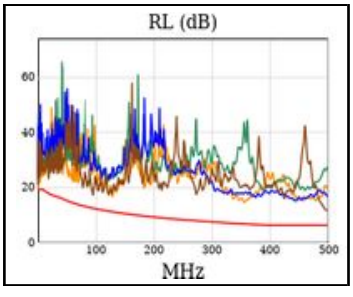


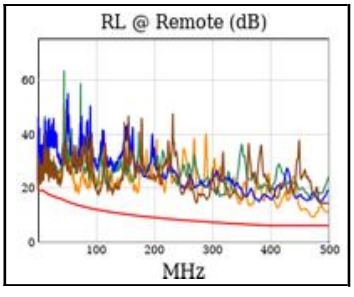












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.6	4.7	5.6	6.2
Freq. (MHz)	23.4	203.0	500.0	448.0
Limit (dB)	50.5	34.7	26.1	27.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.8	4.5	7.3	5.8
Freq. (MHz)	3.6	211.5	499.0	398.0
Limit (dB)	61.2	31.4	23.3	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.0	10.3	10.1
Freq. (MHz)	465.0	462.0	465.0	463.0
Limit (dB)	9.9	10.0	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.5	11.5	13.5	11.5
Freq. (MHz)	253.0	493.0	500.0	493.0
Limit (dB)	12.2	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.1	8.4	29.9	29.9
Freq. (MHz)	3.8	3.4	500.0	448.0
Limit (dB)	59.5	60.4	-23.2	-19.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.0	7.9	31.3	32.6
Freq. (MHz)	3.6	3.6	499.0	468.0
Limit (dB)	57.3	57.3	-26.0	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.7	3.1	5.4	3.1
Freq. (MHz)	96.0	475.0	500.0	475.0
Limit (dB)	12.2	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-2-A

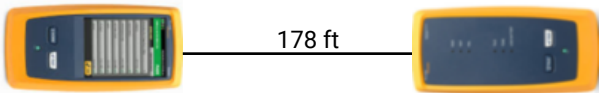
Test Summary: PASS

Date / Time: 12/03/2022 12:53:12 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

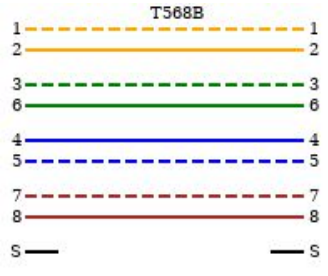
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

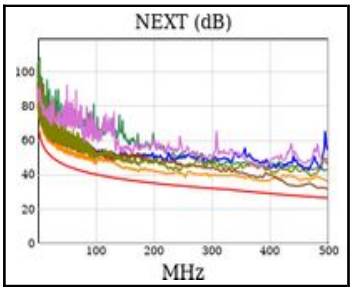
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 3,6]	277
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

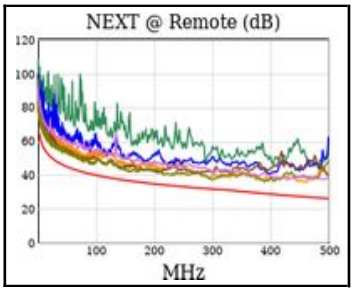


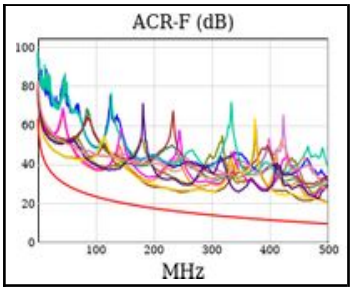
PASS

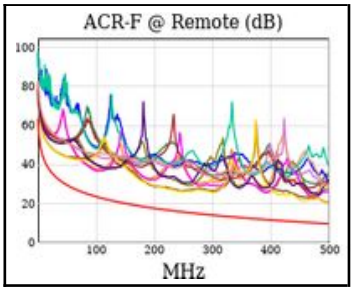


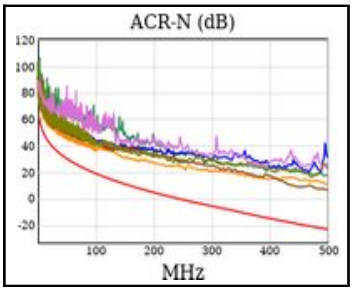


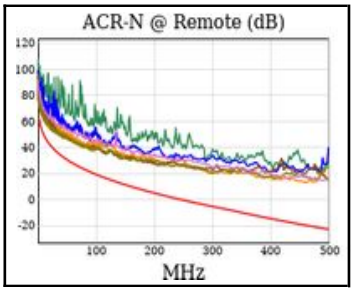


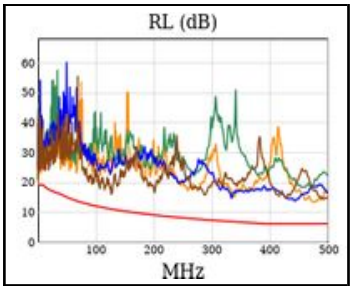


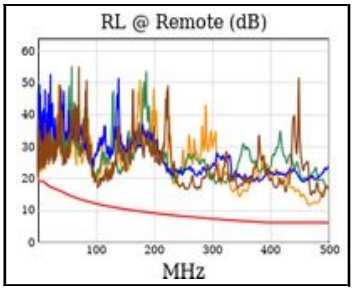












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	5.3	5.2	8.8
Freq. (MHz)	255.0	158.0	500.0	463.0
Limit (dB)	33.0	36.5	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	5.2	6.7	6.9
Freq. (MHz)	255.0	158.0	500.0	391.0
Limit (dB)	30.0	33.6	23.2	26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.3	11.0	10.9
Freq. (MHz)	248.5	248.5	500.0	500.0
Limit (dB)	15.4	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.3	11.1	11.3
Freq. (MHz)	476.0	476.0	476.0	476.0
Limit (dB)	6.7	6.7	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	9.7	29.5	32.9
Freq. (MHz)	5.9	3.6	500.0	463.0
Limit (dB)	55.3	59.8	-23.2	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	8.4	30.8	34.6
Freq. (MHz)	5.9	3.5	500.0	481.0
Limit (dB)	52.8	57.6	-26.1	-24.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.9	4.2	7.2	5.5
Freq. (MHz)	127.5	12.3	477.0	468.0
Limit (dB)	10.9	18.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-2-B

Test Summary: PASS

Date / Time: 12/03/2022 12:54:14 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	179
Prop. Delay (ns), Limit 555	[Pair 3,6]	277
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	23.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.5	5.0	4.5	7.4
Freq. (MHz)	498.0	302.0	498.0	463.0
Limit (dB)	26.1	31.7	26.1	27.0
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	6.1	4.8	6.3	7.9
Freq. (MHz)	386.0	174.0	498.0	463.0
Limit (dB)	26.2	32.9	23.3	24.1

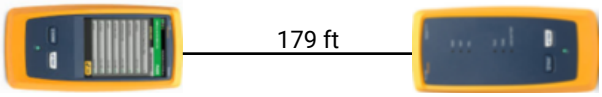
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.3	10.6	10.3
Freq. (MHz)	456.0	453.0	456.0	453.0
Limit (dB)	10.1	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.9	12.9	11.9
Freq. (MHz)	400.0	399.0	490.0	399.0
Limit (dB)	8.2	8.2	6.5	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	8.6	8.7	28.3	32.2
Freq. (MHz)	3.6	5.8	498.0	463.0
Limit (dB)	59.8	55.6	-23.1	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	8.2	30.0	31.7
Freq. (MHz)	3.6	3.8	498.0	464.0
Limit (dB)	57.3	57.0	-25.9	-23.2

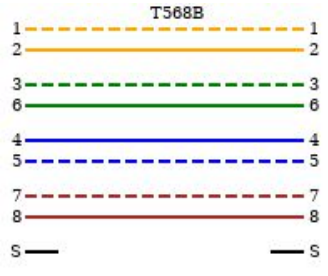
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	3.7	3.2	5.0	6.5
Freq. (MHz)	88.5	103.5	488.0	488.0
Limit (dB)	12.5	11.9	6.0	6.0

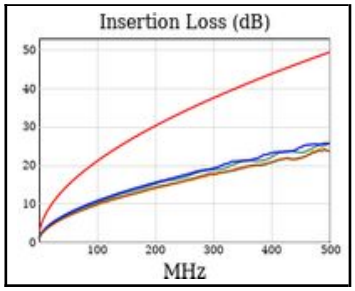
Compliant Network Standards:

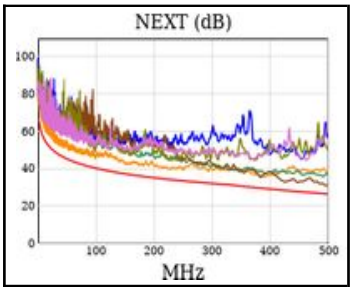
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

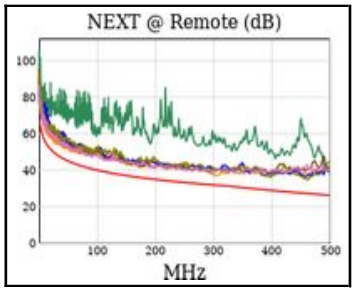


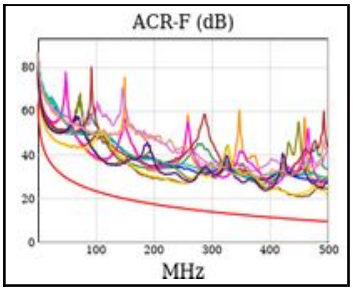
PASS

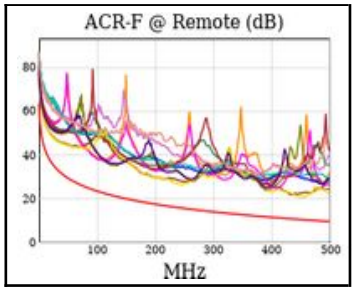


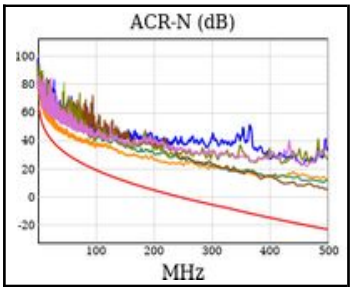


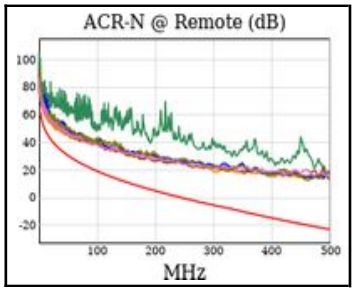


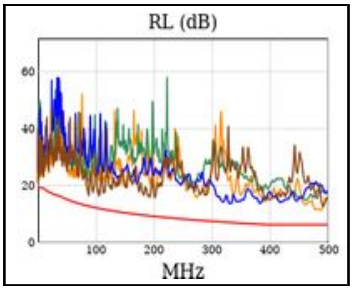


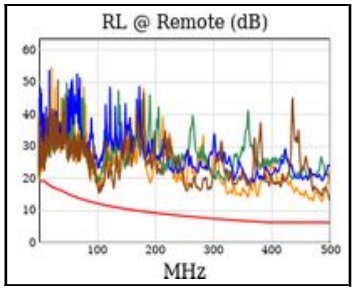












FLUKE networks

LinkWare Live

Cable ID: 132-3-A

Test Summary: PASS

Date / Time: 12/03/2022 12:36:43 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 3,6]	309
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	21.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.3	4.9	5.3	6.9
Freq. (MHz)	500.0	111.0	500.0	393.0
Limit (dB)	26.1	39.2	26.1	28.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	4.8	7.3	6.4
Freq. (MHz)	242.5	88.5	500.0	394.0
Limit (dB)	30.4	38.0	23.2	26.0

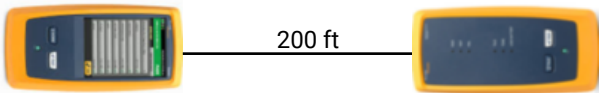
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	10.1	10.3	10.6
Freq. (MHz)	395.0	395.0	447.0	447.0
Limit (dB)	11.3	11.3	10.3	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.3	11.5	12.3
Freq. (MHz)	468.0	5.4	470.0	470.0
Limit (dB)	6.9	45.6	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.6	8.7	26.8	33.0
Freq. (MHz)	5.0	4.6	500.0	496.0
Limit (dB)	56.9	57.6	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	8.1	28.5	33.6
Freq. (MHz)	5.0	3.1	499.0	492.0
Limit (dB)	54.3	58.3	-26.0	-25.5

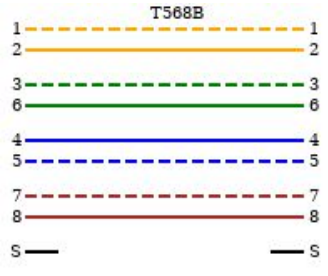
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.2	4.3	5.6	5.7
Freq. (MHz)	115.0	42.8	489.0	491.0
Limit (dB)	11.4	15.7	6.0	6.0

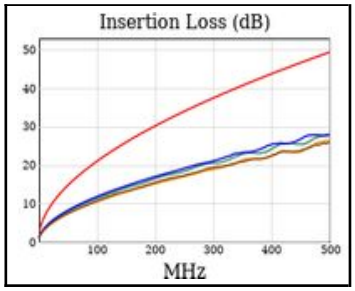
Compliant Network Standards:

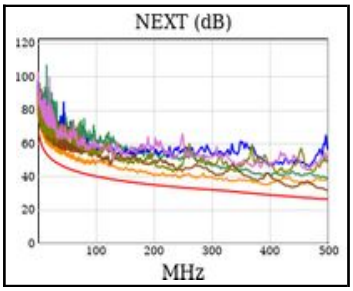
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

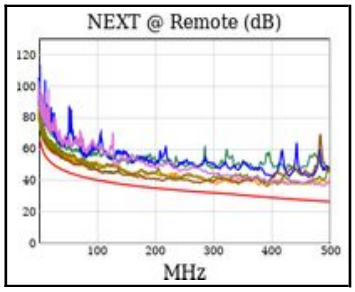


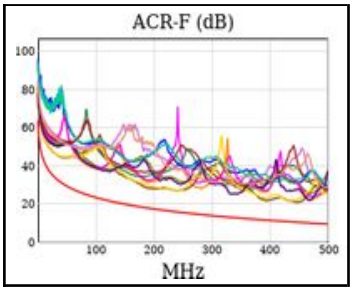
PASS

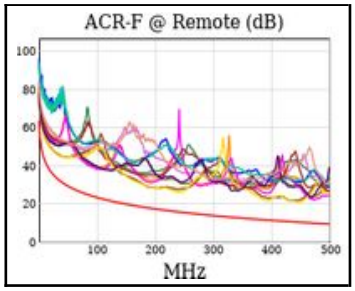


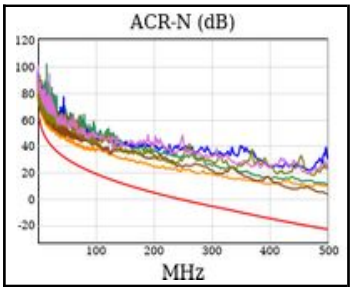


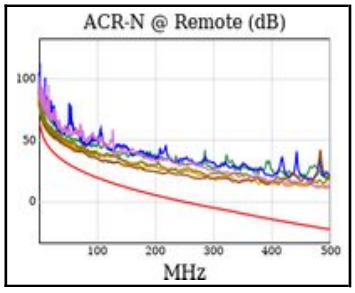


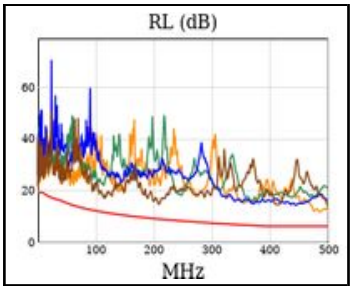


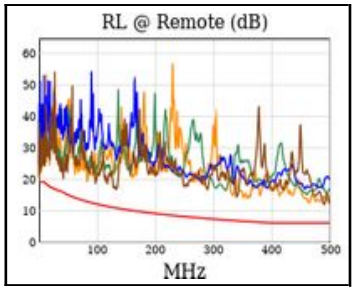












FLUKE networks

LinkWare Live

Cable ID: 132-3-B

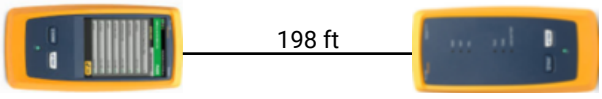
Test Summary: PASS

Date / Time: 12/03/2022 12:37:20 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

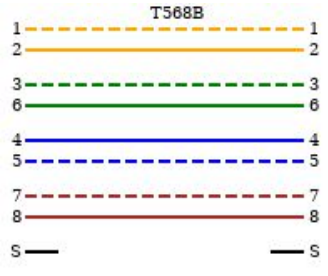
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

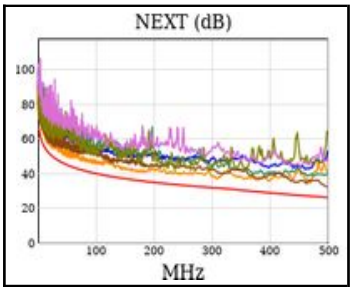
Length (ft), Limit 328	[Pair 7,8]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	307
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	22.0
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

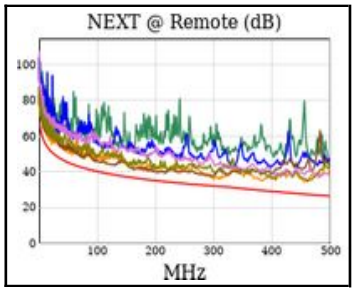


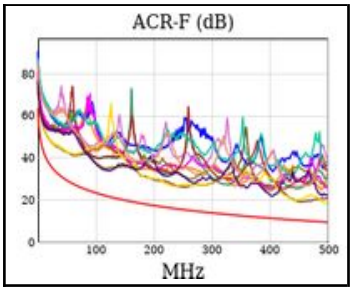
PASS

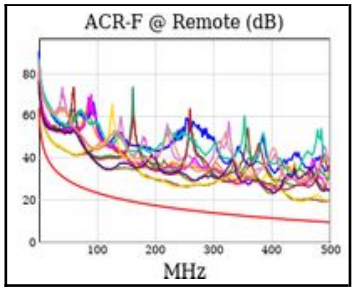


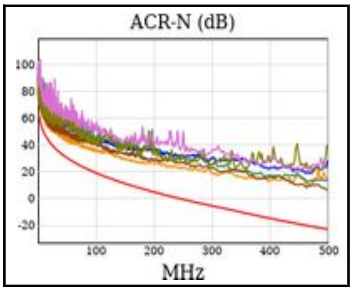


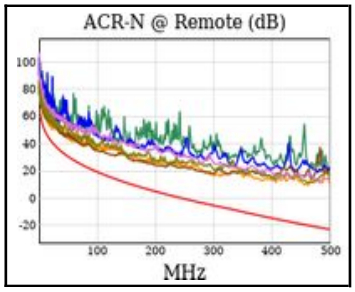


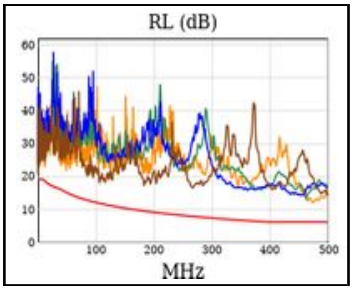


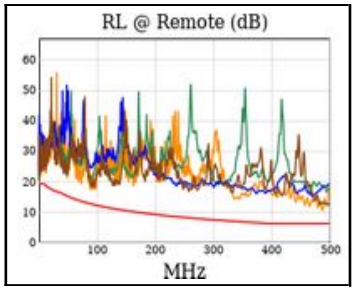












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.9	3.5	6.1	6.9
Freq. (MHz)	15.5	302.0	499.0	463.0
Limit (dB)	53.5	31.7	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.0	3.5	8.1	7.1
Freq. (MHz)	24.8	302.0	499.0	463.0
Limit (dB)	47.4	28.7	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	8.8	9.0	9.1	9.8
Freq. (MHz)	454.0	446.0	498.0	496.0
Limit (dB)	10.1	10.3	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	10.0	10.8	10.2	10.9
Freq. (MHz)	490.0	454.0	496.0	496.0
Limit (dB)	6.5	7.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.9	7.7	29.4	29.1
Freq. (MHz)	15.5	3.4	499.0	463.0
Limit (dB)	45.4	60.4	-23.1	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	7.1	30.7	29.3
Freq. (MHz)	7.0	3.4	499.0	463.0
Limit (dB)	51.1	57.9	-26.0	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.4	4.0	5.9	4.3
Freq. (MHz)	12.6	12.6	476.0	488.0
Limit (dB)	18.5	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-4-A

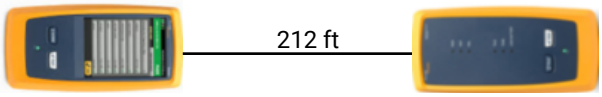
Test Summary: PASS

Date / Time: 12/03/2022 12:17:52 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

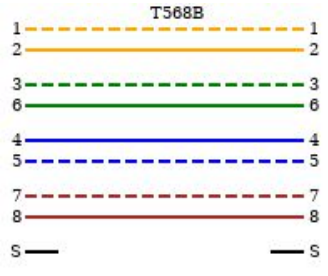
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

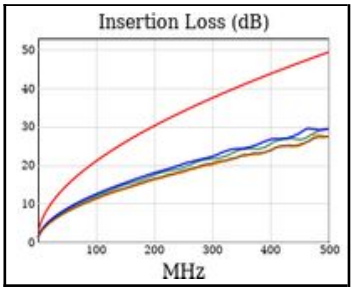
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

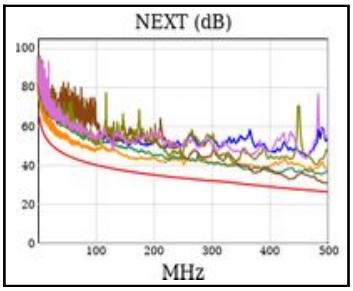
Length (ft), Limit 328	[Pair 1,2]	212
Prop. Delay (ns), Limit 555	[Pair 3,6]	327
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 4,5]	18.0
Frequency (MHz)	[Pair 4,5]	467.0
Limit (dB)	[Pair 4,5]	47.5

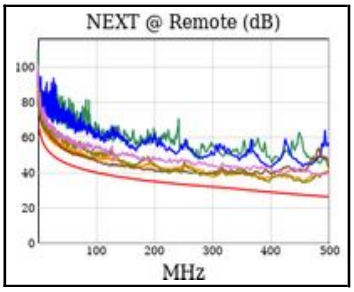


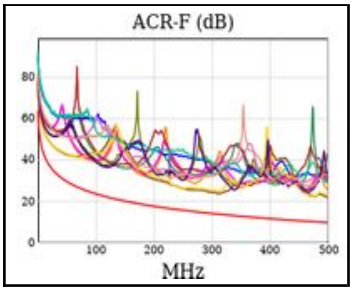
PASS

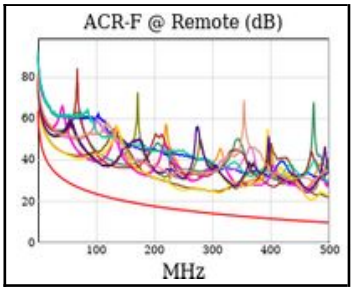


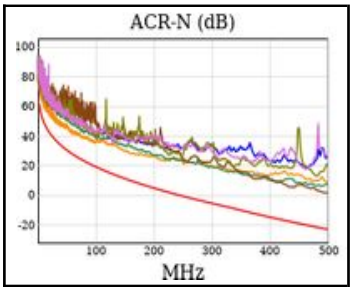


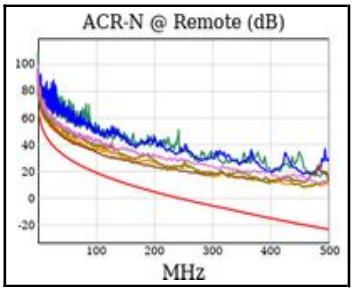


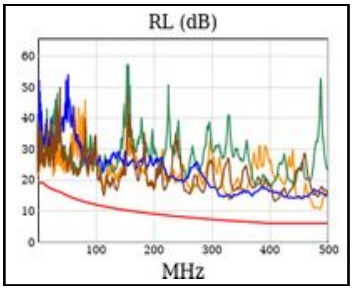


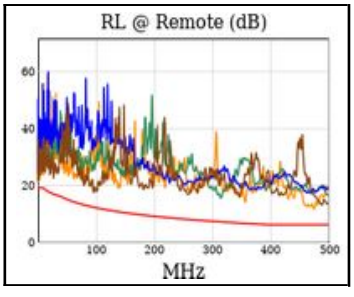












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.4	5.3	4.5	7.0
Freq. (MHz)	497.0	123.0	498.0	455.0
Limit (dB)	26.2	38.4	26.1	27.2
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	6.1	4.7	6.2	6.8
Freq. (MHz)	492.0	164.0	498.0	457.0
Limit (dB)	23.4	33.4	23.3	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.5	12.3	10.5
Freq. (MHz)	314.0	251.0	499.0	471.0
Limit (dB)	13.3	15.3	9.3	9.8
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.3	11.0	12.3	12.6
Freq. (MHz)	5.3	251.0	470.0	470.0
Limit (dB)	45.9	12.3	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.2	9.4	24.4	27.8
Freq. (MHz)	4.8	6.4	498.0	457.0
Limit (dB)	57.3	54.6	-23.1	-19.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.0	8.3	26.1	27.3
Freq. (MHz)	3.1	3.1	498.0	461.0
Limit (dB)	58.3	58.3	-25.9	-23.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	3.4	4.6	4.7	5.5
Freq. (MHz)	115.0	10.3	487.0	475.0
Limit (dB)	11.4	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-4-B

Test Summary: PASS

Date / Time: 12/03/2022 12:18:38 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	211
Prop. Delay (ns), Limit 555	[Pair 3,6]	326
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	20.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.3	5.3	4.3	7.1
Freq. (MHz)	500.0	301.0	500.0	463.0
Limit (dB)	26.1	31.7	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	4.8	6.0	7.1
Freq. (MHz)	498.0	170.5	498.0	464.0
Limit (dB)	23.3	33.1	23.3	24.1

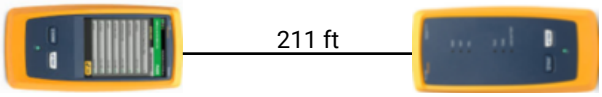
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	12.0	11.7	12.1	12.9
Freq. (MHz)	257.0	251.0	462.0	497.0
Limit (dB)	15.1	15.3	10.0	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	12.0	12.2	13.0
Freq. (MHz)	257.0	262.0	465.0	465.0
Limit (dB)	12.1	11.9	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.5	8.5	24.8	30.7
Freq. (MHz)	4.8	4.8	500.0	498.0
Limit (dB)	57.3	57.3	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	7.6	26.2	27.5
Freq. (MHz)	3.1	3.1	498.0	465.0
Limit (dB)	58.3	58.3	-25.9	-23.3

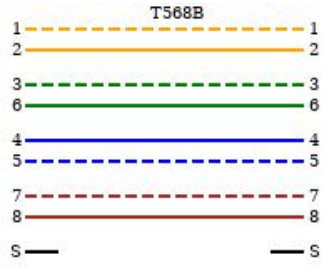
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.8	3.5	3.8	4.5
Freq. (MHz)	477.0	10.4	477.0	473.0
Limit (dB)	6.0	18.9	6.0	6.0

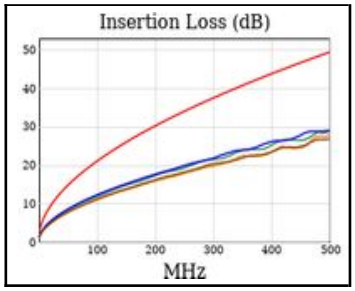
Compliant Network Standards:

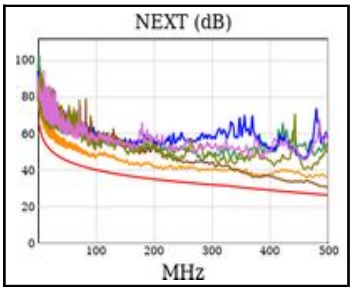
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

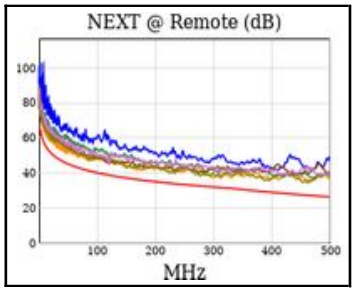


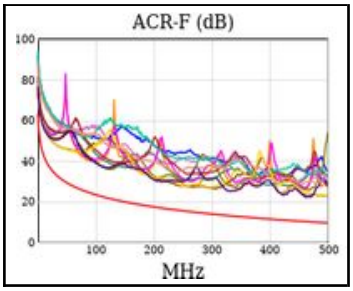
PASS

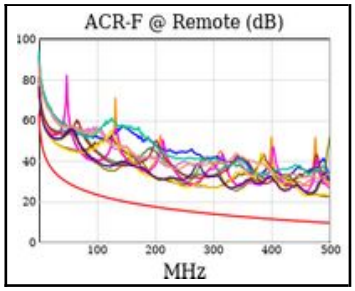


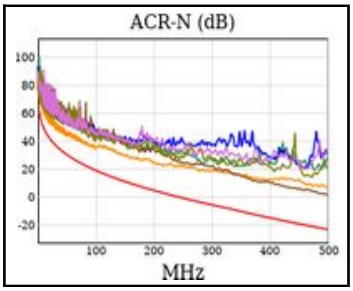


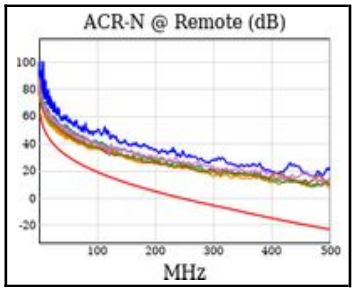


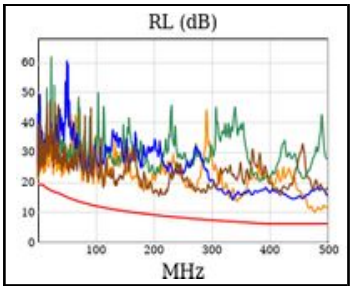


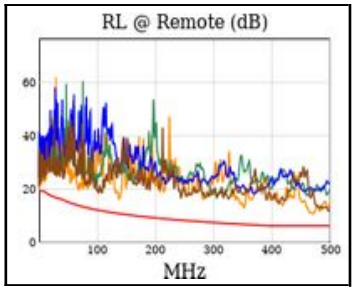












FLUKE networks

LinkWare Live

Cable ID: 132-A

Test Summary: PASS

Date / Time: 12/19/2022 03:25:39 PM
Headroom: 5.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
NEXT (dB)	5.8	7.0	11.0	7.6
Freq. (MHz)	3.1	3.3	477.0	499.0
Limit (dB)	64.8	64.5	26.7	26.1
Worst Pair	3,6	4,5	7,8	4,5
PS NEXT (dB)	5.8	8.2	10.8	8.2
Freq. (MHz)	228.0	499.0	473.0	499.0
Limit (dB)	30.9	23.3	23.9	23.3

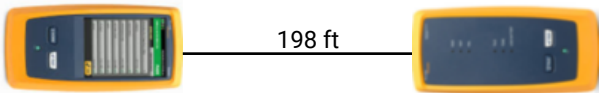
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.3	9.5	12.1	11.5
Freq. (MHz)	5.8	5.8	500.0	499.0
Limit (dB)	48.1	48.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.8	9.6	11.2
Freq. (MHz)	327.0	3.8	329.0	496.0
Limit (dB)	10.0	48.8	9.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	8.8	31.3	26.1
Freq. (MHz)	3.1	3.1	500.0	499.0
Limit (dB)	61.1	61.1	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.1	10.5	28.4	26.8
Freq. (MHz)	4.8	3.3	470.0	499.0
Limit (dB)	54.8	58.2	-23.7	-26.0

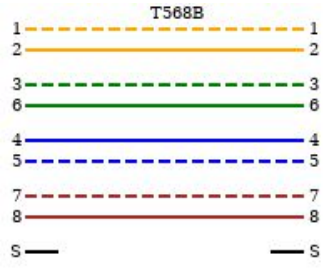
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	7.1	5.8	7.1	7.2
Freq. (MHz)	479.0	10.1	479.0	489.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

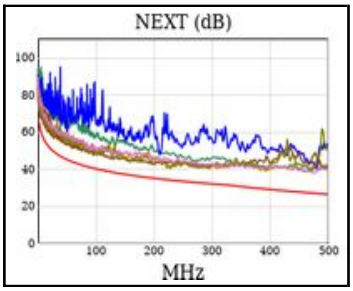
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

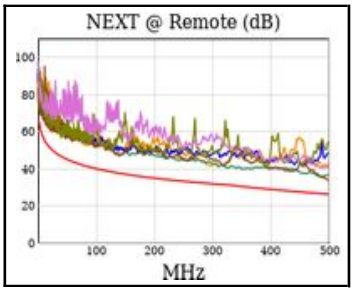


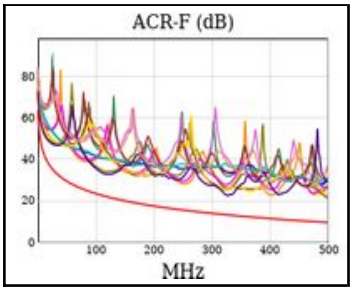
PASS

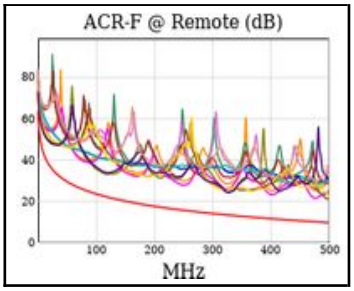


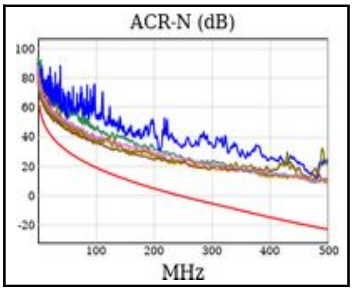


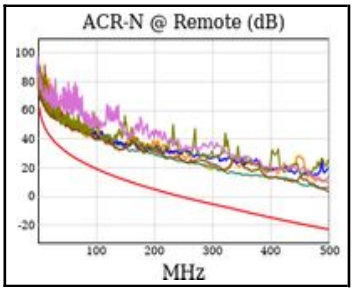


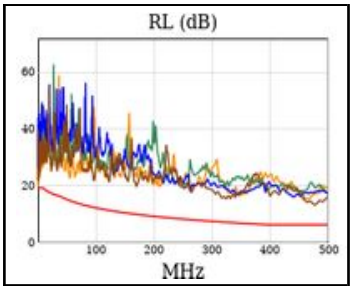


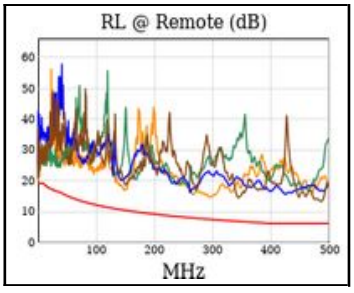












FLUKE networks

LinkWare Live

Cable ID: 132-B

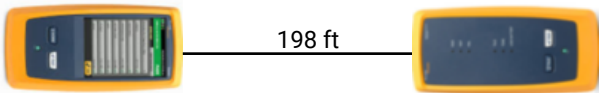
Test Summary: PASS

Date / Time: 12/19/2022 03:25:57 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

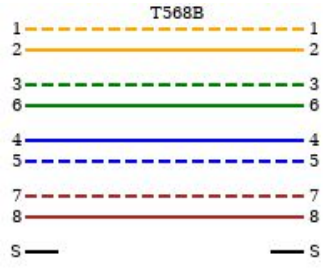
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

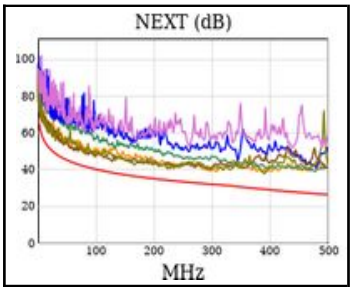
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	314
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	12.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

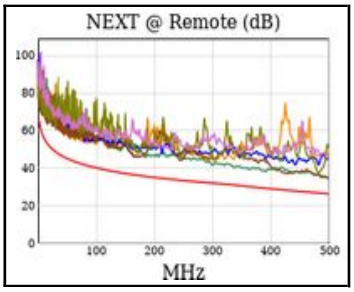


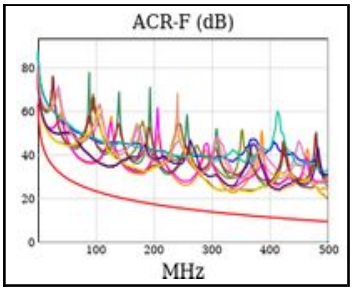
PASS

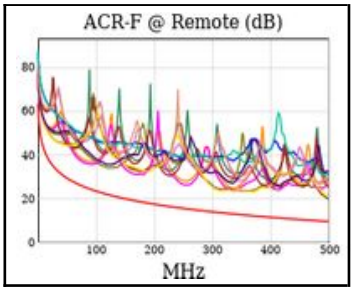


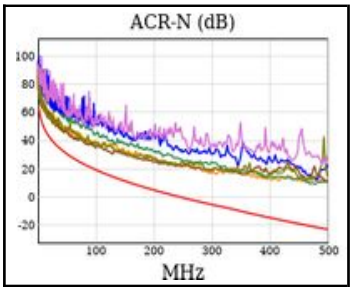


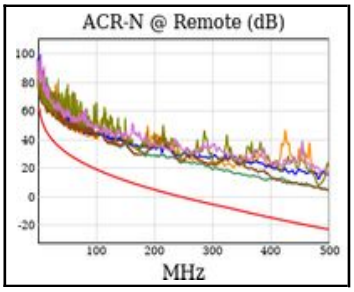


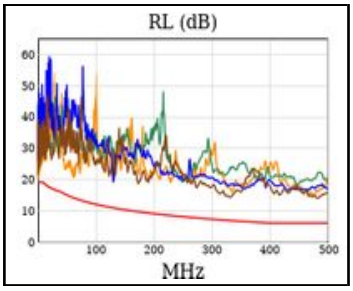


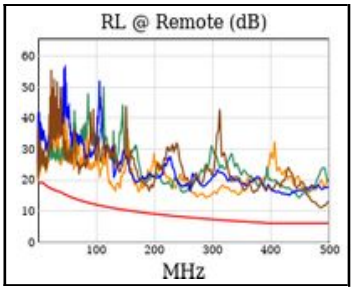












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	6.7	8.3	8.3
Freq. (MHz)	3.3	3.1	391.0	500.0
Limit (dB)	64.5	64.8	29.0	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.5	8.0	8.7	8.0
Freq. (MHz)	225.0	498.0	391.0	498.0
Limit (dB)	31.0	23.3	26.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.7	10.1	10.7	10.4
Freq. (MHz)	337.0	316.0	500.0	500.0
Limit (dB)	12.7	13.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	9.1	10.1	12.2	12.0
Freq. (MHz)	337.0	334.0	500.0	500.0
Limit (dB)	9.7	9.8	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	7.8	8.5	30.3	27.3
Freq. (MHz)	3.3	3.1	478.0	500.0
Limit (dB)	60.7	61.1	-21.5	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.5	10.1	29.6	27.0
Freq. (MHz)	3.3	3.3	464.0	498.0
Limit (dB)	58.2	58.2	-23.2	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	6.3	4.2	7.9	4.9
Freq. (MHz)	62.3	15.0	484.0	487.0
Limit (dB)	14.1	18.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-A

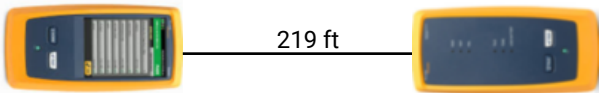
Test Summary: PASS

Date / Time: 12/19/2022 03:27:38 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

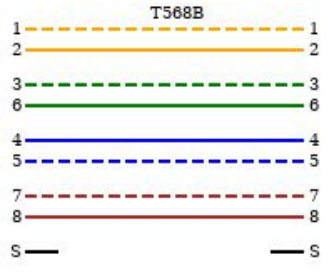
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	341
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	17.9
Insertion Loss Margin (dB)	[Pair 3,6]	19.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

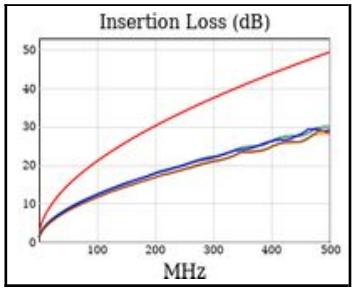


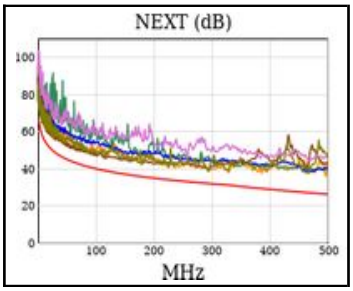
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.9	6.4	9.3	8.5
Freq. (MHz)	7.6	3.0	497.0	496.0
Limit (dB)	58.5	65.0	26.2	26.2
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.3	7.8	9.9	8.3
Freq. (MHz)	7.5	292.0	497.0	495.0
Limit (dB)	56.1	29.0	23.3	23.3

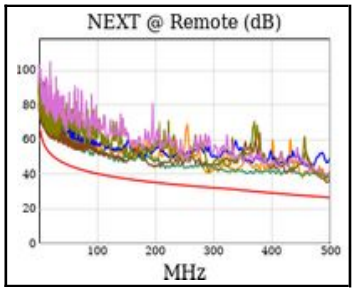
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.7	10.5	10.7
Freq. (MHz)	466.0	457.0	466.0	457.0
Limit (dB)	9.9	10.1	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.9	11.7	11.1
Freq. (MHz)	7.0	5.1	468.0	476.0
Limit (dB)	43.4	46.1	6.9	6.7

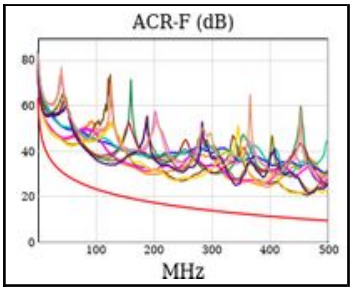
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.8	8.0	28.6	28.7
Freq. (MHz)	2.9	3.0	497.0	496.0
Limit (dB)	61.4	61.4	-23.0	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	9.2	30.3	27.4
Freq. (MHz)	7.6	3.0	497.0	495.0
Limit (dB)	50.3	58.4	-25.8	-25.7

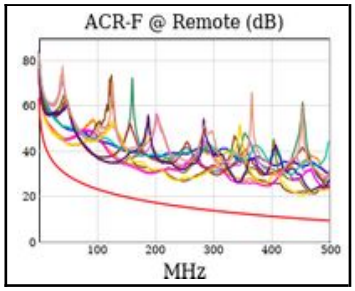
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	6.8	2.6	8.5	6.5
Freq. (MHz)	9.9	11.1	473.0	482.0
Limit (dB)	19.0	18.8	6.0	6.0

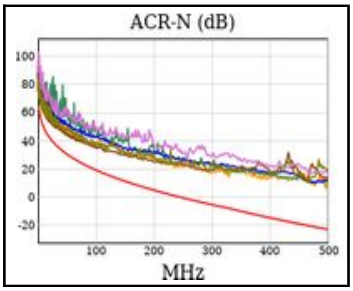


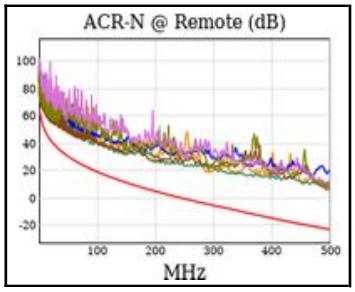


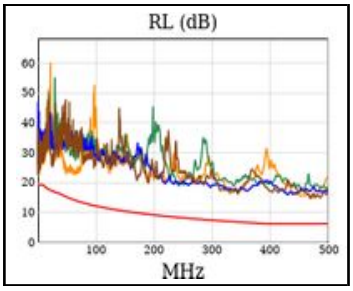


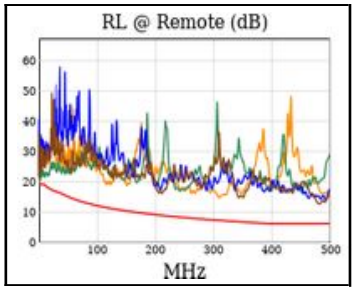












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-A

Test Summary: PASS

Date / Time: 12/04/2022 05:35:18 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	175
Prop. Delay (ns), Limit 555	[Pair 4,5]	276
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	8.3
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.9	7.5	8.2	7.5
Freq. (MHz)	153.5	499.0	462.0	499.0
Limit (dB)	36.8	26.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.3	8.7	8.6	9.8
Freq. (MHz)	161.5	25.9	462.0	499.0
Limit (dB)	33.5	47.1	24.1	23.3

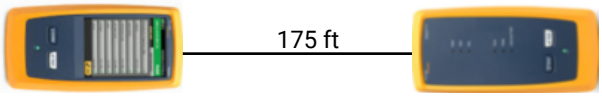
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.7	9.8	11.5	9.9
Freq. (MHz)	380.0	389.0	472.0	393.0
Limit (dB)	11.7	11.5	9.8	11.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.5	11.2	11.5	11.9
Freq. (MHz)	393.0	124.0	393.0	392.0
Limit (dB)	8.4	18.4	8.4	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.4	12.0	36.3	33.4
Freq. (MHz)	3.4	3.6	497.0	499.0
Limit (dB)	60.4	59.8	-23.0	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	11.3	33.9	35.7
Freq. (MHz)	3.6	3.6	462.0	499.0
Limit (dB)	57.3	57.3	-23.1	-26.0

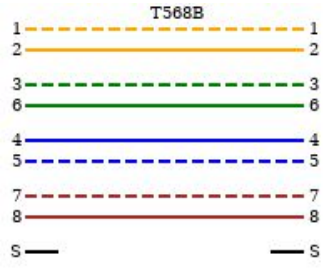
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	4,5
RL (dB)	6.9	7.9	8.1	8.7
Freq. (MHz)	24.0	13.0	478.0	485.0
Limit (dB)	17.1	18.4	6.0	6.0

Compliant Network Standards:

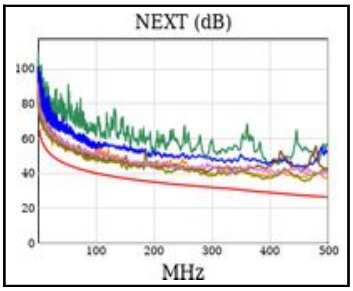
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

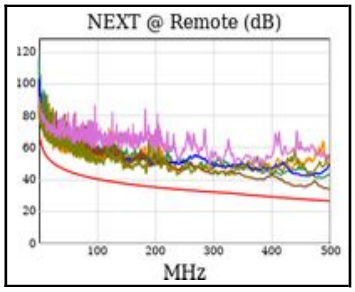


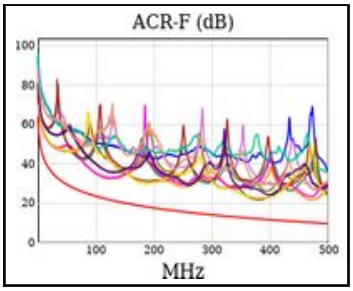
PASS

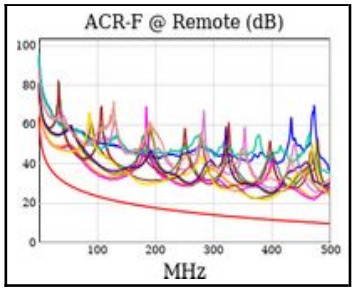


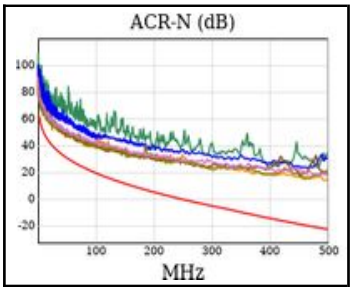


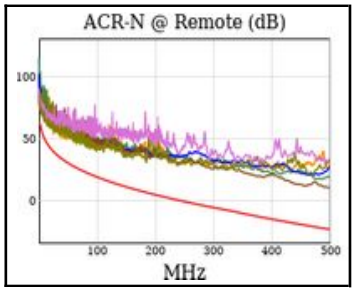


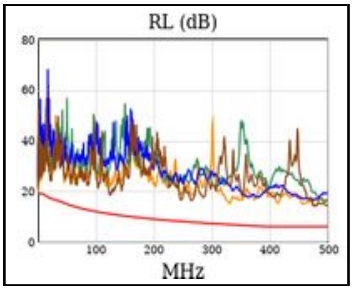


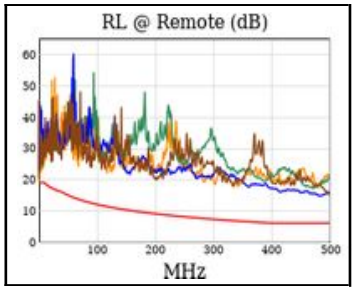












FLUKE networks

LinkWare Live

Cable ID: 132-B

Test Summary: PASS

Date / Time: 12/04/2022 05:35:46 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	175
Prop. Delay (ns), Limit 555	[Pair 4,5]	278
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 4,5]	25.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.8	9.2	7.0	9.8
Freq. (MHz)	43.8	4.0	397.0	500.0
Limit (dB)	46.0	63.0	28.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.6	7.9	6.9	11.4
Freq. (MHz)	71.5	3.8	401.0	500.0
Limit (dB)	39.6	61.0	25.8	23.2

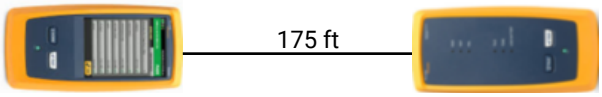
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.2	10.6	11.3	11.1
Freq. (MHz)	401.0	331.0	500.0	500.0
Limit (dB)	11.2	12.9	9.3	9.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	11.0	11.0	12.5	12.3
Freq. (MHz)	6.4	1.0	500.0	500.0
Limit (dB)	44.2	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	10.1	11.4	34.9	35.2
Freq. (MHz)	3.5	4.0	459.0	500.0
Limit (dB)	60.1	58.9	-19.9	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.8	10.1	34.3	36.8
Freq. (MHz)	3.6	3.8	459.0	500.0
Limit (dB)	57.3	57.0	-22.8	-26.1

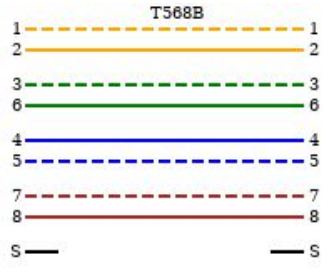
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.1	5.2	5.2	9.6
Freq. (MHz)	66.5	13.1	482.0	489.0
Limit (dB)	13.8	18.4	6.0	6.0

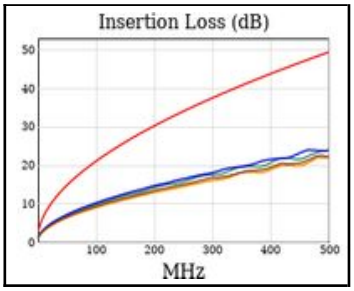
Compliant Network Standards:

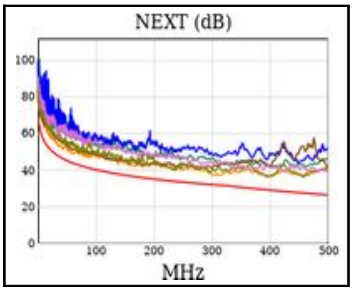
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

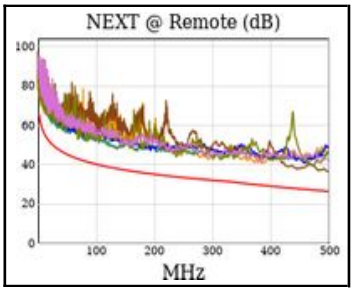


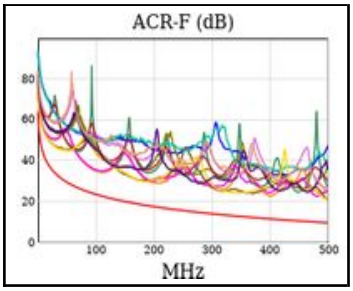
PASS

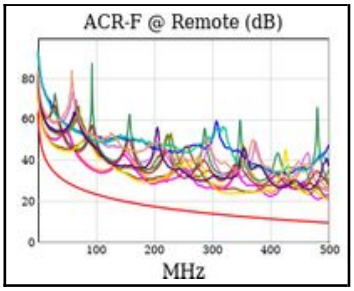


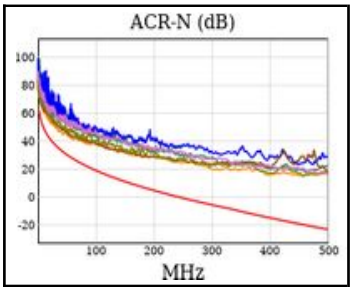


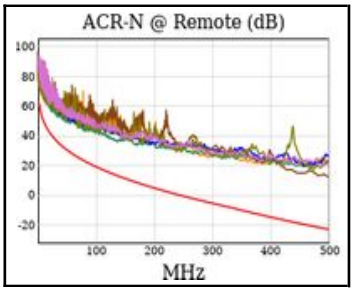


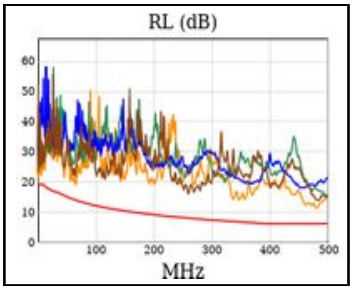


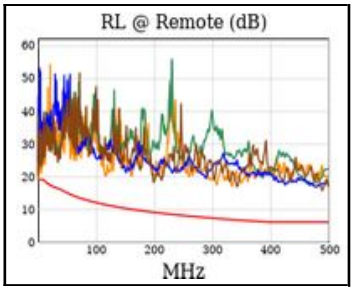












FLUKE networks

LinkWare Live

Cable ID: 132-A

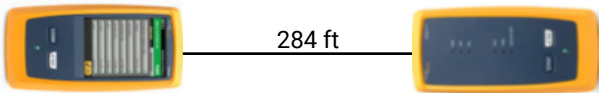
Test Summary: PASS

Date / Time: 12/11/2022 02:03:00 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

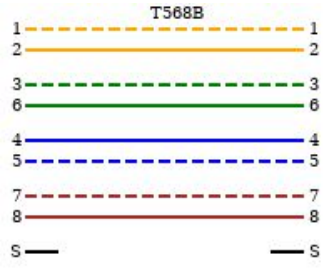
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

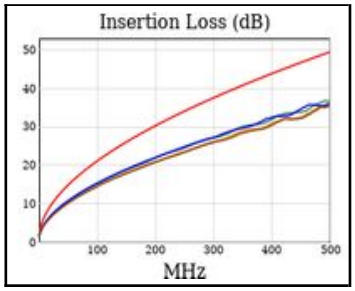
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	284
Prop. Delay (ns), Limit 555	[Pair 4,5]	440
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	13.8
Insertion Loss Margin (dB)	[Pair 3,6]	12.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

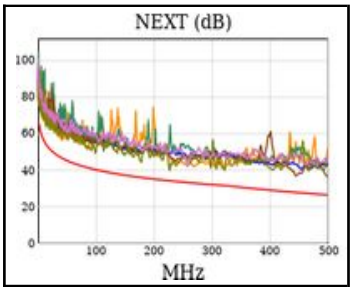


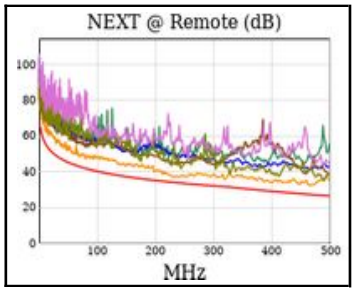
PASS



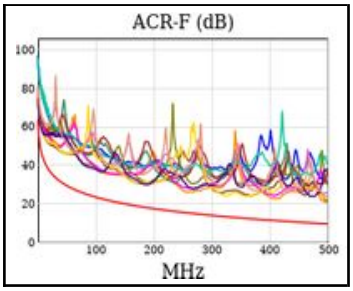


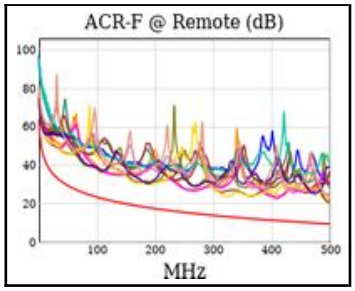
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.7	3.0	10.0	5.0
Freq. (MHz)	228.5	232.5	500.0	467.0
Limit (dB)	33.8	33.7	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.3	4.9	11.6	6.8
Freq. (MHz)	228.0	245.0	500.0	464.0
Limit (dB)	30.9	30.3	23.2	24.1



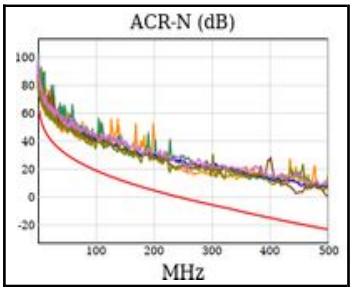


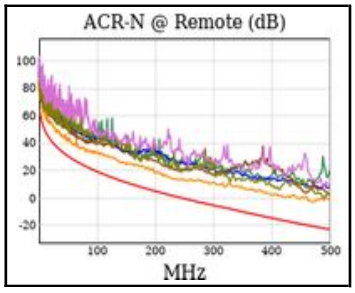
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	4,5-3,6
ACR-F (dB)	10.7	10.5	11.3	11.1
Freq. (MHz)	257.0	325.0	497.0	500.0
Limit (dB)	15.1	13.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.1	12.0	13.1
Freq. (MHz)	1.4	2.5	497.0	500.0
Limit (dB)	57.5	52.3	6.3	6.3



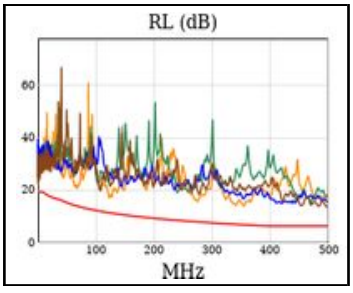


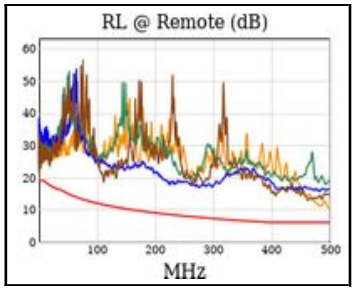
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.3	8.9	23.5	17.8
Freq. (MHz)	3.4	7.1	500.0	473.0
Limit (dB)	60.4	53.5	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	9.7	24.4	20.1
Freq. (MHz)	3.4	3.4	496.0	491.0
Limit (dB)	57.9	57.9	-25.8	-25.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.7	4.4	7.5	4.4
Freq. (MHz)	124.0	499.0	500.0	499.0
Limit (dB)	11.1	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-B

Test Summary: PASS

Date / Time: 12/11/2022 02:04:38 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	284
Prop. Delay (ns), Limit 555	[Pair 4,5]	440
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	19.5
Insertion Loss Margin (dB)	[Pair 3,6]	12.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	7.0	3.9	7.8	5.7
Freq. (MHz)	3.4	232.0	398.0	490.0
Limit (dB)	64.2	33.7	28.8	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	5.2	10.1	7.2
Freq. (MHz)	3.4	231.0	465.0	490.0
Limit (dB)	61.7	30.8	24.1	23.5

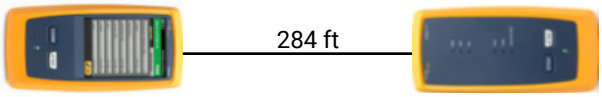
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.9	11.7	12.5	12.4
Freq. (MHz)	406.0	371.0	500.0	500.0
Limit (dB)	11.1	11.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.5	12.1	14.8
Freq. (MHz)	1.4	1.3	500.0	500.0
Limit (dB)	57.5	58.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	8.0	9.6	23.9	17.6
Freq. (MHz)	3.4	2.5	500.0	490.0
Limit (dB)	60.4	61.7	-23.2	-22.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.8	9.0	25.3	19.2
Freq. (MHz)	3.4	3.5	500.0	490.0
Limit (dB)	57.9	57.6	-26.1	-25.3

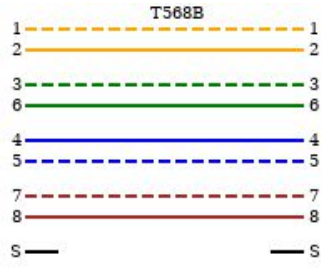
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.2	2.2	7.1	5.0
Freq. (MHz)	6.4	4.0	484.0	492.0
Limit (dB)	19.0	19.0	6.0	6.0

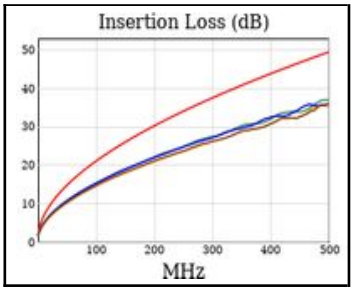
Compliant Network Standards:

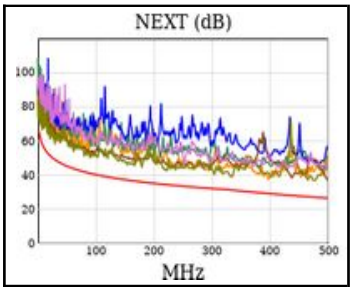
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

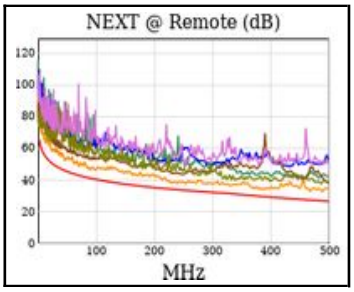


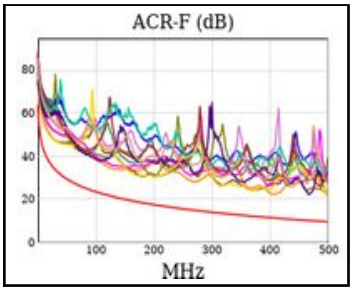
PASS

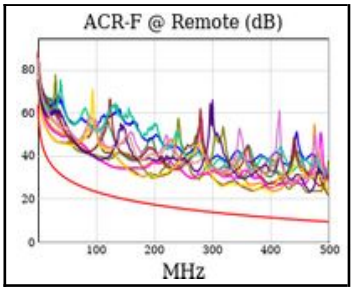


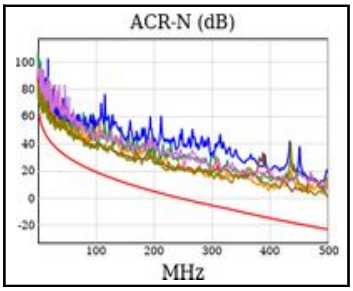


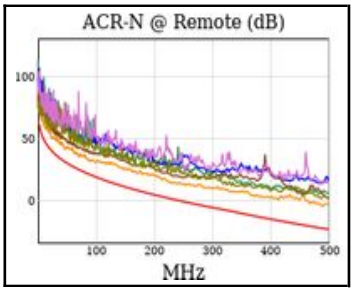


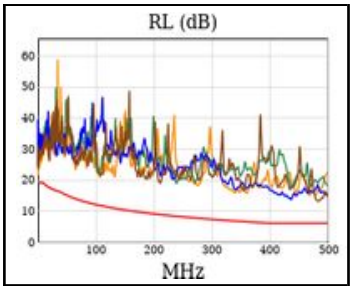


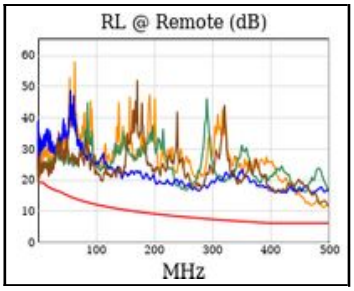












FLUKE networks

LinkWare Live

Cable ID: 132-A

Test Summary: PASS

Date / Time: 12/03/2022 06:22:34 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	206
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	30.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	3.9	4.4	7.8	4.4
Freq. (MHz)	96.3	500.0	500.0	500.0
Limit (dB)	40.2	26.1	26.1	26.1
Worst Pair	1,2	4,5	3,6	4,5
PS NEXT (dB)	6.5	6.4	8.4	6.4
Freq. (MHz)	96.3	500.0	500.0	500.0
Limit (dB)	37.4	23.2	23.2	23.2

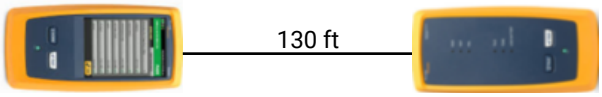
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.9	10.8	10.0
Freq. (MHz)	229.0	435.0	467.0	438.0
Limit (dB)	16.1	10.5	9.9	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	11.1	11.2
Freq. (MHz)	398.0	403.0	398.0	404.0
Limit (dB)	8.3	8.2	8.3	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.3	8.0	39.5	36.1
Freq. (MHz)	2.9	2.8	500.0	500.0
Limit (dB)	61.4	61.5	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	10.4	39.1	37.5
Freq. (MHz)	5.4	3.0	500.0	500.0
Limit (dB)	53.7	58.4	-26.1	-26.1

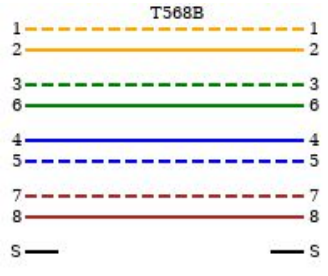
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	5.8	1.7	5.8	6.7
Freq. (MHz)	492.0	14.1	492.0	492.0
Limit (dB)	6.0	18.3	6.0	6.0

Compliant Network Standards:

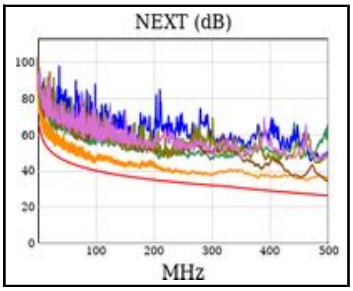
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

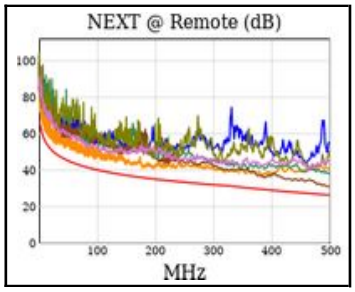


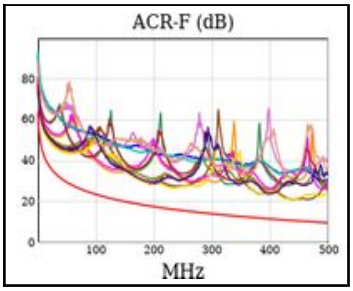
PASS

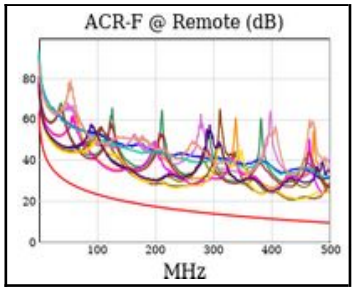


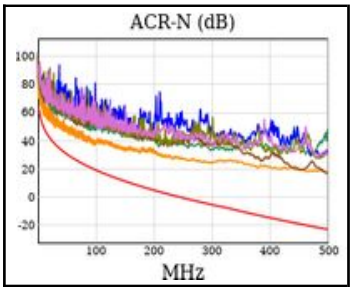


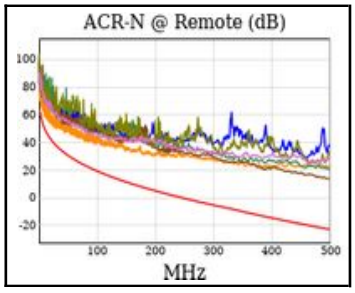


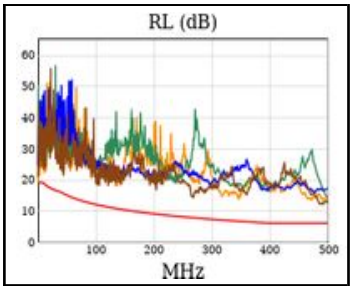


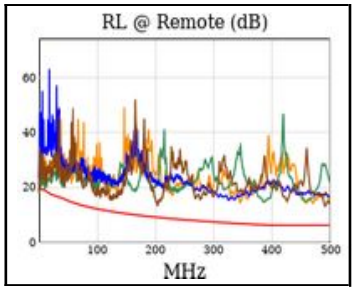












FLUKE networks

LinkWare Live

Cable ID: 132-B

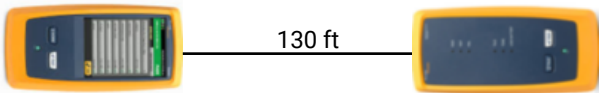
Test Summary: PASS

Date / Time: 12/03/2022 06:22:07 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

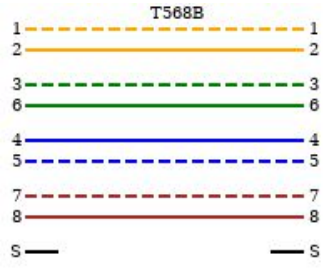
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

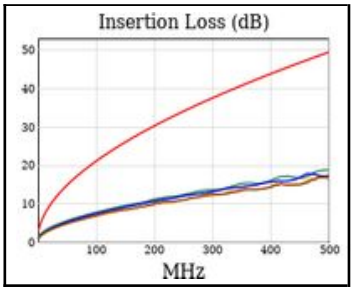
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

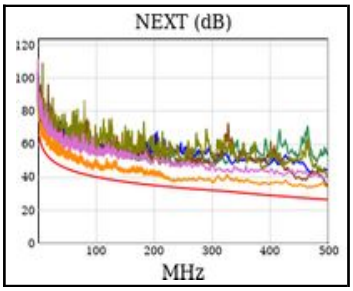
Length (ft), Limit 328	[Pair 1,2]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	205
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	17.1
Insertion Loss Margin (dB)	[Pair 3,6]	30.3
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

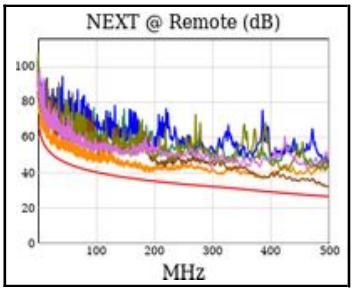


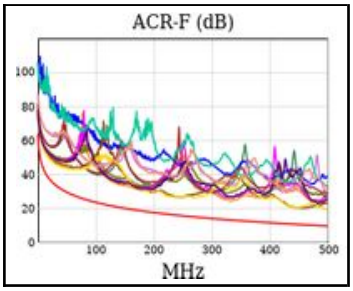
PASS

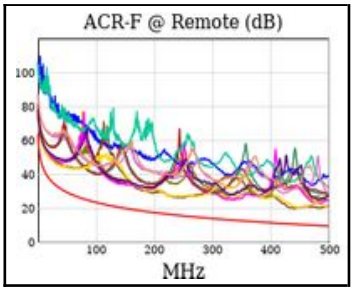


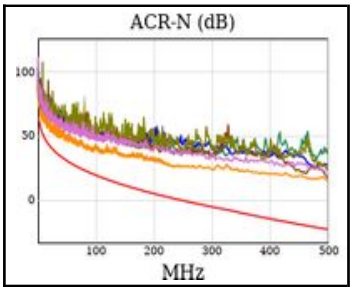


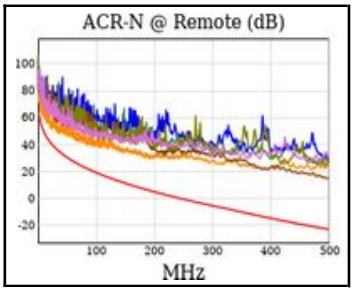


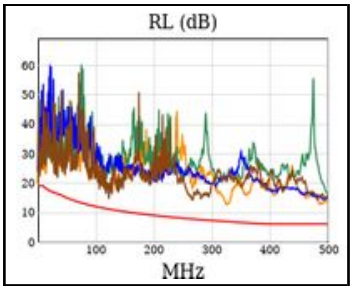


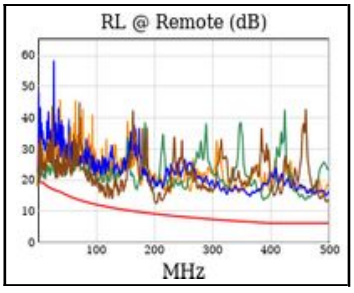












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.4	4.5	6.0	5.4
Freq. (MHz)	234.0	192.5	465.0	500.0
Limit (dB)	33.6	35.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	7.0	7.3	7.8
Freq. (MHz)	234.0	5.4	500.0	500.0
Limit (dB)	30.7	58.4	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.3	9.7	9.4
Freq. (MHz)	456.0	441.0	499.0	442.0
Limit (dB)	10.1	10.4	9.3	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.8	10.4	10.8
Freq. (MHz)	488.0	483.0	488.0	483.0
Limit (dB)	6.5	6.6	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	7.7	38.1	37.4
Freq. (MHz)	5.3	5.4	500.0	500.0
Limit (dB)	56.4	56.2	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	9.7	37.9	38.4
Freq. (MHz)	5.3	5.4	500.0	500.0
Limit (dB)	53.9	53.7	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	7,8
RL (dB)	3.4	1.9	5.4	3.3
Freq. (MHz)	123.0	13.5	326.0	203.5
Limit (dB)	11.1	18.3	6.9	8.9

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-A

Test Summary: PASS

Date / Time: 12/17/2022 05:53:11 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	188
Prop. Delay (ns), Limit 555	[Pair 4,5]	292
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	12.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	3.7	7.5	3.7	8.8
Freq. (MHz)	294.0	334.0	294.0	496.0
Limit (dB)	31.9	30.9	31.9	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.9	8.0	3.9	10.8
Freq. (MHz)	294.0	3.6	294.0	497.0
Limit (dB)	28.9	61.2	28.9	23.3

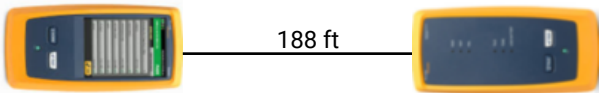
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.3	11.3	11.8	12.6
Freq. (MHz)	263.0	260.0	500.0	500.0
Limit (dB)	14.9	15.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	12.4	13.9	13.5
Freq. (MHz)	263.0	271.0	500.0	500.0
Limit (dB)	11.9	11.6	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	8.8	10.8	34.3	33.9
Freq. (MHz)	3.4	3.4	491.0	496.0
Limit (dB)	60.4	60.4	-22.5	-22.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.0	9.9	35.5	34.9
Freq. (MHz)	5.1	3.6	500.0	497.0
Limit (dB)	54.1	57.3	-26.1	-25.8

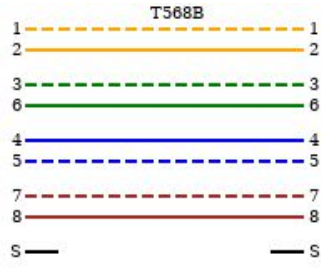
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.0	3.6	7.0	6.0
Freq. (MHz)	64.3	9.8	409.0	495.0
Limit (dB)	13.9	19.0	6.0	6.0

Compliant Network Standards:

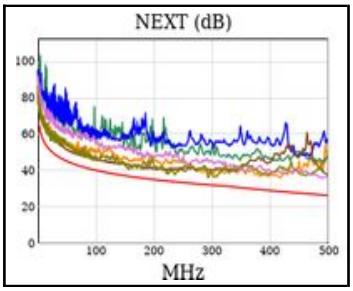
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

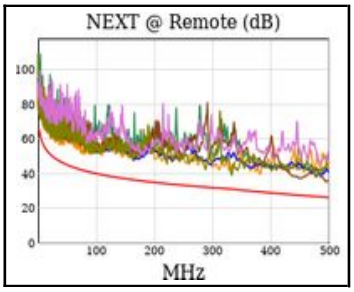


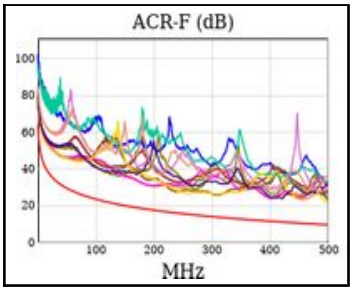
PASS

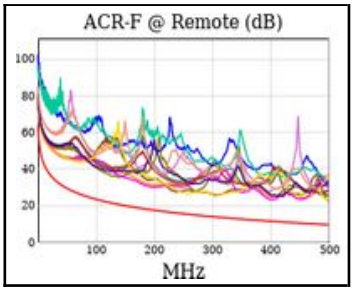


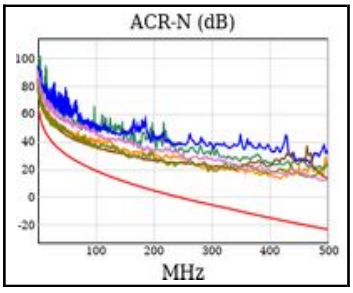


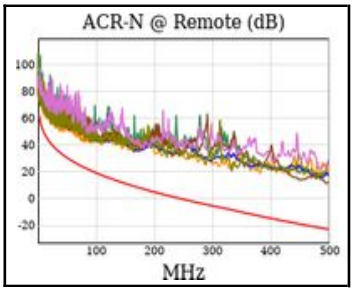


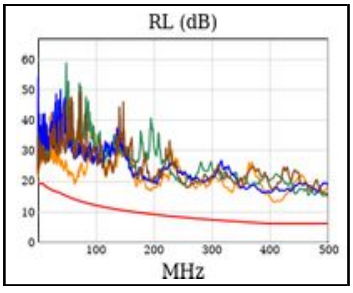


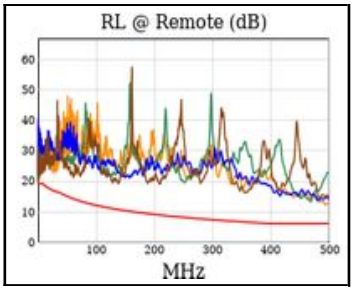












FLUKE networks

LinkWare Live

Cable ID: 132-B

Test Summary: PASS

Date / Time: 12/17/2022 05:53:37 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	188
Prop. Delay (ns), Limit 555	[Pair 4,5]	292
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	12.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-7,8	3,6-7,8	1,2-7,8
NEXT (dB)	2.7	6.7	4.8	8.3
Freq. (MHz)	228.0	149.0	393.0	469.0
Limit (dB)	33.8	37.0	28.9	26.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	3.6	7.9	5.5	9.1
Freq. (MHz)	91.8	3.4	408.0	466.0
Limit (dB)	37.7	61.7	25.6	24.0

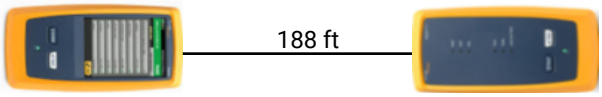
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	4,5-3,6	4,5-3,6
ACR-F (dB)	9.5	9.6	11.8	12.2
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	51.2	51.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.3	11.1	11.1
Freq. (MHz)	7.6	7.6	406.0	407.0
Limit (dB)	42.6	42.6	8.1	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-7,8
ACR-N (dB)	8.2	10.3	33.6	33.8
Freq. (MHz)	3.4	3.4	496.0	476.0
Limit (dB)	60.4	60.4	-22.9	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.0	9.8	34.2	35.7
Freq. (MHz)	3.4	3.4	496.0	495.0
Limit (dB)	57.9	57.9	-25.8	-25.7

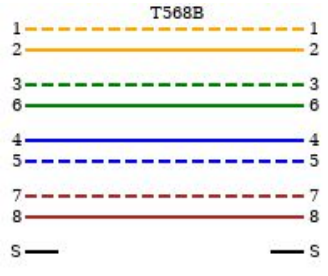
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	5.7	4.5	7.1	4.8
Freq. (MHz)	46.3	11.6	416.0	463.0
Limit (dB)	15.3	18.7	6.0	6.0

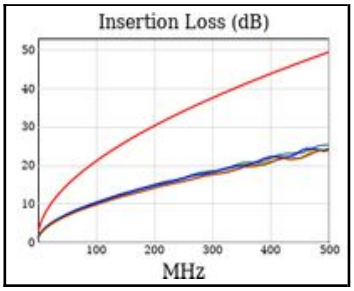
Compliant Network Standards:

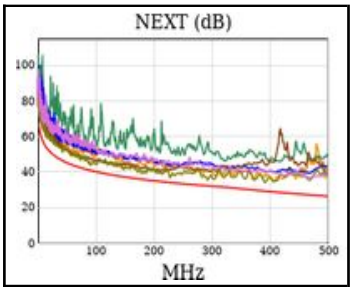
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

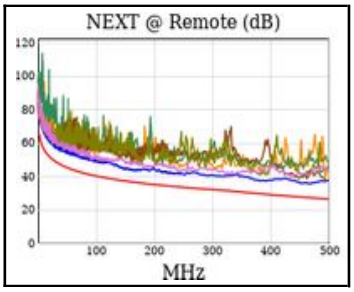


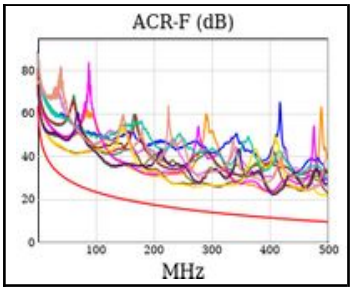
PASS

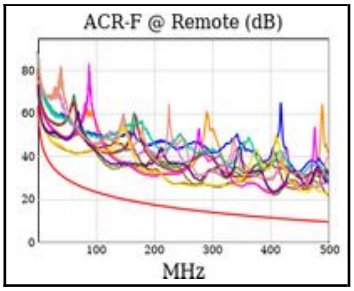


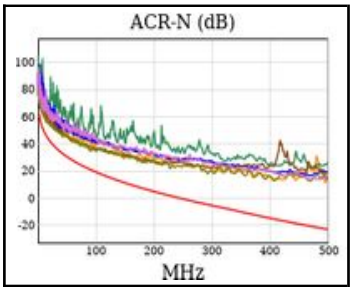


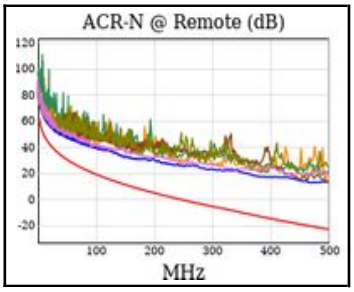


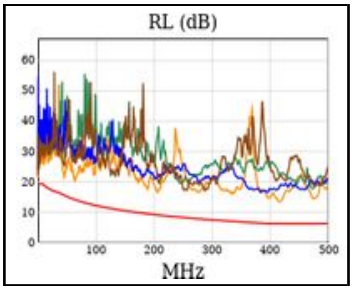


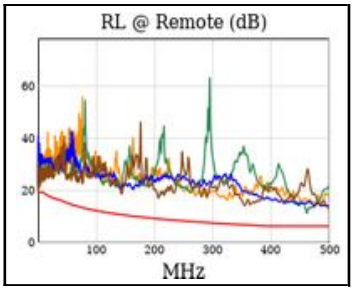












FLUKE networks

LinkWare Live

Cable ID: 132-5-A

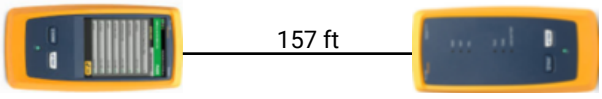
Test Summary: PASS

Date / Time: 12/03/2022 01:00:53 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

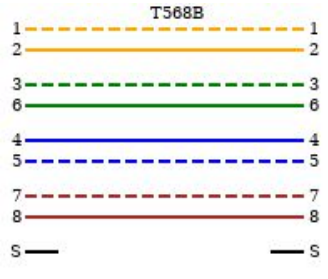
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

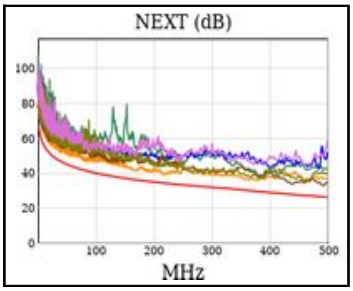
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 3,6]	244
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

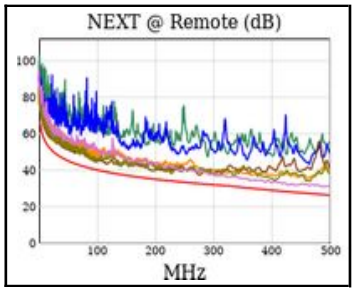


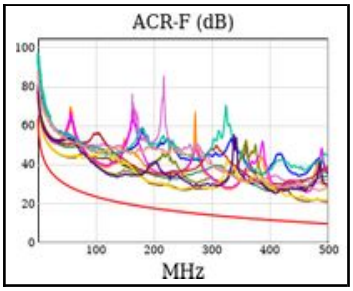
PASS

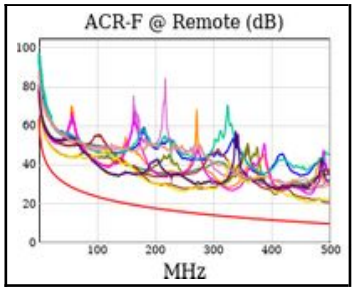


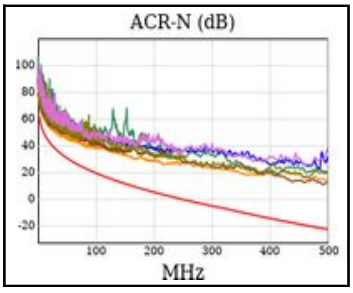


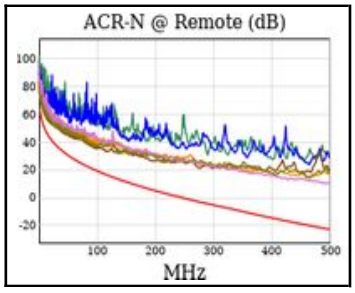


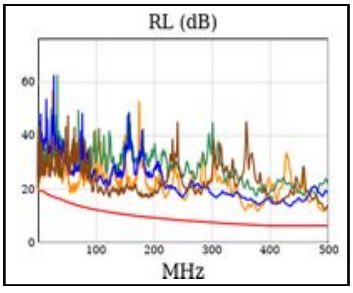


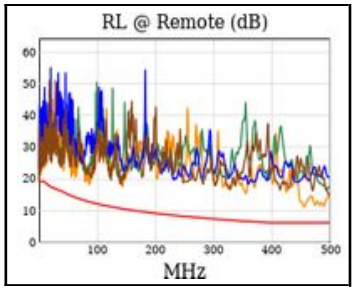












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	4.5	3.7	6.3	4.3
Freq. (MHz)	40.0	429.0	493.0	489.0
Limit (dB)	46.6	27.9	26.3	26.4
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.7	3.6	6.0	5.0
Freq. (MHz)	381.0	98.3	460.0	466.0
Limit (dB)	26.4	37.2	24.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.8	10.6	11.2	10.9
Freq. (MHz)	461.0	463.0	499.0	499.0
Limit (dB)	10.0	9.9	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	12.2	12.2	12.5	12.3
Freq. (MHz)	9.6	9.1	463.0	469.0
Limit (dB)	40.6	41.1	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	8.6	8.6	33.0	32.8
Freq. (MHz)	3.0	3.6	493.0	496.0
Limit (dB)	61.4	59.8	-22.7	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.6	8.1	33.4	34.1
Freq. (MHz)	3.0	5.9	493.0	497.0
Limit (dB)	58.4	52.8	-25.5	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.5	4.9	5.2	4.9
Freq. (MHz)	56.3	456.0	380.0	456.0
Limit (dB)	14.5	6.0	6.2	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-5-B

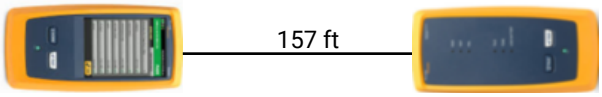
Test Summary: PASS

Date / Time: 12/03/2022 01:01:28 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

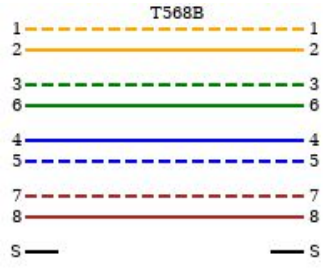
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

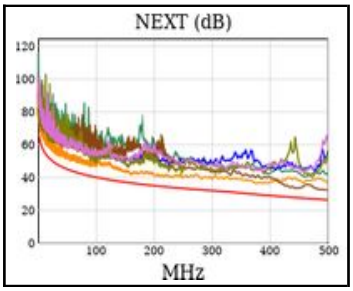
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 3,6]	243
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	26.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

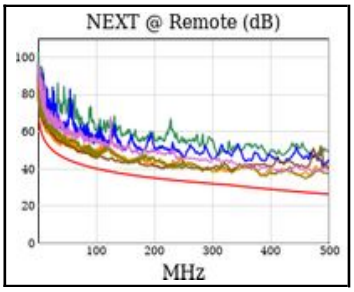


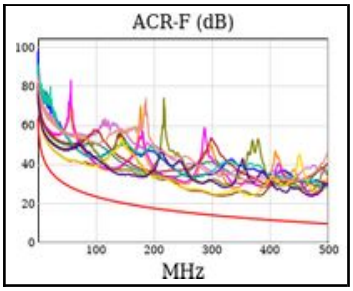
PASS

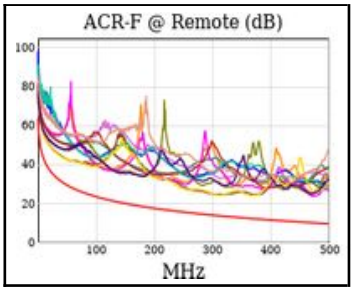


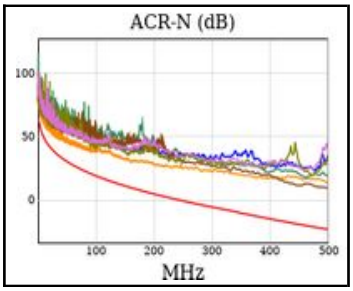


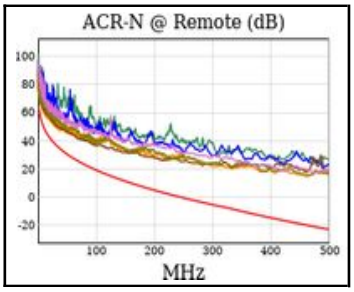


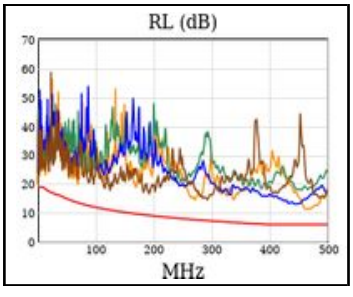


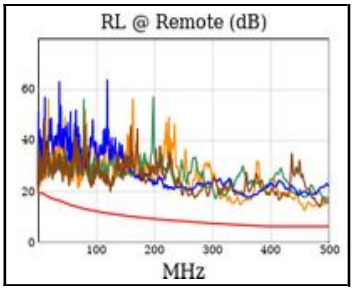












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.0	5.3	6.0	7.5
Freq. (MHz)	159.5	35.8	499.0	460.0
Limit (dB)	36.5	47.4	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	4.5	7.6	8.0
Freq. (MHz)	4.3	98.5	500.0	464.0
Limit (dB)	60.1	37.2	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	10.3	10.5	10.3	13.6
Freq. (MHz)	317.0	313.0	317.0	473.0
Limit (dB)	13.2	13.3	13.2	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.9	13.1	13.7
Freq. (MHz)	2.5	1.0	474.0	473.0
Limit (dB)	52.3	60.3	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	8.1	8.0	32.6	35.1
Freq. (MHz)	4.5	4.5	499.0	464.0
Limit (dB)	57.8	57.8	-23.1	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	7.4	33.7	36.6
Freq. (MHz)	4.3	4.3	500.0	500.0
Limit (dB)	55.8	55.8	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.2	6.2	5.2	6.3
Freq. (MHz)	462.0	14.1	462.0	459.0
Limit (dB)	6.0	18.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-6-A

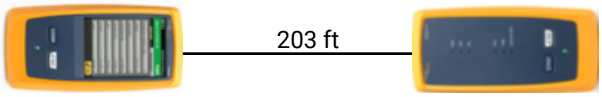
Test Summary: PASS

Date / Time: 12/03/2022 12:12:59 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

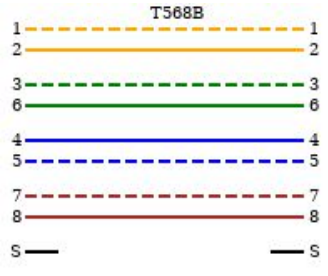
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

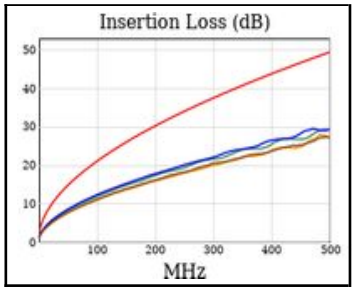
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

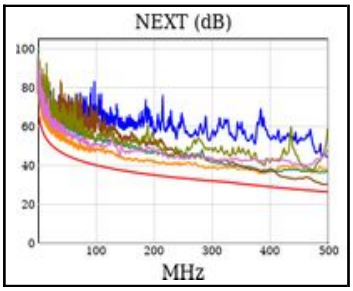
Length (ft), Limit 328	[Pair 1,2]	203
Prop. Delay (ns), Limit 555	[Pair 3,6]	315
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 4,5]	18.5
Frequency (MHz)	[Pair 4,5]	474.0
Limit (dB)	[Pair 4,5]	47.9

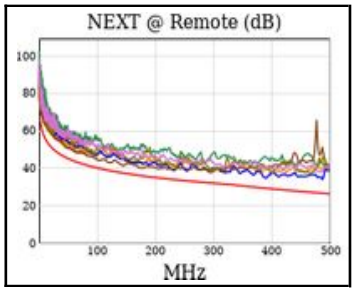


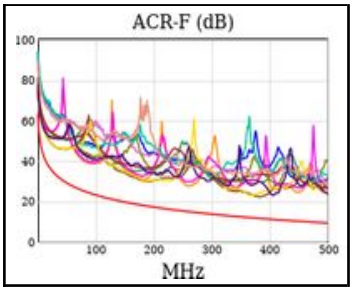
PASS

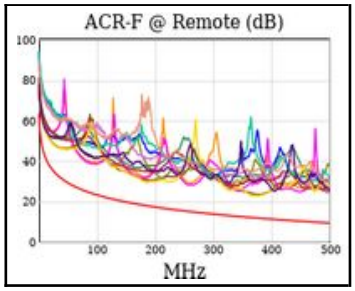


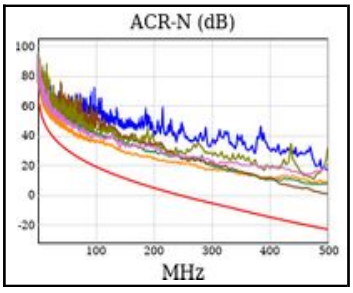


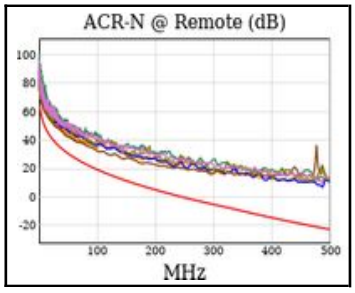


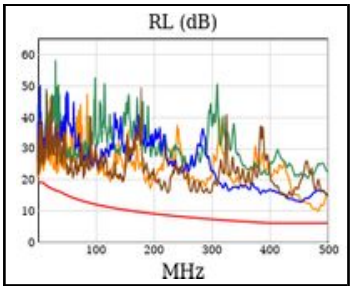


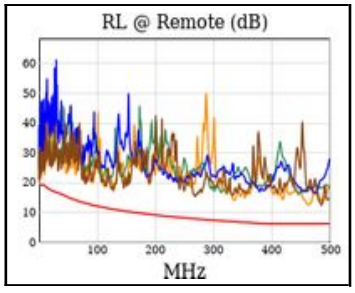












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-7,8
NEXT (dB)	3.7	3.7	3.9	7.2
Freq. (MHz)	493.0	145.5	500.0	488.0
Limit (dB)	26.3	37.2	26.1	26.4
Worst Pair	4,5	3,6	4,5	7,8
PS NEXT (dB)	5.6	3.9	5.6	8.5
Freq. (MHz)	496.0	99.0	496.0	488.0
Limit (dB)	23.3	37.2	23.3	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.6	10.8	10.7
Freq. (MHz)	384.0	367.0	385.0	371.0
Limit (dB)	11.6	12.0	11.5	11.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.5	11.5	13.9	15.1
Freq. (MHz)	5.3	2.1	500.0	500.0
Limit (dB)	45.9	53.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-7,8
ACR-N (dB)	8.2	7.3	24.0	28.7
Freq. (MHz)	3.4	3.1	500.0	488.0
Limit (dB)	60.4	61.1	-23.2	-22.3
Worst Pair	3,6	3,6	4,5	1,2
PS ACR-N (dB)	8.0	6.9	25.6	29.5
Freq. (MHz)	3.4	3.3	496.0	488.0
Limit (dB)	57.9	58.2	-25.8	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.7	3.6	3.7	6.2
Freq. (MHz)	484.0	10.6	484.0	487.0
Limit (dB)	6.0	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-6-B

Test Summary: PASS

Date / Time: 12/03/2022 12:10:00 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	203
Prop. Delay (ns), Limit 555	[Pair 3,6]	314
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.6	4.7	4.6	7.2
Freq. (MHz)	500.0	209.0	500.0	390.0
Limit (dB)	26.1	34.5	26.1	29.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	4.4	6.3	6.3
Freq. (MHz)	500.0	174.0	500.0	398.0
Limit (dB)	23.2	32.9	23.2	25.8

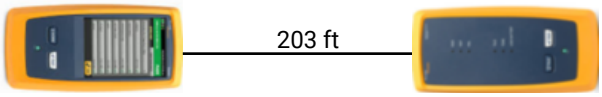
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.2	10.6	10.2
Freq. (MHz)	250.0	462.0	456.0	462.0
Limit (dB)	15.3	10.0	10.1	10.0
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	10.9	11.1	10.9	11.5
Freq. (MHz)	468.0	462.0	468.0	483.0
Limit (dB)	6.9	7.0	6.9	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.2	8.2	25.0	30.4
Freq. (MHz)	5.0	5.0	500.0	466.0
Limit (dB)	56.9	56.9	-23.2	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	7.6	26.6	29.4
Freq. (MHz)	3.4	3.3	500.0	466.0
Limit (dB)	57.9	58.2	-26.1	-23.4

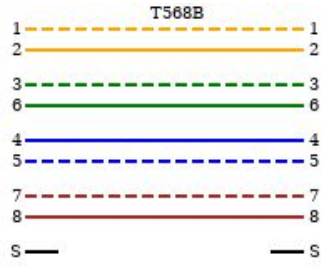
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.9	3.6	4.9	5.0
Freq. (MHz)	488.0	116.0	488.0	493.0
Limit (dB)	6.0	11.4	6.0	6.0

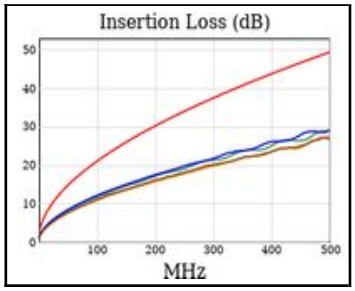
Compliant Network Standards:

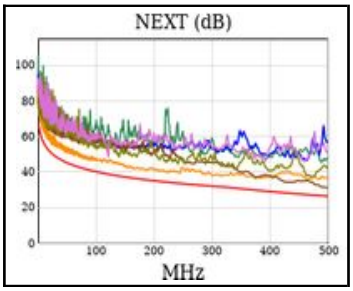
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

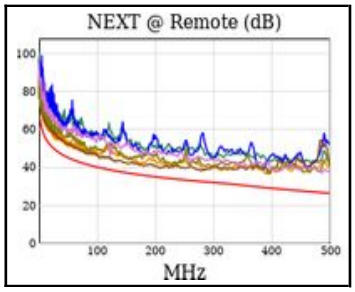


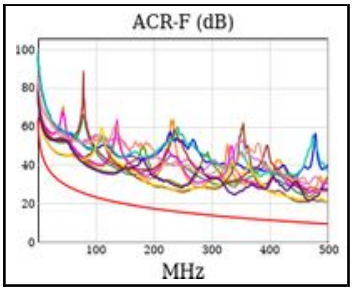
PASS

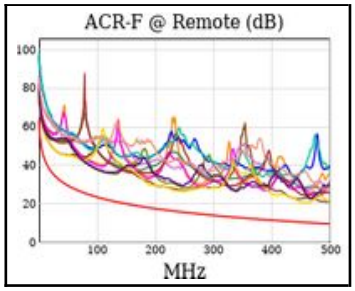


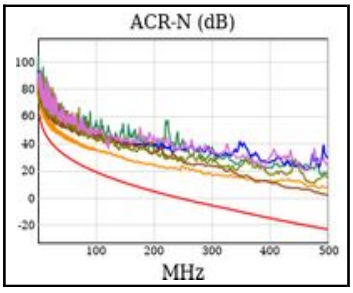


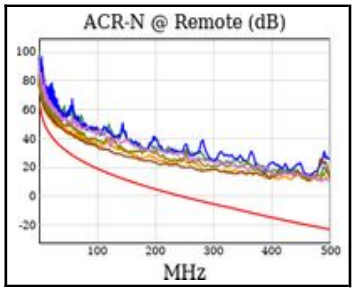


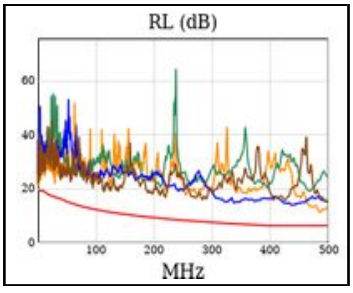


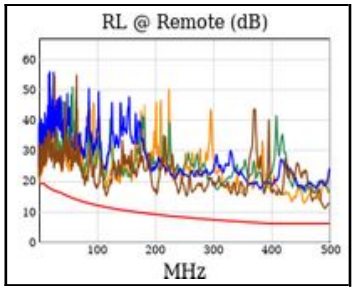












FLUKE networks

LinkWare Live

Cable ID: 132-A

Test Summary: PASS

Date / Time: 12/10/2022 02:23:11 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	27.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.5	5.0	5.5	5.0
Freq. (MHz)	499.0	462.0	499.0	462.0
Limit (dB)	26.1	27.0	26.1	27.0
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	7.8	5.5	7.8	6.3
Freq. (MHz)	89.0	166.0	499.0	462.0
Limit (dB)	38.0	33.3	23.3	24.1

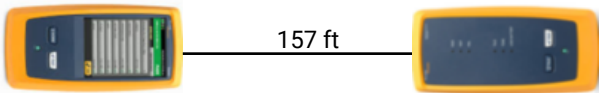
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.1	11.6	11.9
Freq. (MHz)	5.3	375.0	500.0	500.0
Limit (dB)	48.9	11.8	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.2	12.8	12.2
Freq. (MHz)	5.1	5.1	500.0	500.0
Limit (dB)	46.1	46.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	11.6	10.0	33.6	34.2
Freq. (MHz)	4.5	3.8	500.0	467.0
Limit (dB)	57.8	59.5	-23.2	-20.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	10.5	35.7	33.8
Freq. (MHz)	4.3	4.1	499.0	467.0
Limit (dB)	55.8	56.1	-26.0	-23.5

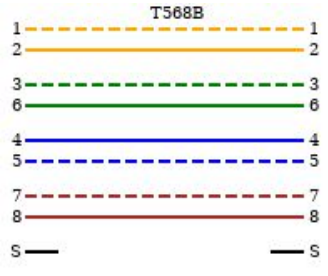
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	5.7	0.9	7.6	4.1
Freq. (MHz)	16.0	80.0	466.0	422.0
Limit (dB)	18.0	13.0	6.0	6.0

Compliant Network Standards:

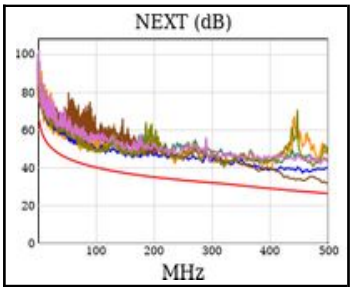
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

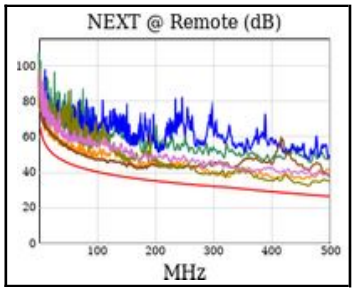


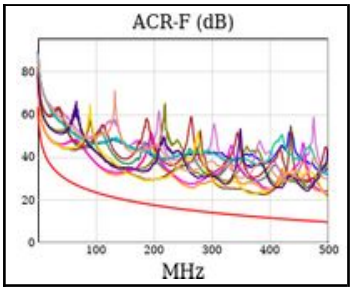
PASS

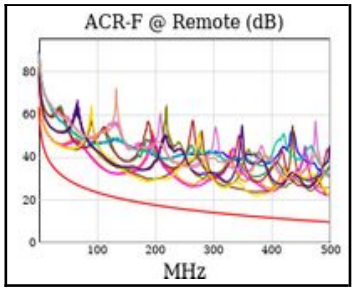


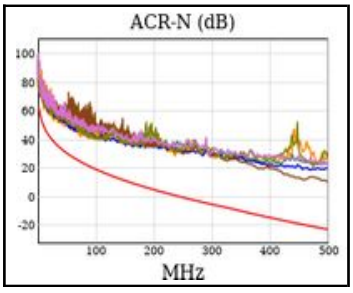


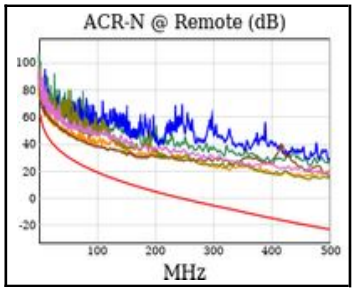


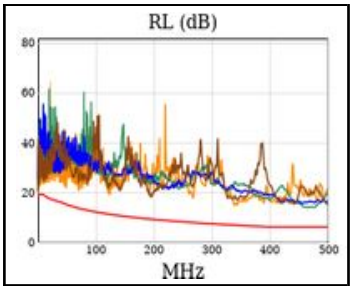


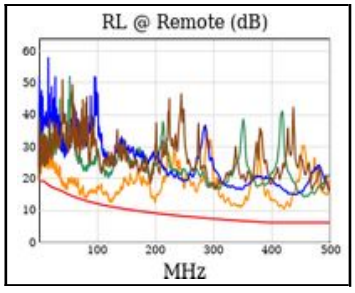












FLUKE networks

LinkWare Live

Cable ID: 132-B

Test Summary: PASS

Date / Time: 12/10/2022 02:24:08 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	250
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.8	4.9	7.8	7.7
Freq. (MHz)	498.0	307.0	498.0	457.0
Limit (dB)	26.1	31.6	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	9.2	4.7	10.2	7.0
Freq. (MHz)	4.3	162.0	498.0	457.0
Limit (dB)	60.1	33.4	23.3	24.3

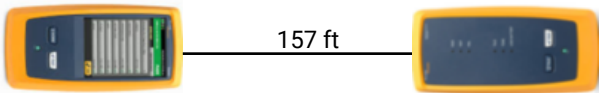
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.0	10.6	10.6
Freq. (MHz)	397.0	384.0	411.0	412.0
Limit (dB)	11.3	11.6	11.0	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	10.7	11.3	10.7
Freq. (MHz)	424.0	412.0	424.0	412.0
Limit (dB)	7.7	8.0	7.7	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	12.9	11.7	35.9	35.2
Freq. (MHz)	4.3	4.3	498.0	457.0
Limit (dB)	58.3	58.3	-23.1	-19.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.6	9.8	38.1	34.3
Freq. (MHz)	4.0	4.0	498.0	457.0
Limit (dB)	56.4	56.4	-25.9	-22.7

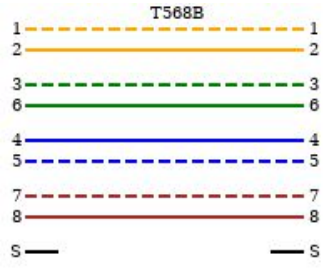
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.2	1.2	5.6	4.0
Freq. (MHz)	20.4	47.8	427.0	340.0
Limit (dB)	17.5	15.2	6.0	6.7

Compliant Network Standards:

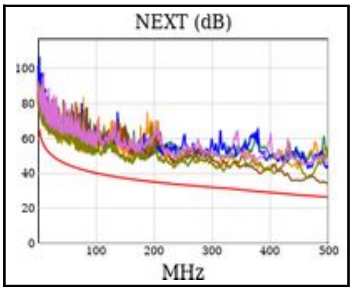
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

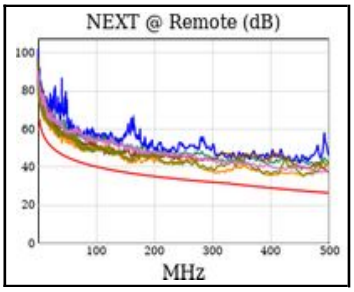


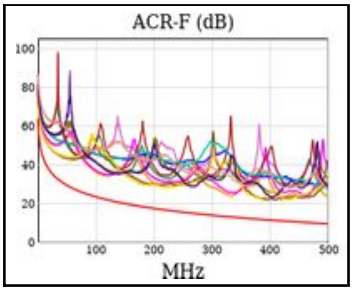
PASS

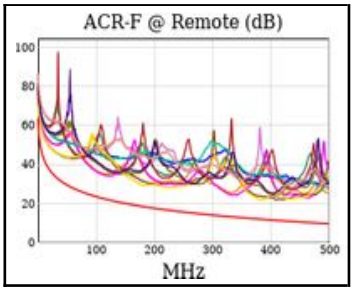


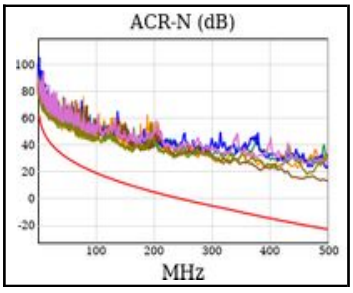


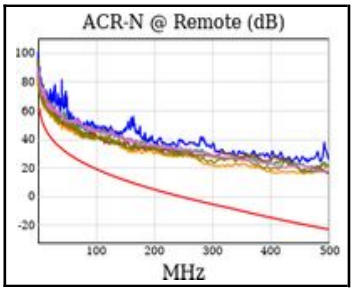


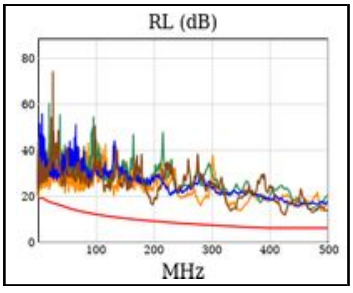


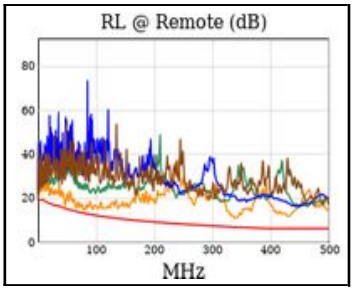












FLUKE networks

LinkWare Live

Cable ID: 133-A

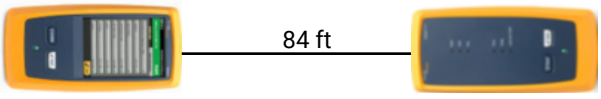
Test Summary: PASS

Date / Time: 11/22/2022 03:16:50 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

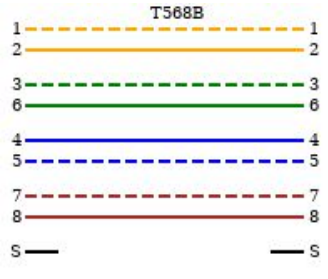
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

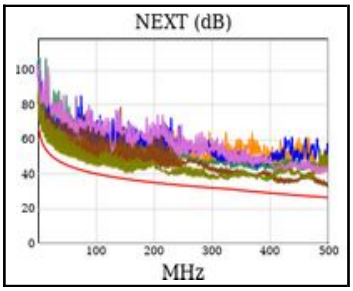
Length (ft), Limit 328	[Pair 1,2]	84
Prop. Delay (ns), Limit 555	[Pair 3,6]	130
Delay Skew (ns), Limit 50	[Pair 3,6]	5
Resistance (ohms)	[Pair 3,6]	4.8
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

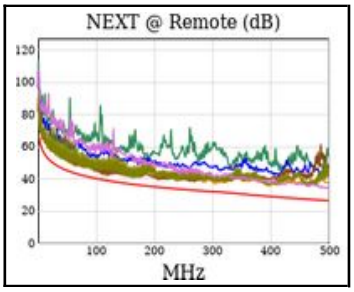


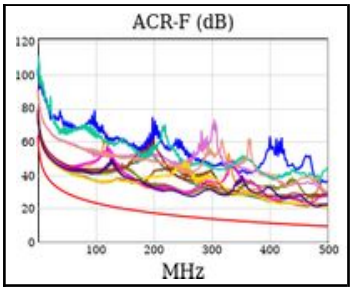
PASS

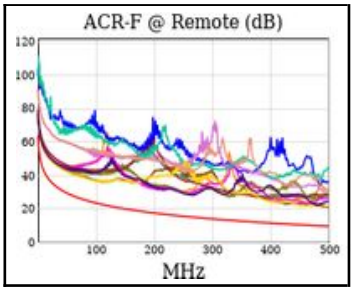


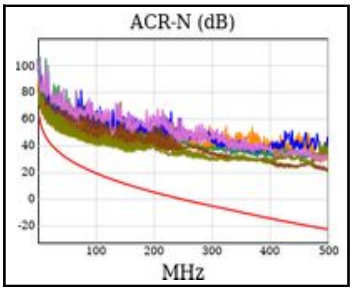


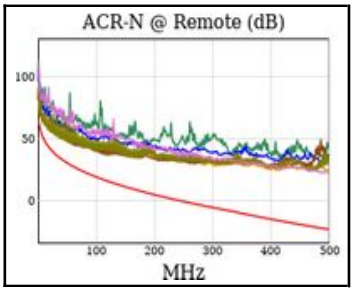


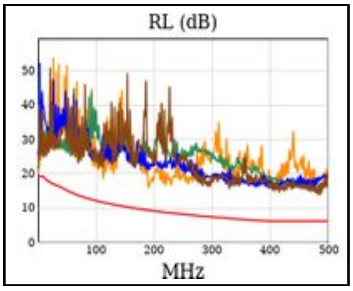


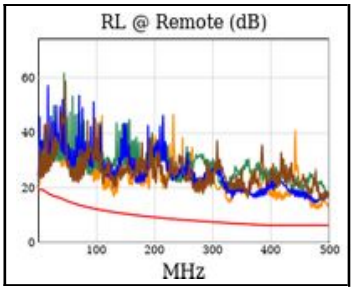












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	3.7	2.9	6.0	7.6
Freq. (MHz)	151.0	119.5	500.0	500.0
Limit (dB)	36.9	38.6	26.1	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.2	3.1	8.3	5.7
Freq. (MHz)	88.5	164.0	500.0	401.0
Limit (dB)	38.0	33.4	23.2	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	11.2	10.7	11.5
Freq. (MHz)	499.0	459.0	499.0	499.0
Limit (dB)	9.3	10.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.4	11.9
Freq. (MHz)	476.0	1.1	499.0	474.0
Limit (dB)	6.7	59.2	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	9.1	9.0	43.1	44.2
Freq. (MHz)	3.6	3.9	500.0	486.0
Limit (dB)	59.8	59.2	-23.2	-22.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	8.8	44.6	43.2
Freq. (MHz)	4.3	4.0	500.0	467.0
Limit (dB)	55.8	56.4	-26.1	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.5	5.7	7.4	5.9
Freq. (MHz)	192.0	131.0	488.0	484.0
Limit (dB)	9.2	10.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-A

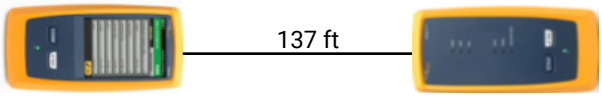
Test Summary: PASS

Date / Time: 11/27/2022 06:39:19 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

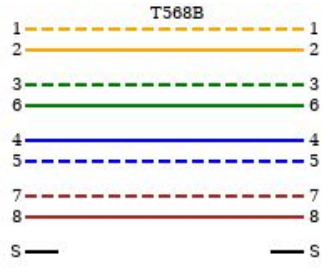
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

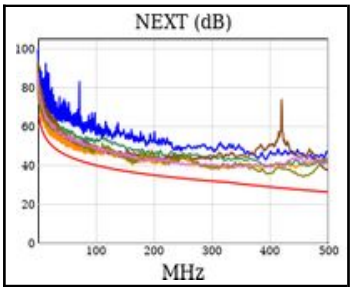
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	217
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	21.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

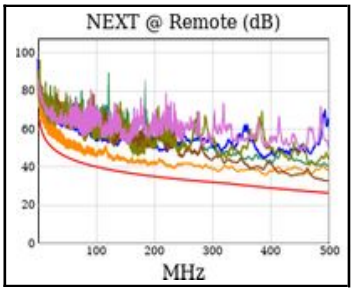


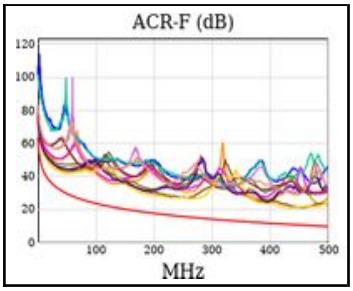
PASS

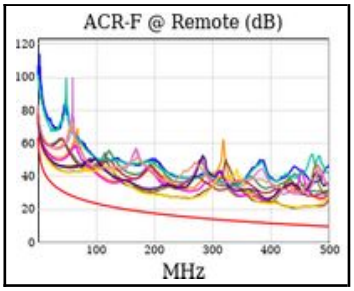


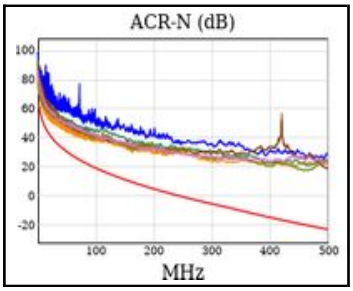


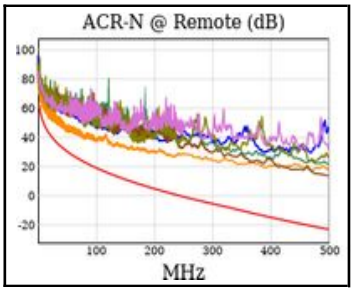


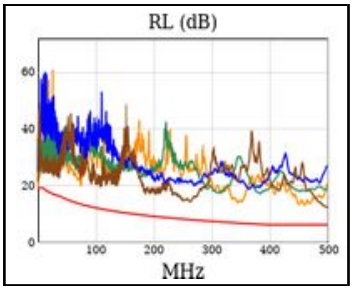


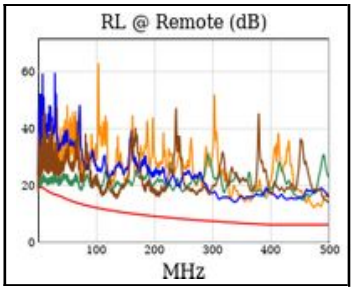












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.5	4.1	6.7	6.2
Freq. (MHz)	163.5	49.0	457.0	500.0
Limit (dB)	36.3	45.2	27.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.9	5.7	8.3	7.9
Freq. (MHz)	164.0	5.1	457.0	500.0
Limit (dB)	33.4	58.8	24.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	10.2	9.9	10.3
Freq. (MHz)	435.0	441.0	435.0	443.0
Limit (dB)	10.5	10.4	10.5	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.2	11.0	12.3	12.7
Freq. (MHz)	14.1	3.1	484.0	463.0
Limit (dB)	37.3	50.4	6.6	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	7.3	7.2	37.4	36.7
Freq. (MHz)	5.0	5.1	465.0	500.0
Limit (dB)	56.9	56.6	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	8.2	40.6	37.0
Freq. (MHz)	4.8	5.1	500.0	500.0
Limit (dB)	54.8	54.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	7,8	1,2
RL (dB)	5.4	2.2	6.0	6.0
Freq. (MHz)	11.6	17.4	500.0	476.0
Limit (dB)	18.7	17.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 132-B

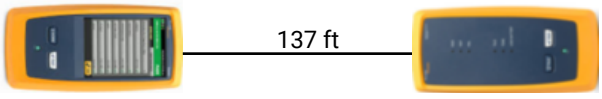
Test Summary: PASS

Date / Time: 11/27/2022 06:40:40 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

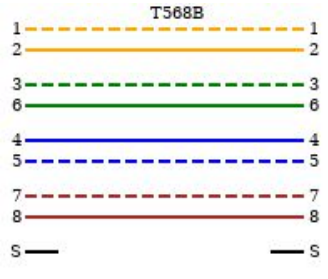
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

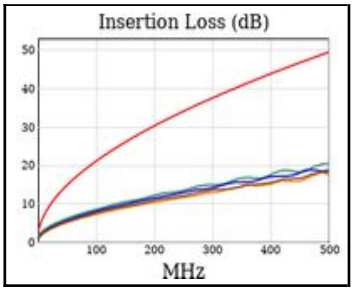
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

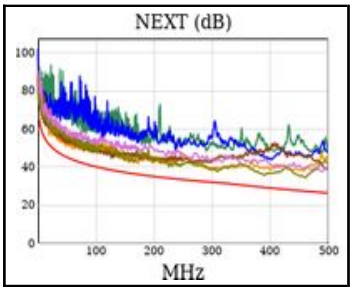
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	216
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	20.9
Insertion Loss Margin (dB)	[Pair 3,6]	29.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

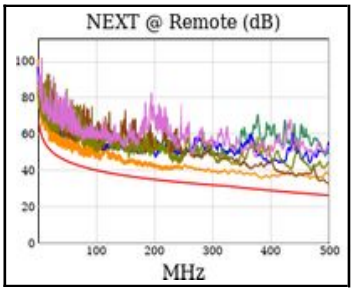


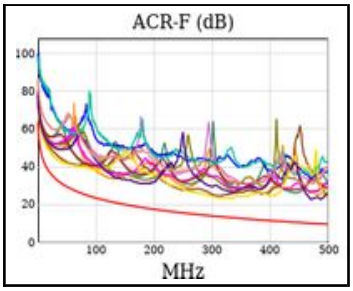
PASS

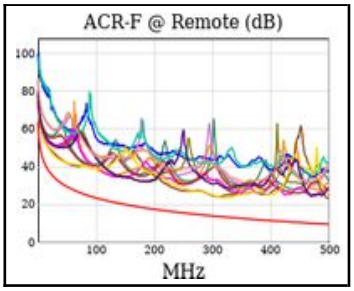


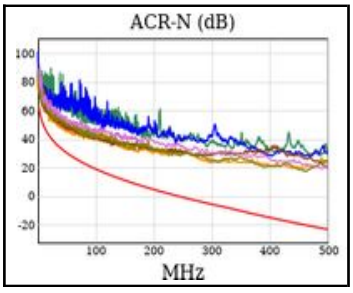


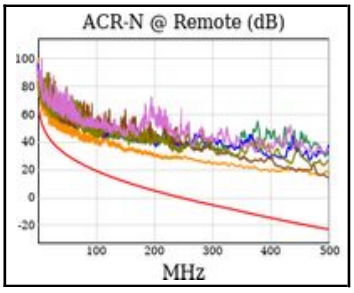


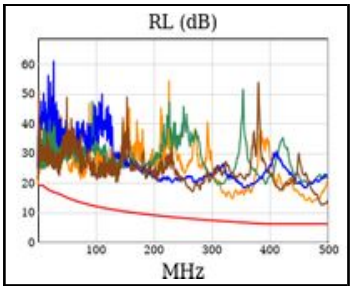


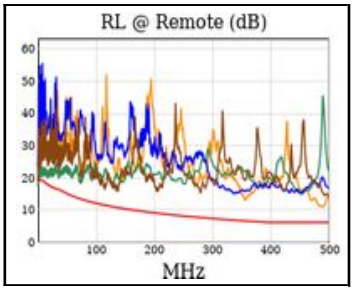












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.8	4.3	7.0	6.5
Freq. (MHz)	20.5	20.5	462.0	500.0
Limit (dB)	51.5	51.5	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	6.2	8.4	8.1
Freq. (MHz)	49.3	20.5	462.0	500.0
Limit (dB)	42.4	48.8	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	9.8	10.1	12.9	13.8
Freq. (MHz)	316.0	316.0	489.0	500.0
Limit (dB)	13.3	13.3	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.9	13.5	14.7
Freq. (MHz)	335.0	3.1	489.0	500.0
Limit (dB)	9.8	50.4	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	9.9	8.9	37.2	37.1
Freq. (MHz)	7.6	7.5	462.0	500.0
Limit (dB)	52.8	53.0	-20.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	10.0	37.2	37.1
Freq. (MHz)	4.6	5.0	462.0	500.0
Limit (dB)	55.1	54.3	-23.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	7,8	1,2
RL (dB)	6.0	1.8	6.3	4.8
Freq. (MHz)	11.5	10.4	491.0	489.0
Limit (dB)	18.7	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-B

Test Summary: PASS

Date / Time: 12/19/2022 03:27:58 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	339
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	17.8
Insertion Loss Margin (dB)	[Pair 3,6]	19.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	7.3	9.6	8.4
Freq. (MHz)	175.5	3.0	463.0	497.0
Limit (dB)	35.8	65.0	27.0	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.4	8.5	9.7	8.8
Freq. (MHz)	304.0	15.6	473.0	498.0
Limit (dB)	28.7	50.8	23.9	23.3

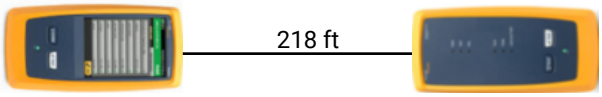
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	4,5-3,6	7,8-3,6	3,6-7,8
ACR-F (dB)	10.2	10.7	10.2	11.3
Freq. (MHz)	487.0	441.0	487.0	488.0
Limit (dB)	9.5	10.4	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.4	10.4	11.6	12.9
Freq. (MHz)	7.0	5.3	487.0	474.0
Limit (dB)	43.4	45.9	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.5	8.9	31.6	29.1
Freq. (MHz)	3.0	3.0	500.0	500.0
Limit (dB)	61.4	61.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.5	10.1	28.9	28.6
Freq. (MHz)	4.4	3.0	473.0	497.0
Limit (dB)	55.6	58.4	-24.0	-25.8

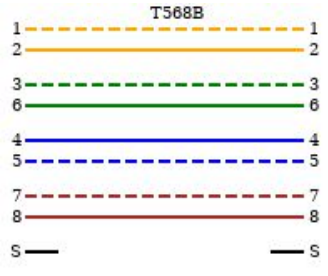
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	6.8	2.7	7.3	7.5
Freq. (MHz)	13.1	6.6	478.0	498.0
Limit (dB)	18.4	19.0	6.0	6.0

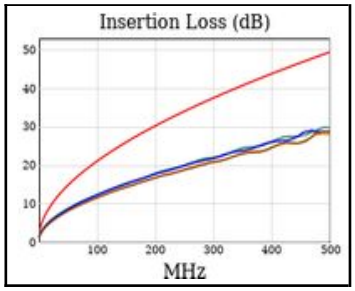
Compliant Network Standards:

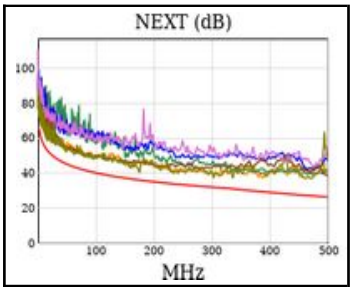
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

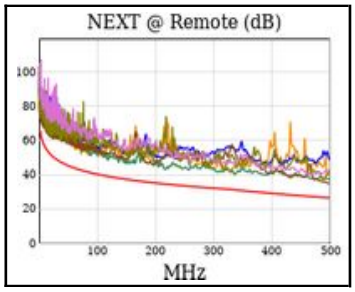


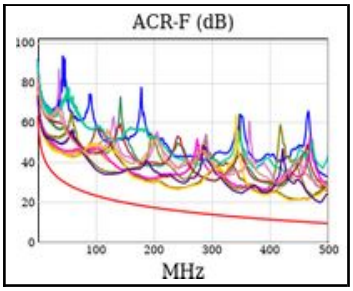
PASS

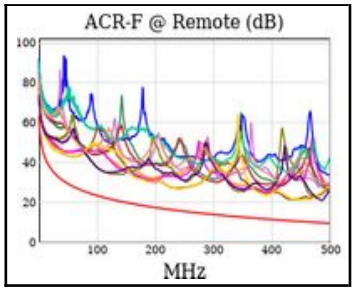


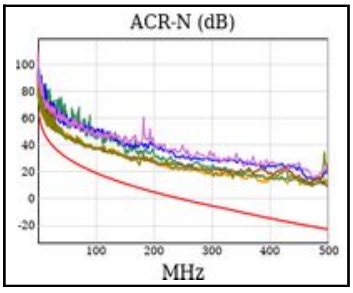


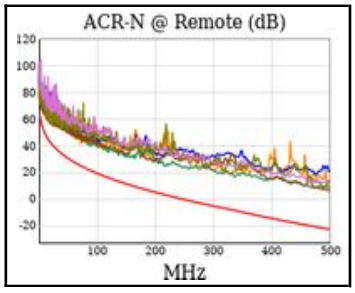


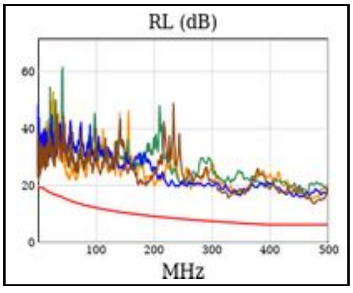


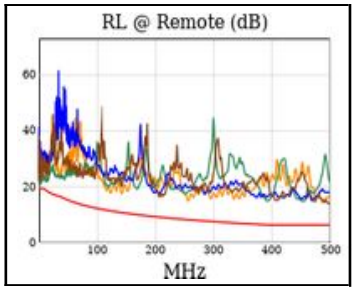












FLUKE networks

LinkWare Live

Cable ID: 134-A

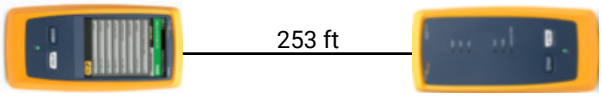
Test Summary: PASS

Date / Time: 12/19/2022 03:29:42 PM
Headroom: 6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

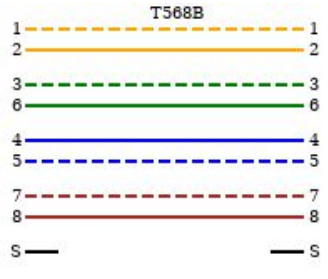
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

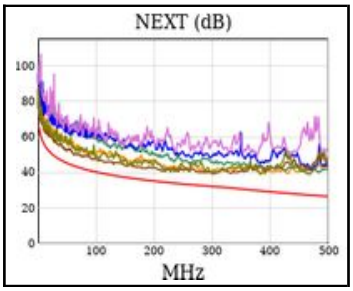
Length (ft), Limit 328	[Pair 1,2]	253
Prop. Delay (ns), Limit 555	[Pair 4,5]	401
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	19.2
Insertion Loss Margin (dB)	[Pair 3,6]	10.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

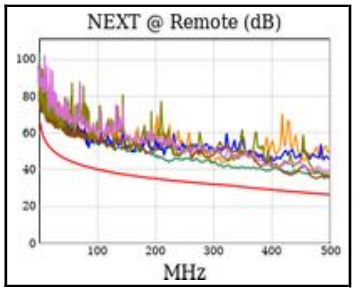


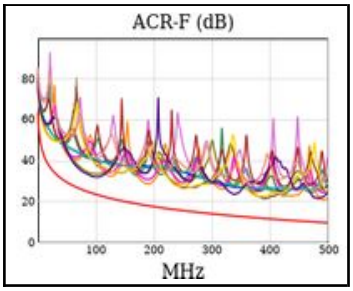
PASS

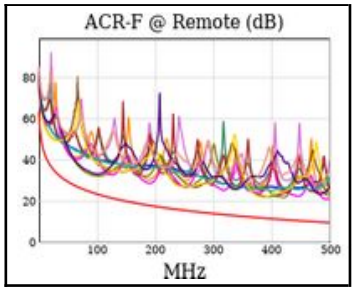


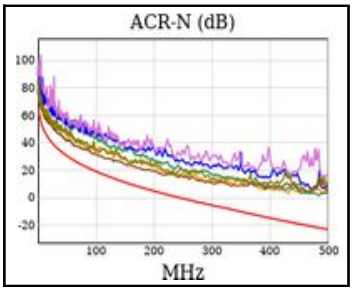


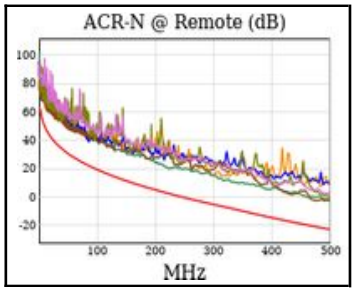


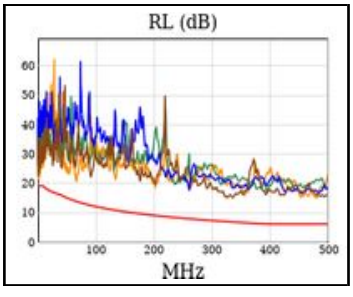


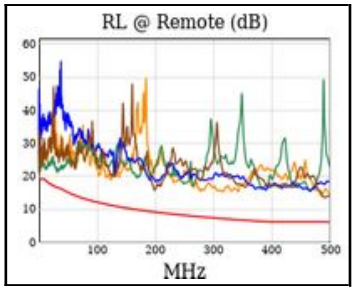












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	6.0	8.2	11.7	8.3
Freq. (MHz)	229.5	477.0	470.0	478.0
Limit (dB)	33.8	26.7	26.8	26.6
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.5	8.2	6.0	8.2
Freq. (MHz)	222.0	491.0	300.0	491.0
Limit (dB)	31.1	23.4	28.8	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.2	8.3	11.0	11.2
Freq. (MHz)	96.5	91.3	495.0	495.0
Limit (dB)	23.6	24.1	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.2	11.2	11.2
Freq. (MHz)	111.0	421.0	494.0	500.0
Limit (dB)	19.4	7.8	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	7.7	9.3	23.6	19.8
Freq. (MHz)	3.8	2.5	486.0	500.0
Limit (dB)	59.5	61.7	-22.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.0	10.5	22.0	19.3
Freq. (MHz)	3.8	2.5	471.0	500.0
Limit (dB)	57.0	58.7	-23.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.6	3.2	8.9	7.5
Freq. (MHz)	6.0	4.1	481.0	494.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 134-B

Test Summary: PASS

Date / Time: 12/19/2022 03:32:50 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	253
Prop. Delay (ns), Limit 555	[Pair 4,5]	401
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	15.9
Insertion Loss Margin (dB)	[Pair 3,6]	10.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-4,5	1,2-7,8	3,6-4,5
NEXT (dB)	4.5	6.9	7.0	6.9
Freq. (MHz)	56.5	500.0	463.0	500.0
Limit (dB)	44.1	26.1	27.0	26.1
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	5.3	7.8	8.3	7.8
Freq. (MHz)	157.5	499.0	477.0	499.0
Limit (dB)	33.7	23.3	23.8	23.3

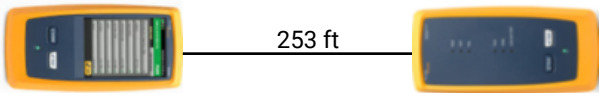
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.4	10.0	10.0
Freq. (MHz)	457.0	327.0	457.0	457.0
Limit (dB)	10.1	13.0	10.1	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.0	11.7	10.8
Freq. (MHz)	316.0	320.0	486.0	481.0
Limit (dB)	10.3	10.2	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	3,6-4,5
ACR-N (dB)	7.3	9.1	19.7	17.8
Freq. (MHz)	3.8	3.8	486.0	500.0
Limit (dB)	59.5	59.5	-22.1	-23.2
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	8.1	10.2	21.3	18.2
Freq. (MHz)	5.0	3.8	486.0	498.0
Limit (dB)	54.3	57.0	-25.0	-25.9

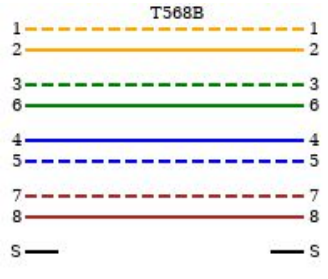
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	5.6	4.8	7.6	6.9
Freq. (MHz)	6.0	14.4	488.0	490.0
Limit (dB)	19.0	18.2	6.0	6.0

Compliant Network Standards:

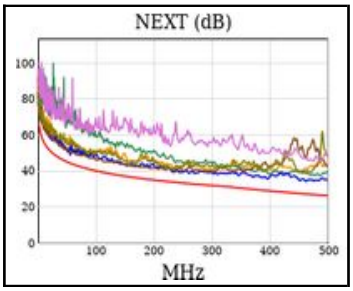
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

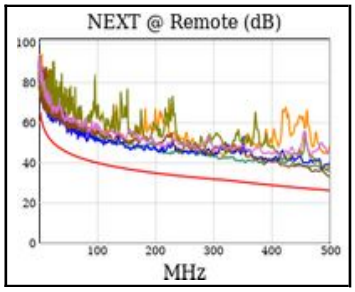


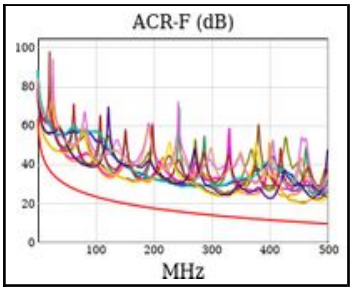
PASS

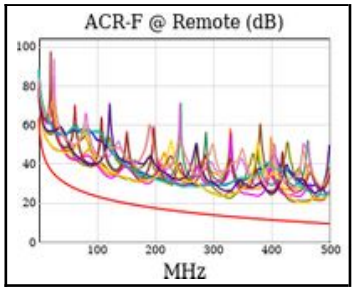


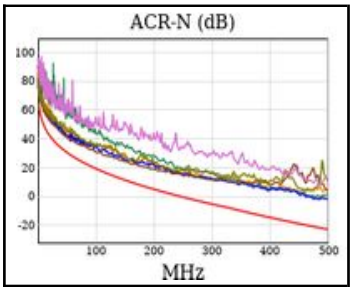


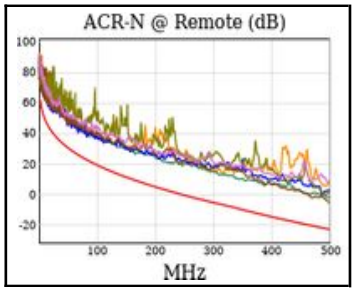


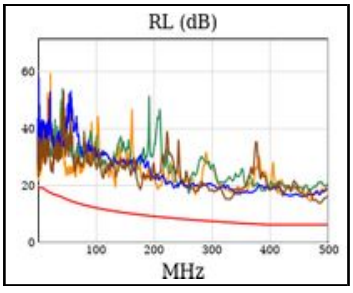


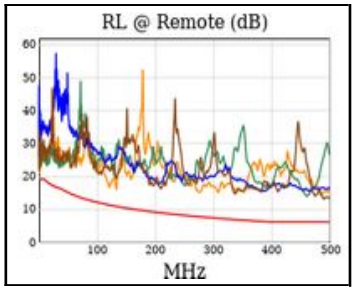












FLUKE networks

LinkWare Live

Cable ID: 133-A

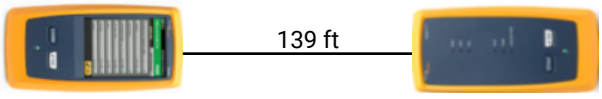
Test Summary: PASS

Date / Time: 12/04/2022 05:42:50 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

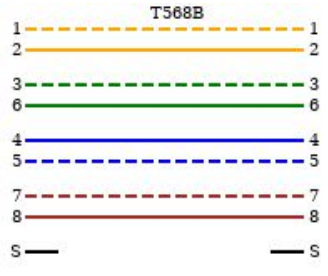
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

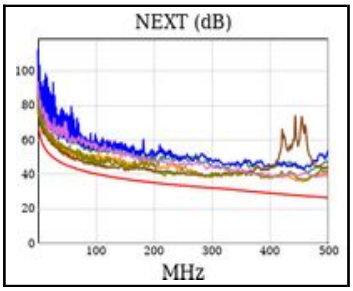
Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	221
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	17.2
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

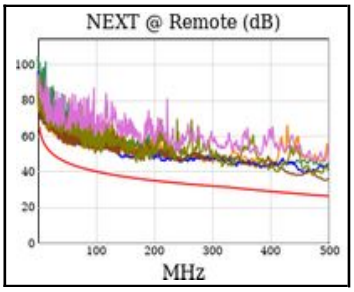


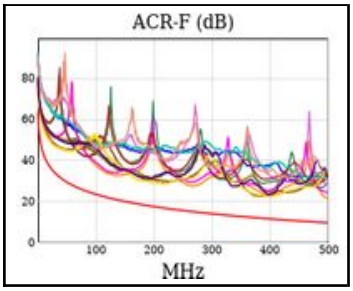
PASS

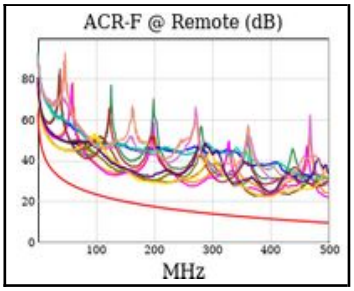


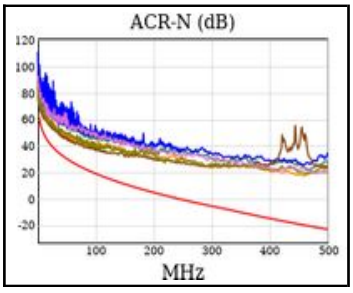


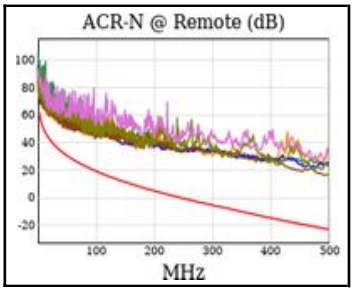


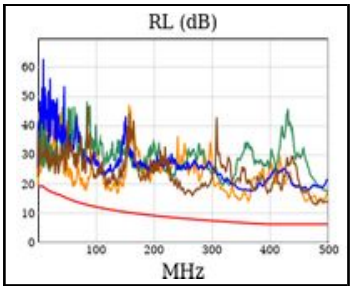


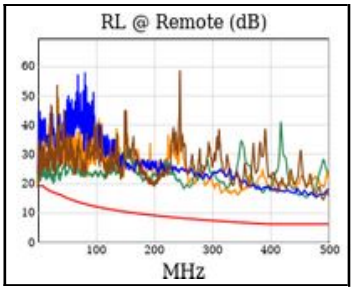












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	7.1	8.2	8.7
Freq. (MHz)	81.0	4.6	459.0	495.0
Limit (dB)	41.5	62.0	27.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	7.5	8.8	10.3
Freq. (MHz)	81.0	5.0	459.0	492.0
Limit (dB)	38.7	59.0	24.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.8	10.5	12.2	12.5
Freq. (MHz)	389.0	391.0	499.0	499.0
Limit (dB)	11.5	11.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	10.1	9.6	10.2
Freq. (MHz)	398.0	398.0	405.0	401.0
Limit (dB)	8.3	8.3	8.1	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.6	9.9	37.1	38.8
Freq. (MHz)	4.4	4.6	459.0	495.0
Limit (dB)	58.1	57.6	-19.9	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	9.8	37.9	39.2
Freq. (MHz)	4.6	2.8	462.0	492.0
Limit (dB)	55.1	58.5	-23.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	4.8	3.0	6.7	8.3
Freq. (MHz)	83.8	14.8	482.0	492.0
Limit (dB)	12.8	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-B

Test Summary: PASS

Date / Time: 12/04/2022 05:43:48 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: LAHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	17.1
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	6.4	7.0	9.2
Freq. (MHz)	78.5	4.9	397.0	500.0
Limit (dB)	41.7	61.7	28.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	2.8	6.2	6.7	9.8
Freq. (MHz)	88.3	5.0	395.0	500.0
Limit (dB)	38.0	59.0	25.9	23.2

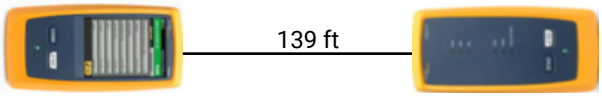
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	3,6-4,5	1,2-3,6
ACR-F (dB)	9.3	9.9	11.7	11.0
Freq. (MHz)	9.0	9.0	448.0	490.0
Limit (dB)	44.2	44.2	10.2	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.8	12.4	12.4
Freq. (MHz)	9.1	3.1	485.0	485.0
Limit (dB)	41.1	50.4	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	7.2	8.9	41.0	39.3
Freq. (MHz)	4.6	4.9	500.0	500.0
Limit (dB)	57.6	57.1	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	6.6	8.8	41.4	39.9
Freq. (MHz)	4.5	5.0	500.0	500.0
Limit (dB)	55.3	54.3	-26.1	-26.1

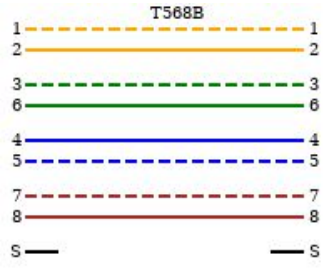
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	4.0	3.8	5.5	6.7
Freq. (MHz)	60.8	28.9	498.0	500.0
Limit (dB)	14.2	16.7	6.0	6.0

Compliant Network Standards:

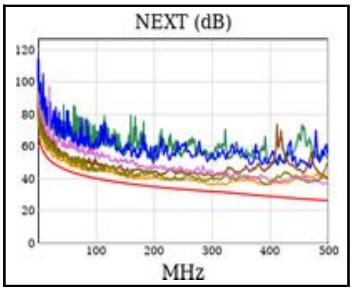
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

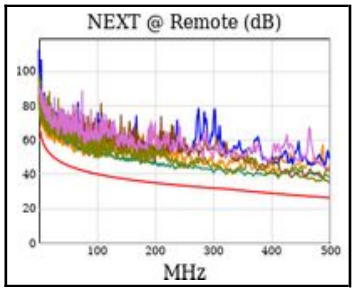


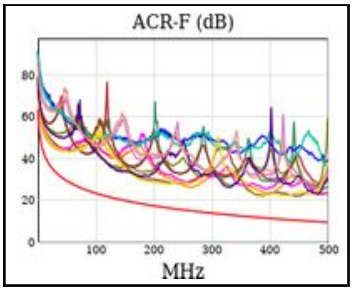
PASS

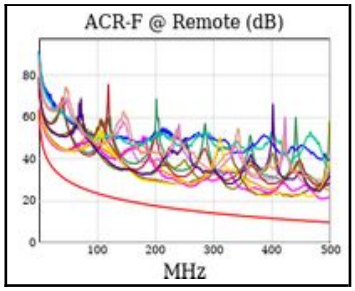


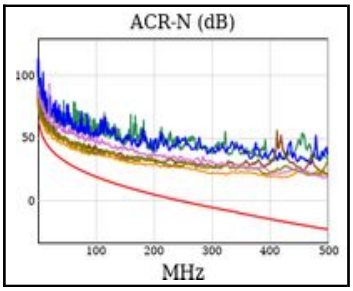


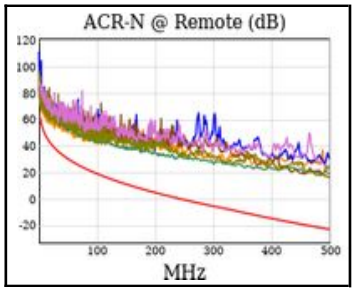


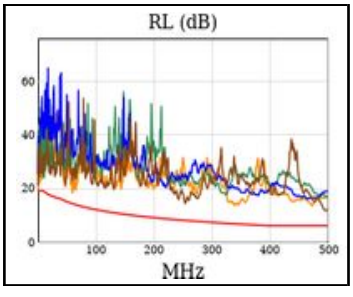


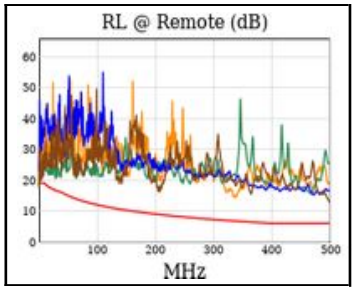












FLUKE networks

LinkWare Live

Cable ID: 133-A

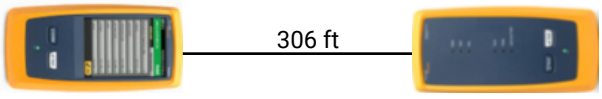
Test Summary: PASS

Date / Time: 12/11/2022 02:05:30 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

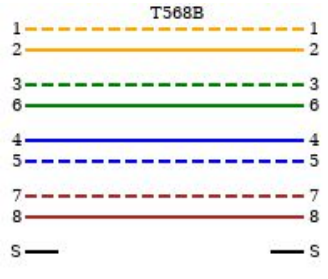
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	306
Prop. Delay (ns), Limit 555	[Pair 4,5]	476
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	18.4
Insertion Loss Margin (dB)	[Pair 3,6]	9.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

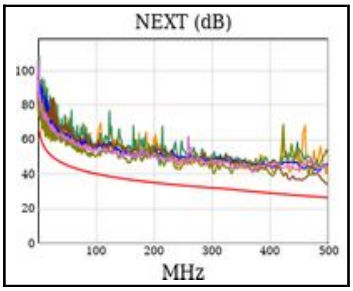


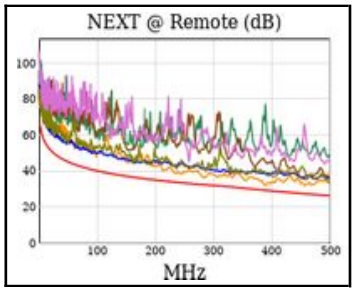
PASS



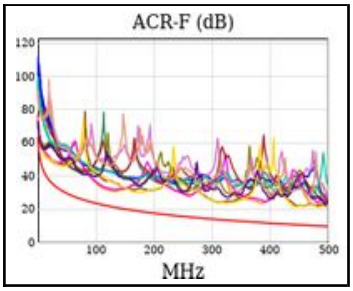


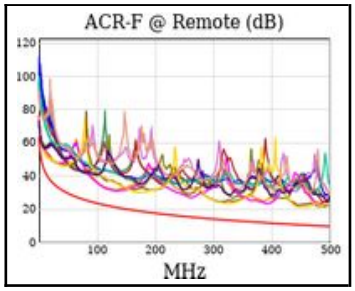
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.6	2.7	7.7	4.5
Freq. (MHz)	13.3	389.0	500.0	458.0
Limit (dB)	54.6	29.1	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.4	4.7	9.7	6.1
Freq. (MHz)	3.3	391.0	498.0	500.0
Limit (dB)	62.0	26.1	23.3	23.2



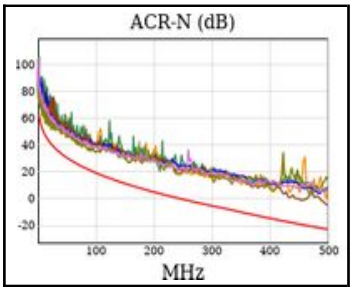


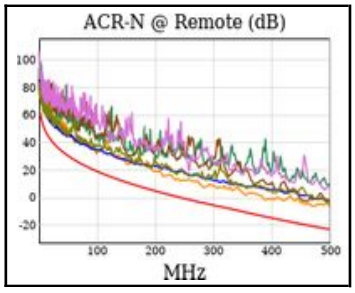
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.7	11.3	10.8
Freq. (MHz)	131.0	131.0	498.0	461.0
Limit (dB)	20.9	20.9	9.3	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.7	9.7	10.7	11.6
Freq. (MHz)	2.5	3.5	497.0	483.0
Limit (dB)	52.3	49.4	6.3	6.6



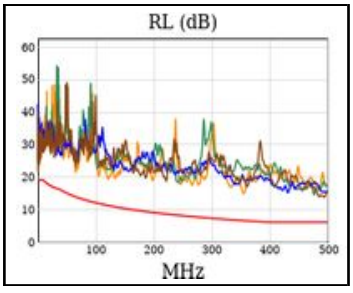


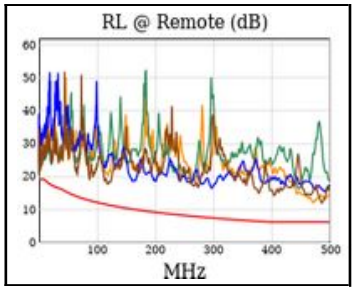
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	8.4	9.8	18.1	16.1
Freq. (MHz)	7.5	7.8	500.0	500.0
Limit (dB)	53.0	52.7	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	9.5	18.7	15.4
Freq. (MHz)	3.3	3.3	498.0	500.0
Limit (dB)	58.2	58.2	-25.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	6.0	3.3	7.7	5.7
Freq. (MHz)	4.8	3.6	495.0	487.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-B

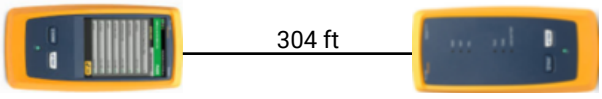
Test Summary: PASS

Date / Time: 12/11/2022 02:09:06 PM
Headroom: 1.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

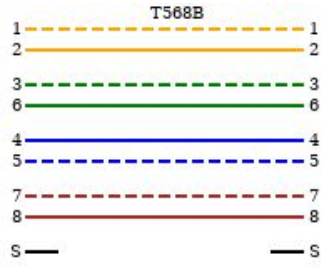
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

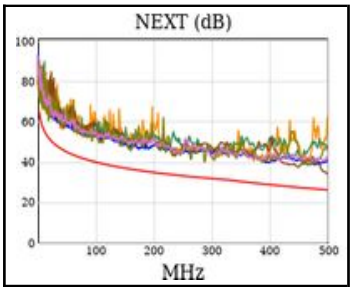
Length (ft), Limit 328	[Pair 7,8]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	473
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	18.0
Insertion Loss Margin (dB)	[Pair 3,6]	9.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

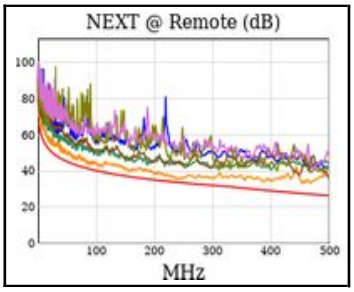


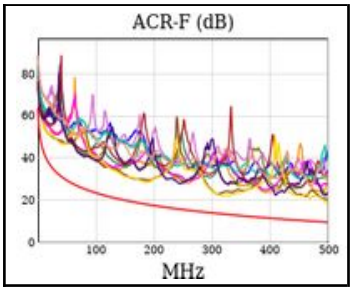
PASS

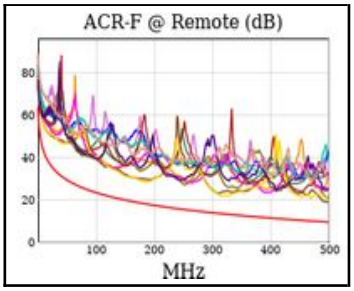


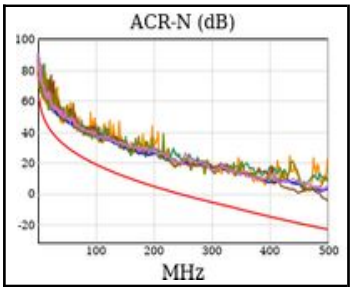


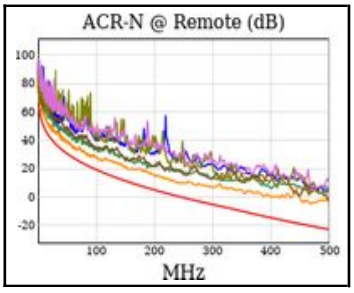


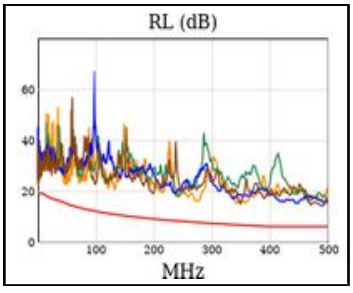


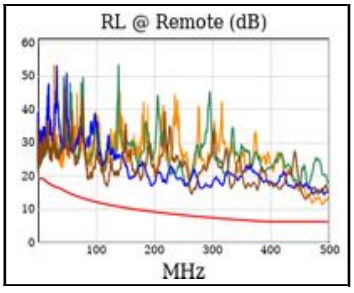












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.8	1.7	7.9	5.4
Freq. (MHz)	3.3	239.0	500.0	455.0
Limit (dB)	64.5	33.5	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.9	4.0	9.9	7.4
Freq. (MHz)	3.3	239.0	500.0	469.0
Limit (dB)	62.0	30.5	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	8.6	8.4	8.9	9.4
Freq. (MHz)	318.0	318.0	500.0	500.0
Limit (dB)	13.2	13.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	9.7	10.2	9.7
Freq. (MHz)	497.0	498.0	497.0	498.0
Limit (dB)	6.3	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.7	5.9	18.6	15.3
Freq. (MHz)	3.3	6.4	500.0	470.0
Limit (dB)	60.7	54.6	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.8	6.4	20.0	18.6
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	6.1	3.7	8.0	5.2
Freq. (MHz)	4.9	3.6	492.0	490.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-A

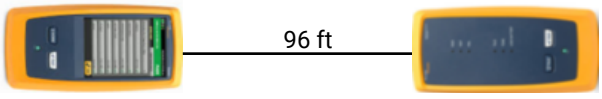
Test Summary: PASS

Date / Time: 12/03/2022 06:28:46 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

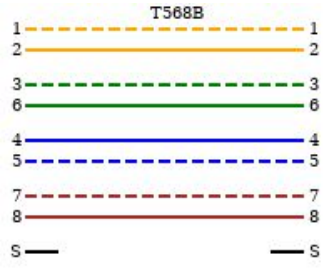
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

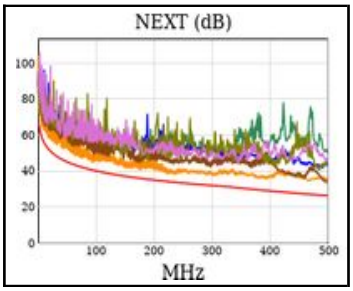
Length (ft), Limit 328	[Pair 1,2]	96
Prop. Delay (ns), Limit 555	[Pair 4,5]	153
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	34.9
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

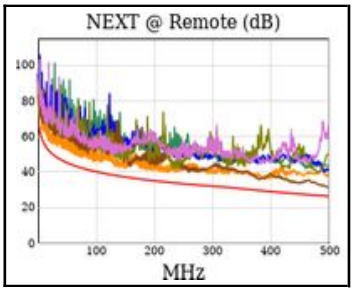


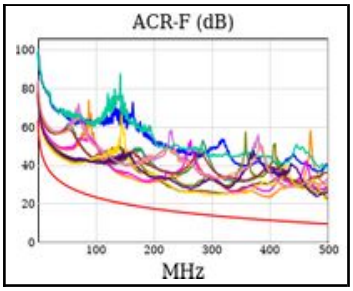
PASS

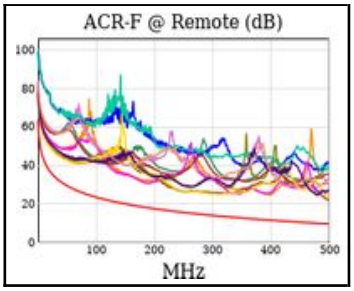


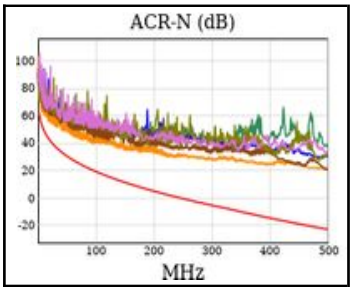


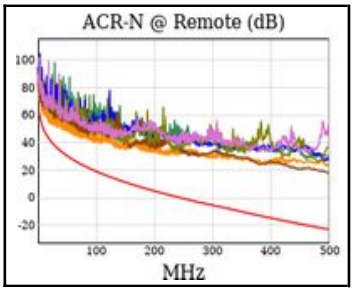


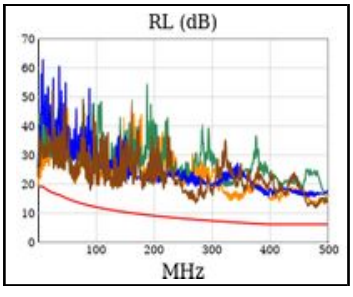


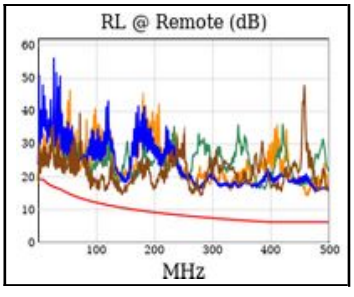












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.1	4.6	7.4	4.8
Freq. (MHz)	225.0	141.0	500.0	500.0
Limit (dB)	33.9	37.4	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	5.8	7.6	6.8
Freq. (MHz)	175.0	148.5	500.0	500.0
Limit (dB)	32.9	34.1	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.6	12.2	12.4
Freq. (MHz)	298.0	251.0	500.0	500.0
Limit (dB)	13.8	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.5	13.2	13.1
Freq. (MHz)	262.0	334.0	500.0	499.0
Limit (dB)	11.9	9.8	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	9.2	43.4	40.8
Freq. (MHz)	7.5	7.5	500.0	500.0
Limit (dB)	53.0	53.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	10.6	42.6	41.8
Freq. (MHz)	3.4	3.8	500.0	500.0
Limit (dB)	57.9	57.0	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.4	3.7	5.5	7.7
Freq. (MHz)	273.0	91.5	481.0	465.0
Limit (dB)	7.6	12.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-B

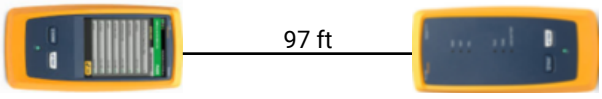
Test Summary: PASS

Date / Time: 12/03/2022 06:29:38 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

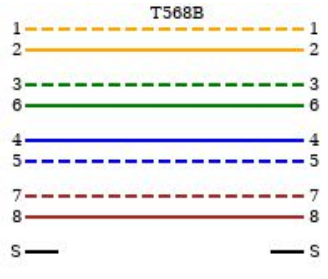
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

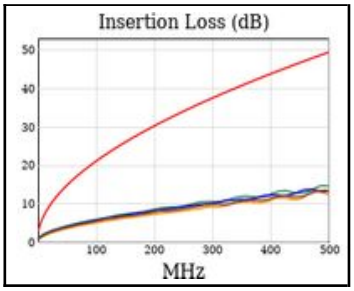
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

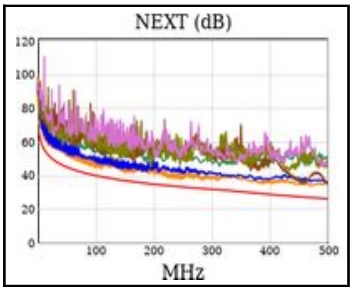
Length (ft), Limit 328	[Pair 1,2]	97
Prop. Delay (ns), Limit 555	[Pair 4,5]	154
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	11.8
Insertion Loss Margin (dB)	[Pair 3,6]	34.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

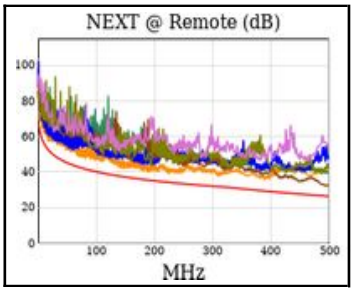


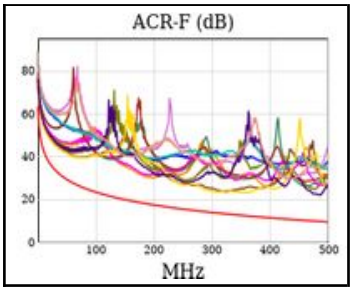
PASS

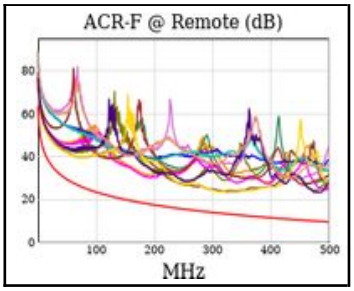


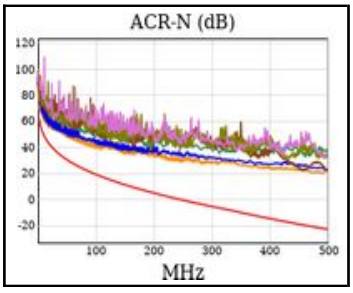


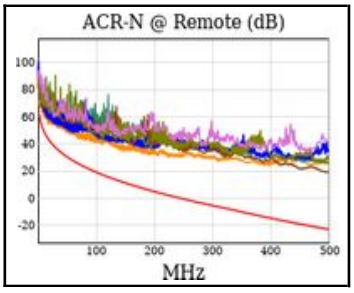


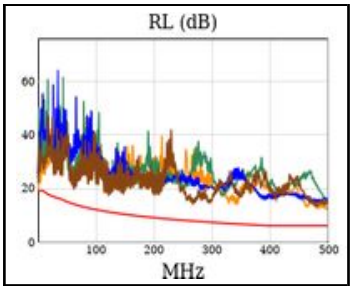


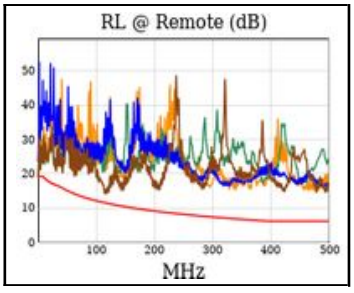












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	4.4	6.9	5.6
Freq. (MHz)	246.0	147.5	471.0	497.0
Limit (dB)	33.2	37.1	26.8	26.2
Worst Pair	1,2	1,2	1,2	3,6
PS NEXT (dB)	5.4	5.7	7.9	7.4
Freq. (MHz)	151.0	189.5	471.0	494.0
Limit (dB)	34.0	32.3	23.9	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-7,8
ACR-F (dB)	9.9	10.0	12.3	13.5
Freq. (MHz)	311.0	316.0	489.0	486.0
Limit (dB)	13.4	13.3	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.4	14.3	14.6
Freq. (MHz)	1.3	7.0	489.0	496.0
Limit (dB)	58.3	43.4	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	7.5	42.0	41.6
Freq. (MHz)	3.8	3.5	490.0	497.0
Limit (dB)	59.5	60.1	-22.4	-23.0
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	9.8	9.4	43.7	41.9
Freq. (MHz)	3.5	3.8	500.0	494.0
Limit (dB)	57.6	57.0	-26.1	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.6	2.5	5.9	2.7
Freq. (MHz)	63.3	115.5	500.0	119.0
Limit (dB)	14.0	11.4	6.0	11.2

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 134-A

Test Summary: PASS

Date / Time: 11/23/2022 07:35:47 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	10.8
Insertion Loss Margin (dB)	[Pair 3,6]	22.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.6	5.4	4.7	8.3
Freq. (MHz)	462.0	191.0	468.0	500.0
Limit (dB)	27.0	35.1	26.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.0	7.9	6.1	10.3
Freq. (MHz)	461.0	187.0	462.0	500.0
Limit (dB)	24.2	32.4	24.1	23.2

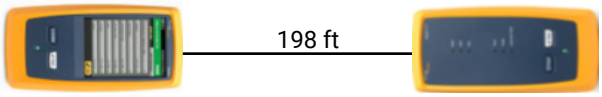
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	4,5-3,6
ACR-F (dB)	10.3	9.8	10.6	9.8
Freq. (MHz)	430.0	430.0	476.0	430.0
Limit (dB)	10.6	10.6	9.7	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.2	11.8	11.2
Freq. (MHz)	434.0	429.0	471.0	429.0
Limit (dB)	7.5	7.6	6.8	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	13.8	11.2	27.1	31.4
Freq. (MHz)	6.5	6.5	468.0	500.0
Limit (dB)	54.4	54.4	-20.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	14.4	11.7	30.6	33.2
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1

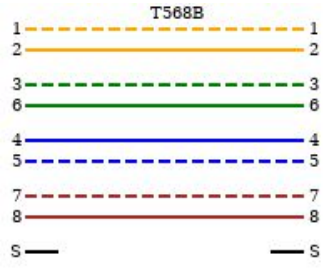
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.8	4.0	8.0	5.0
Freq. (MHz)	9.6	38.3	490.0	422.0
Limit (dB)	19.0	16.1	6.0	6.0

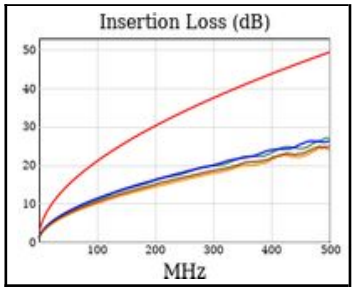
Compliant Network Standards:

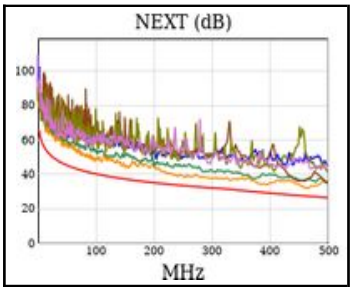
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

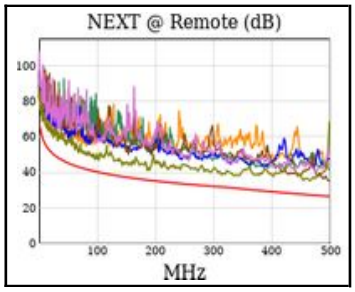


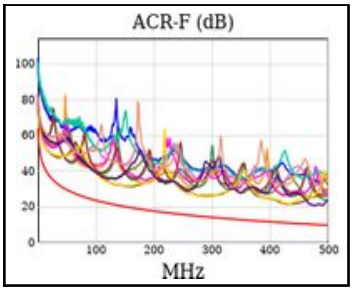
PASS

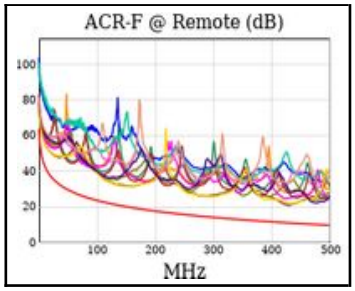


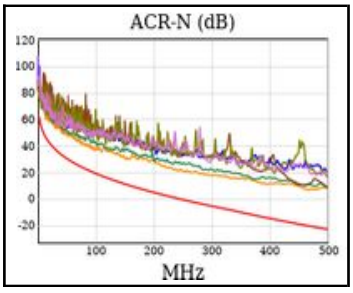


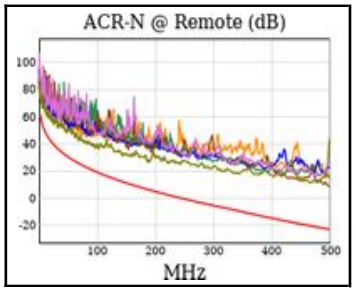


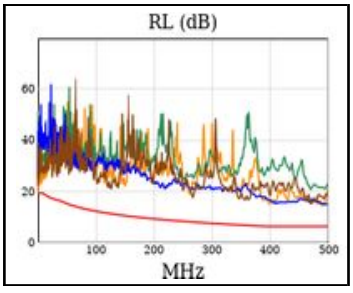


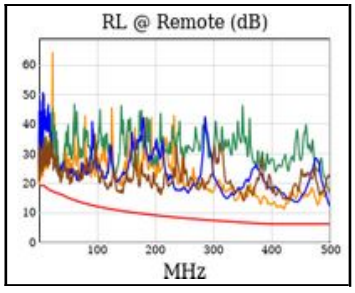












FLUKE networks

LinkWare Live

Cable ID: 134-B

Test Summary: PASS

Date / Time: 11/23/2022 07:37:55 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	314
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	22.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	4.5	4.7	6.2	6.8
Freq. (MHz)	248.5	166.0	500.0	500.0
Limit (dB)	33.2	36.2	26.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.7	6.4	6.7	8.8
Freq. (MHz)	500.0	155.0	500.0	499.0
Limit (dB)	23.2	33.8	23.2	23.3

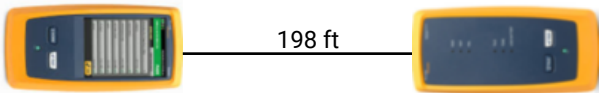
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.6	9.7	10.8	9.7
Freq. (MHz)	454.0	455.0	478.0	455.0
Limit (dB)	10.1	10.1	9.7	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	11.2	10.2	11.2
Freq. (MHz)	477.0	470.0	477.0	470.0
Limit (dB)	6.7	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.6	11.6	29.4	30.0
Freq. (MHz)	12.8	3.4	500.0	500.0
Limit (dB)	47.5	60.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	12.2	29.1	31.3
Freq. (MHz)	13.0	3.3	500.0	499.0
Limit (dB)	44.7	58.2	-26.1	-26.0

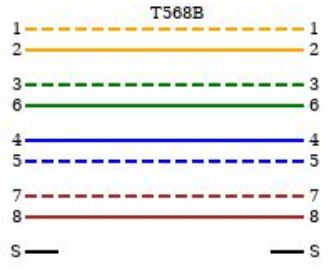
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.4	2.0	7.8	4.5
Freq. (MHz)	14.6	32.5	471.0	438.0
Limit (dB)	18.2	16.4	6.0	6.0

Compliant Network Standards:

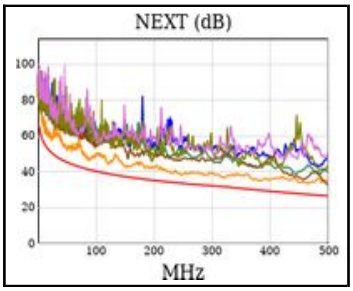
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

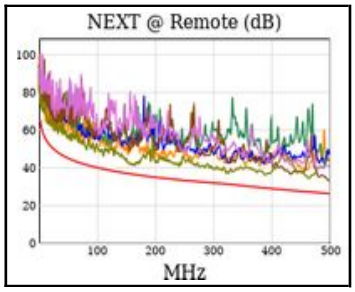


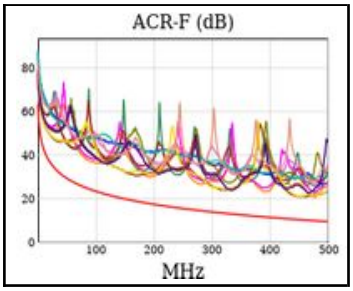
PASS

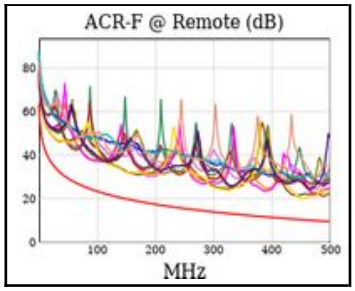


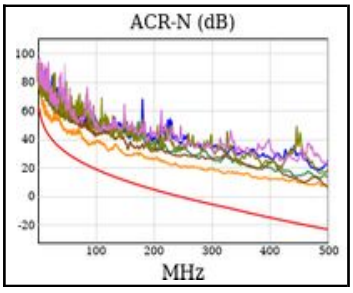


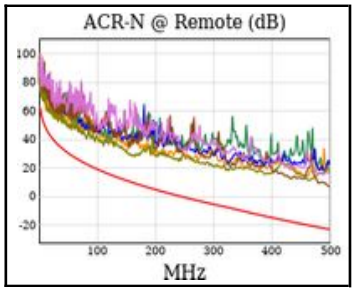


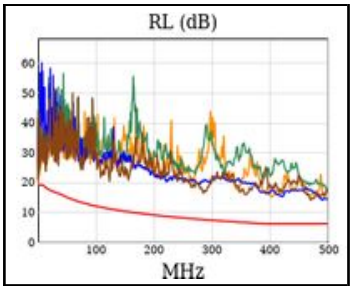


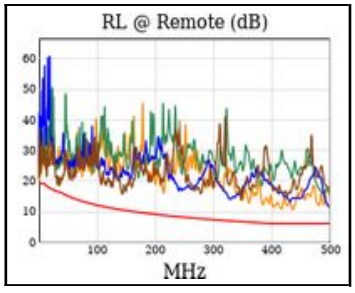












FLUKE networks

LinkWare Live

Cable ID: 133-A

Test Summary: PASS

Date / Time: 12/17/2022 05:55:47 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	147
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	4.0	3.9	6.7	6.5
Freq. (MHz)	303.0	295.0	431.0	495.0
Limit (dB)	31.7	31.9	27.9	26.2
Worst Pair	3,6	1,2	7,8	4,5
PS NEXT (dB)	4.5	5.7	8.4	7.5
Freq. (MHz)	167.0	295.0	459.0	500.0
Limit (dB)	33.2	28.9	24.2	23.2

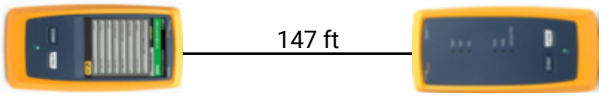
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-1,2	1,2-3,6
ACR-F (dB)	10.3	10.4	11.8	11.4
Freq. (MHz)	312.0	310.0	483.0	487.0
Limit (dB)	13.4	13.4	9.6	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.9	12.2	13.2
Freq. (MHz)	5.3	1.0	395.0	488.0
Limit (dB)	45.9	60.3	8.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-4,5
ACR-N (dB)	10.2	10.4	33.9	37.0
Freq. (MHz)	4.8	4.9	431.0	500.0
Limit (dB)	57.3	57.1	-17.6	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.9	9.8	38.9	37.8
Freq. (MHz)	4.5	4.6	495.0	500.0
Limit (dB)	55.3	55.1	-25.7	-26.1

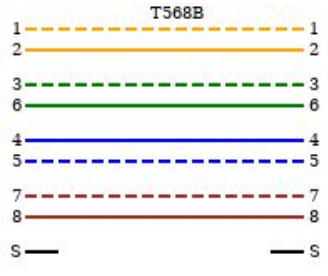
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	5.4	5.2	7.4	6.0
Freq. (MHz)	195.0	130.5	412.0	466.0
Limit (dB)	9.1	10.8	6.0	6.0

Compliant Network Standards:

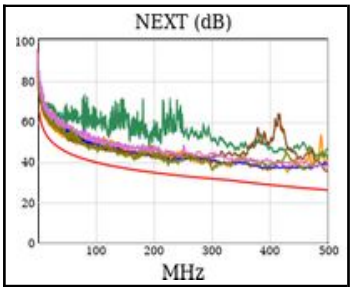
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

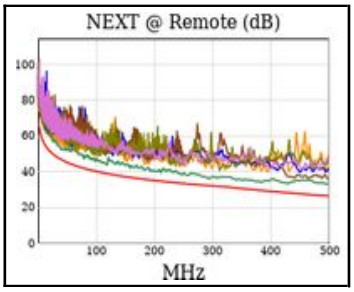


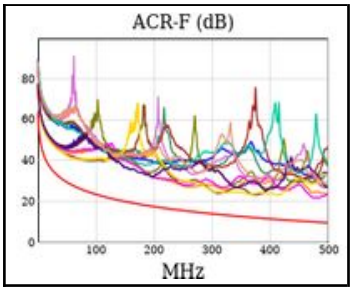
PASS

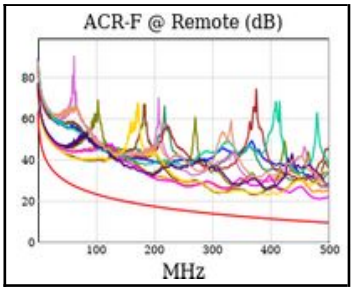


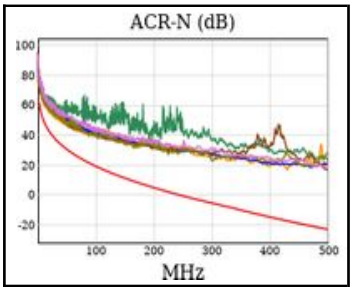


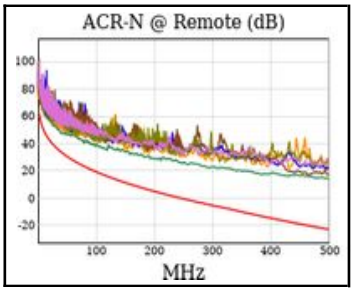


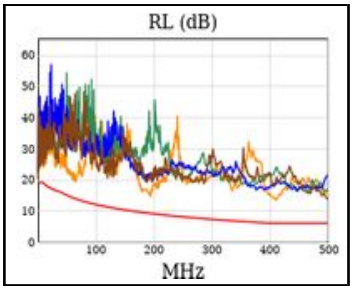


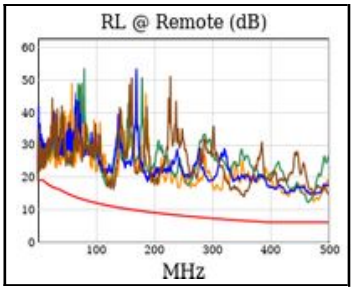












FLUKE networks

LinkWare Live

Cable ID: 133-B

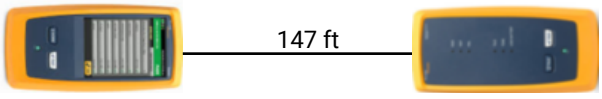
Test Summary: PASS

Date / Time: 12/17/2022 05:56:06 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

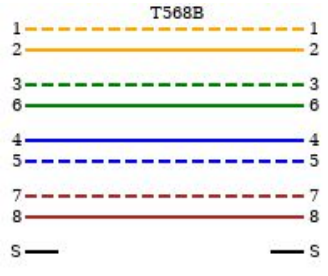
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	147
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

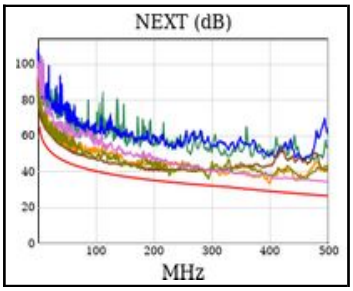


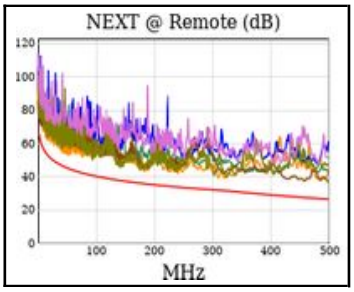
PASS



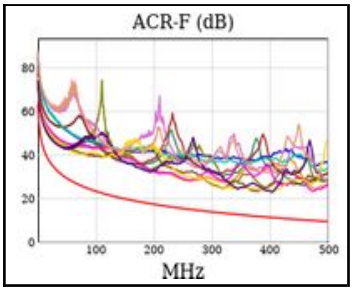


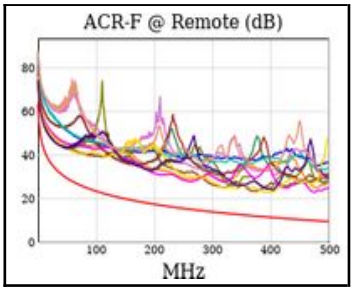
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	6.9	4.2	10.3
Freq. (MHz)	227.5	311.0	399.0	500.0
Limit (dB)	33.8	31.5	28.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	6.7	5.5	11.0
Freq. (MHz)	227.5	183.5	399.0	486.0
Limit (dB)	30.9	32.5	25.8	23.6



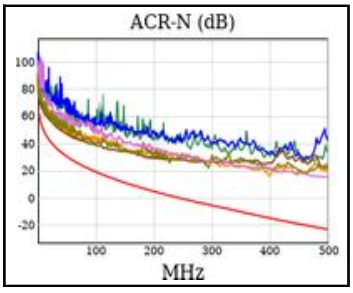


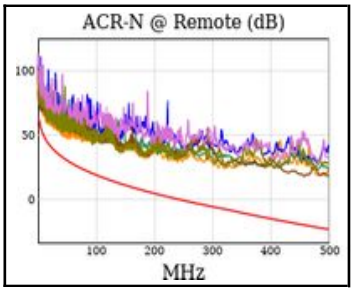
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	7,8-3,6	3,6-4,5
ACR-F (dB)	10.8	10.7	11.7	11.3
Freq. (MHz)	5.1	5.1	405.0	395.0
Limit (dB)	49.1	49.1	11.1	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.5	11.8	14.3
Freq. (MHz)	5.0	5.1	406.0	478.0
Limit (dB)	46.3	46.1	8.1	6.7



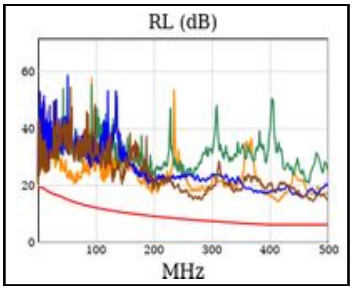


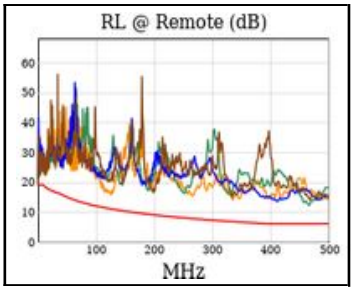
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.3	12.1	38.4	40.7
Freq. (MHz)	4.4	4.4	500.0	500.0
Limit (dB)	58.1	58.1	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.8	11.1	40.2	39.8
Freq. (MHz)	4.4	4.5	500.0	486.0
Limit (dB)	55.6	55.3	-26.1	-25.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	6.3	4.6	8.0	6.1
Freq. (MHz)	63.3	14.4	417.0	468.0
Limit (dB)	14.0	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 134-A

Test Summary: PASS

Date / Time: 12/17/2022 05:57:50 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	15.5
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	4.9	7.0	10.1
Freq. (MHz)	116.0	171.5	460.0	500.0
Limit (dB)	38.8	35.9	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	4.7	8.5	9.9
Freq. (MHz)	179.5	169.0	460.0	496.0
Limit (dB)	32.7	33.1	24.2	23.3

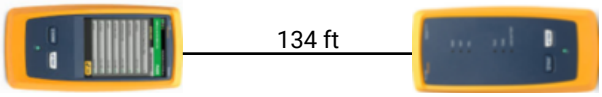
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.9	11.5	11.2
Freq. (MHz)	384.0	384.0	424.0	400.0
Limit (dB)	11.6	11.6	10.7	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.3	11.8	12.8
Freq. (MHz)	5.9	8.1	405.0	399.0
Limit (dB)	44.9	42.1	8.1	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	8.6	9.7	39.3	40.4
Freq. (MHz)	4.6	5.0	494.0	495.0
Limit (dB)	57.6	56.9	-22.7	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	9.6	40.5	40.3
Freq. (MHz)	4.6	5.0	495.0	496.0
Limit (dB)	55.1	54.3	-25.7	-25.8

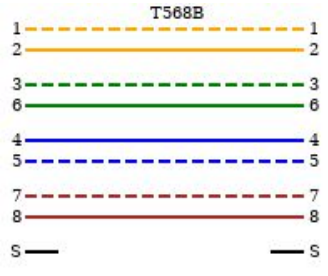
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	3.5	2.1	7.2	4.1
Freq. (MHz)	63.5	13.6	409.0	466.0
Limit (dB)	14.0	18.3	6.0	6.0

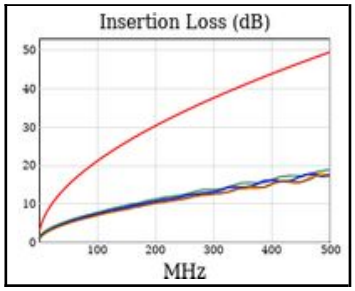
Compliant Network Standards:

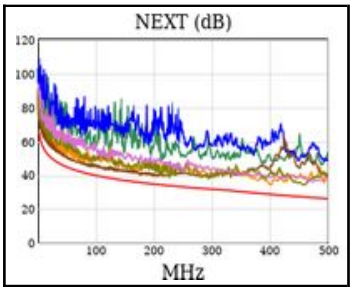
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

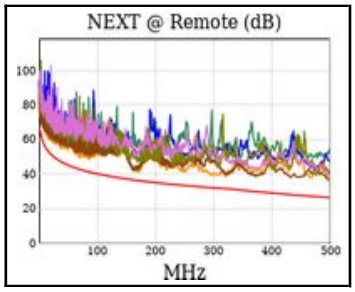


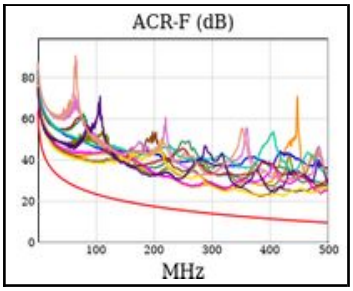
PASS

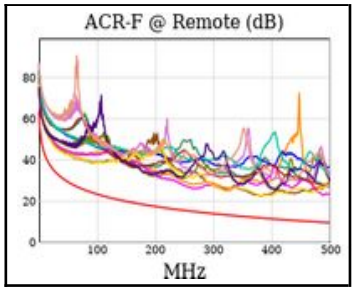


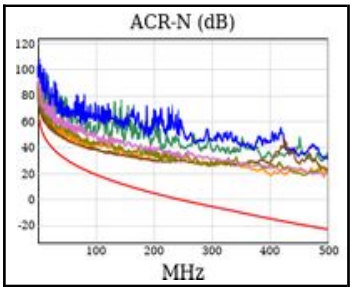


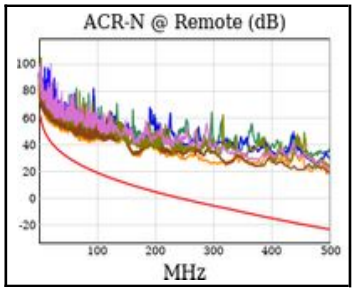


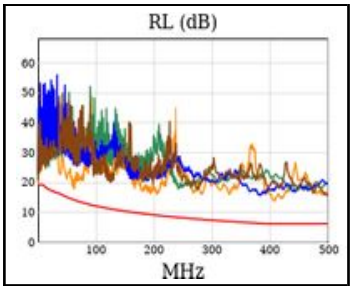


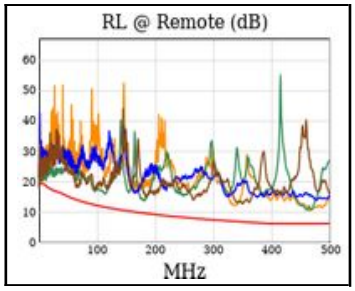












FLUKE networks

LinkWare Live

Cable ID: 134-B

Test Summary: PASS

Date / Time: 12/17/2022 06:02:44 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	14.4
Insertion Loss Margin (dB)	[Pair 3,6]	30.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	5.7	6.9	7.7
Freq. (MHz)	228.0	163.0	460.0	500.0
Limit (dB)	33.8	36.3	27.1	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.4	5.3	8.4	9.3
Freq. (MHz)	179.5	169.0	460.0	500.0
Limit (dB)	32.7	33.1	24.2	23.2

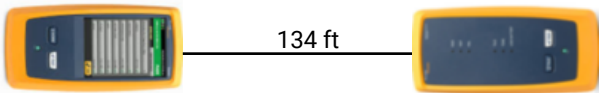
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.8	10.7	11.1	10.9
Freq. (MHz)	384.0	393.0	400.0	400.0
Limit (dB)	11.6	11.4	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.5	12.2	12.8
Freq. (MHz)	5.8	8.1	410.0	399.0
Limit (dB)	45.1	42.1	8.0	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.8	10.0	39.6	39.6
Freq. (MHz)	4.6	5.0	494.0	500.0
Limit (dB)	57.6	56.9	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	9.6	40.7	40.2
Freq. (MHz)	4.6	5.0	495.0	500.0
Limit (dB)	55.1	54.3	-25.7	-26.1

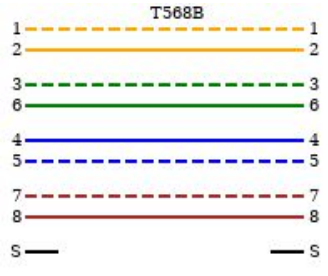
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.0	3.4	7.0	5.0
Freq. (MHz)	63.5	16.6	409.0	466.0
Limit (dB)	14.0	17.9	6.0	6.0

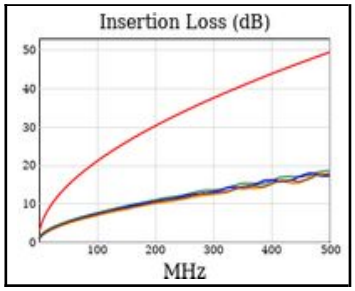
Compliant Network Standards:

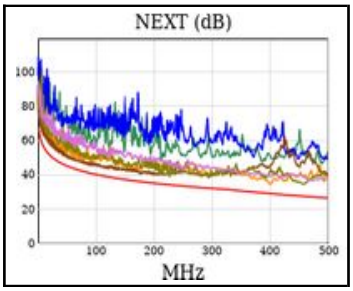
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

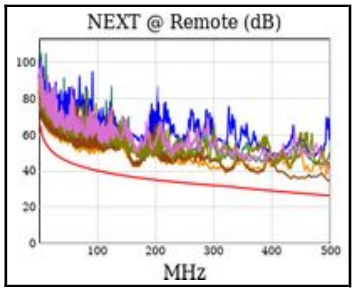


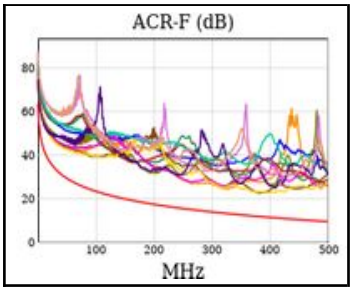
PASS

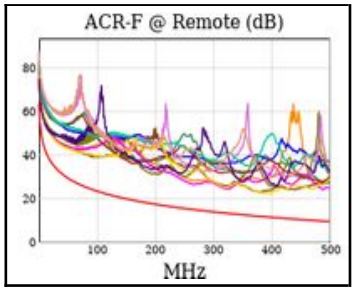


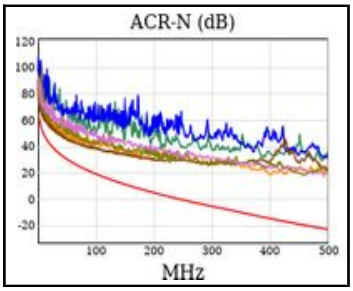


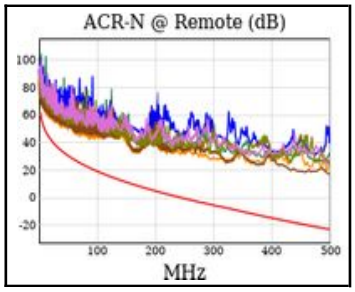


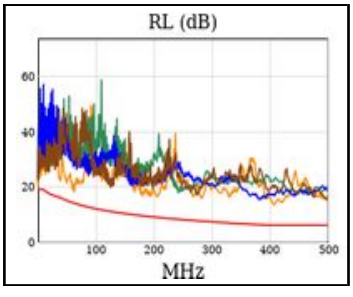


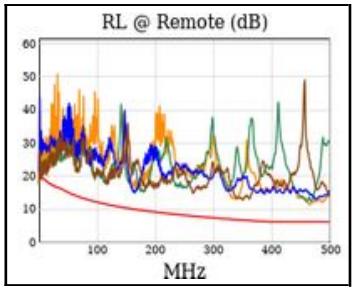












FLUKE networks

LinkWare Live

Cable ID: 134-A

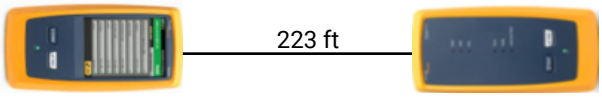
Test Summary: PASS

Date / Time: 11/22/2022 05:39:55 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

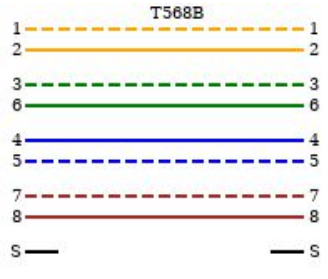
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	223
Prop. Delay (ns), Limit 555	[Pair 3,6]	346
Delay Skew (ns), Limit 50	[Pair 3,6]	13
Resistance (ohms)	[Pair 7,8]	11.4
Insertion Loss Margin (dB)	[Pair 4,5]	16.8
Frequency (MHz)	[Pair 4,5]	478.0
Limit (dB)	[Pair 4,5]	48.1

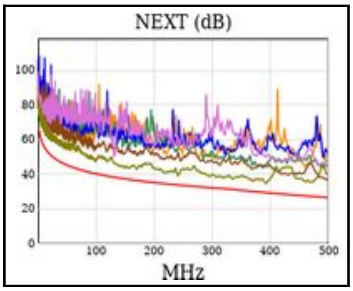


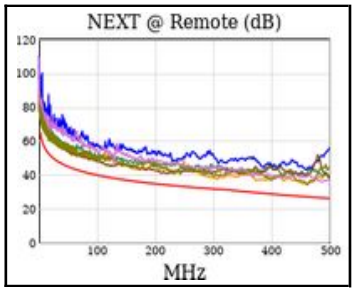
PASS



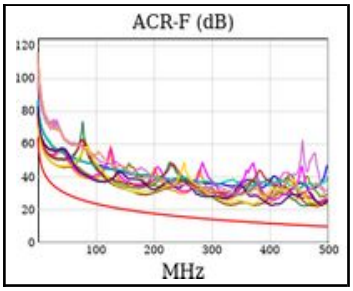


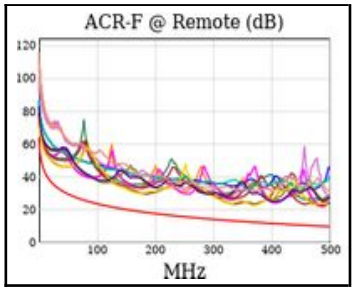
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-7,8
NEXT (dB)	5.1	5.8	5.4	7.1
Freq. (MHz)	242.0	307.0	395.0	461.0
Limit (dB)	33.4	31.6	28.9	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.9	5.9	9.7	6.5
Freq. (MHz)	395.0	232.0	462.0	461.0
Limit (dB)	25.9	30.7	24.1	24.2



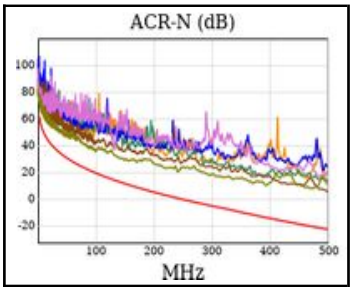


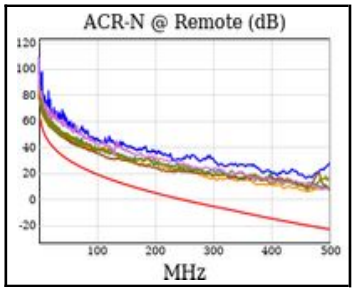
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-F (dB)	9.5	10.1	11.5	12.0
Freq. (MHz)	335.0	369.0	482.0	489.0
Limit (dB)	12.8	11.9	9.6	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.1	11.2	11.8
Freq. (MHz)	331.0	331.0	488.0	488.0
Limit (dB)	9.9	9.9	6.5	6.5



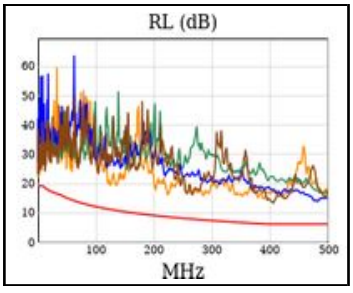


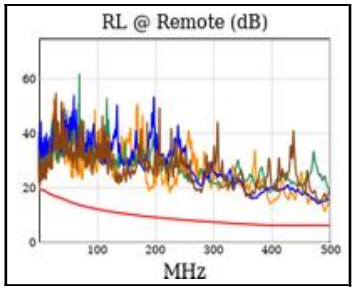
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.5	9.7	27.9	25.7
Freq. (MHz)	6.0	4.4	500.0	461.0
Limit (dB)	55.1	58.1	-23.2	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	8.5	29.2	25.0
Freq. (MHz)	4.4	4.3	500.0	461.0
Limit (dB)	55.6	55.8	-26.1	-23.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.6	4.2	7.1	5.1
Freq. (MHz)	13.0	9.6	407.0	492.0
Limit (dB)	18.4	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 134-B

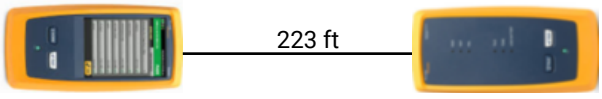
Test Summary: PASS

Date / Time: 11/22/2022 05:43:27 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS MDF

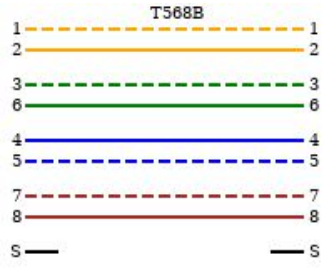
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	223
Prop. Delay (ns), Limit 555	[Pair 3,6]	346
Delay Skew (ns), Limit 50	[Pair 3,6]	13
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 4,5]	18.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3



PASS



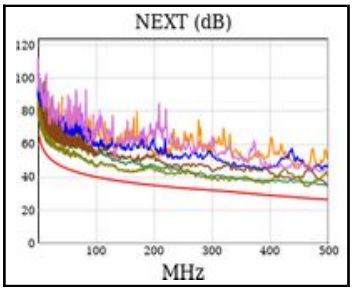
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	5.8	4.7	7.0	6.0
Freq. (MHz)	149.5	135.0	467.0	467.0
Limit (dB)	37.0	37.7	26.9	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.8	4.7	8.4	6.6
Freq. (MHz)	4.4	163.5	500.0	462.0
Limit (dB)	59.9	33.4	23.2	24.1

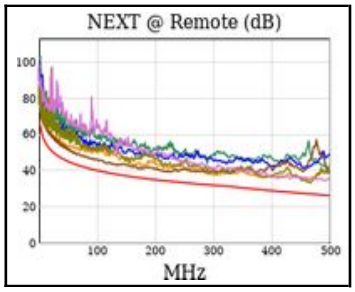
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	9.9	10.6	9.9	11.1
Freq. (MHz)	383.0	376.0	383.0	411.0
Limit (dB)	11.6	11.8	11.6	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.7	12.5	12.9
Freq. (MHz)	3.6	335.0	485.0	495.0
Limit (dB)	49.1	9.8	6.5	6.4

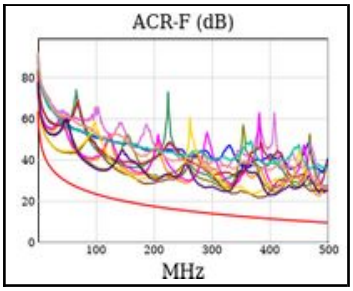
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-7,8
ACR-N (dB)	9.9	8.3	26.8	26.2
Freq. (MHz)	3.0	4.4	500.0	467.0
Limit (dB)	61.4	58.1	-23.2	-20.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.6	8.0	26.5	25.4
Freq. (MHz)	4.4	4.4	500.0	468.0
Limit (dB)	55.6	55.6	-26.1	-23.6

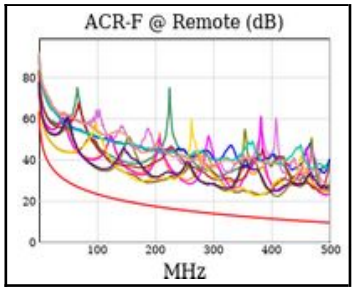
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.7	5.3	7.1	6.7
Freq. (MHz)	13.0	12.9	423.0	476.0
Limit (dB)	18.4	18.5	6.0	6.0

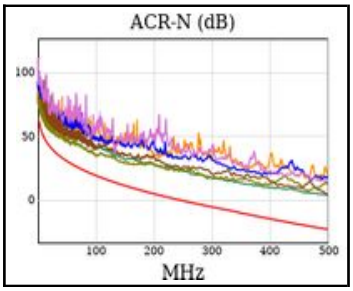


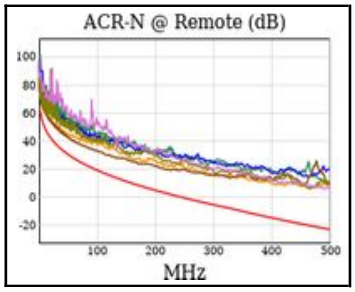


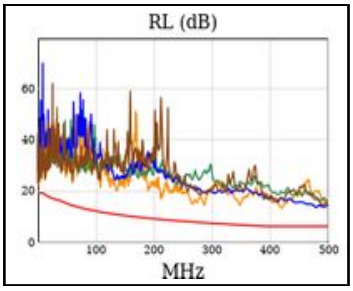


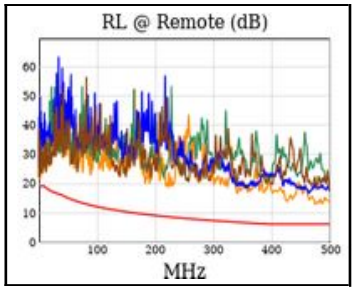












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 133-B

Test Summary: PASS

Date / Time: 11/22/2022 03:10:50 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	171
Prop. Delay (ns), Limit 555	[Pair 3,6]	265
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.8	4.1	7.8	5.6
Freq. (MHz)	159.0	305.0	500.0	414.0
Limit (dB)	36.5	31.6	26.1	28.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.7	4.4	9.4	7.0
Freq. (MHz)	3.9	77.0	499.0	449.0
Limit (dB)	60.8	39.0	23.3	24.5

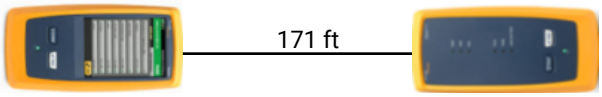
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.5	11.5	11.3
Freq. (MHz)	312.0	310.0	483.0	484.0
Limit (dB)	13.4	13.4	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	13.1	13.5
Freq. (MHz)	2.8	2.6	499.0	484.0
Limit (dB)	51.5	51.9	6.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.2	8.0	32.8	33.9
Freq. (MHz)	3.9	3.8	500.0	494.0
Limit (dB)	59.2	59.5	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	8.0	34.0	33.0
Freq. (MHz)	3.9	3.9	500.0	480.0
Limit (dB)	56.7	56.7	-26.1	-24.5

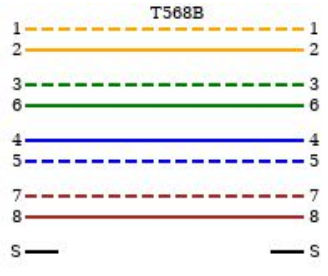
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.2	4.2	6.6	4.2
Freq. (MHz)	121.0	493.0	493.0	493.0
Limit (dB)	11.2	6.0	6.0	6.0

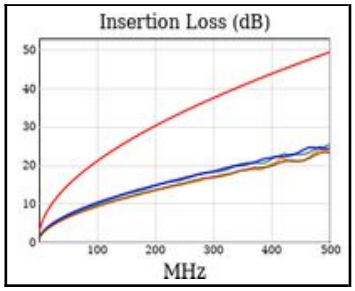
Compliant Network Standards:

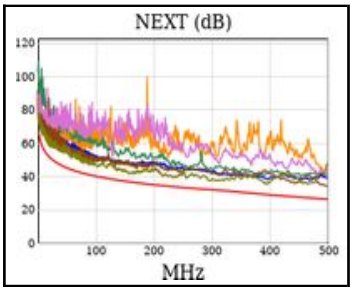
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

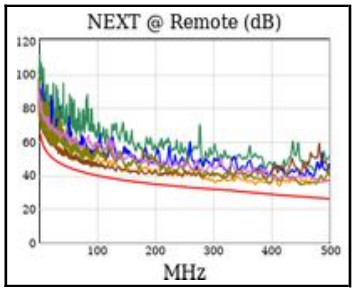


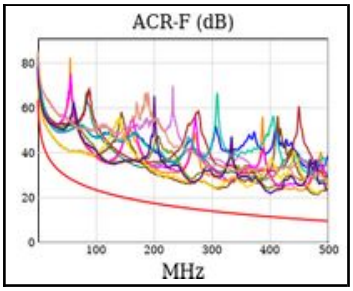
PASS

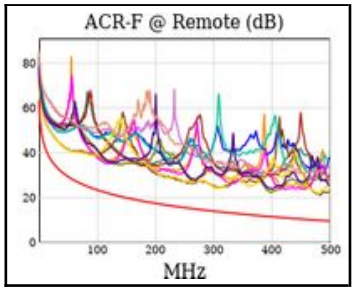


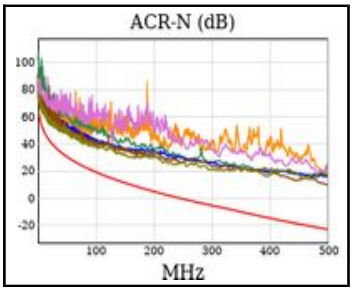


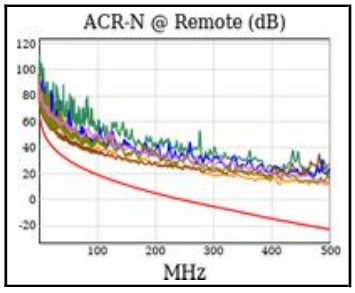


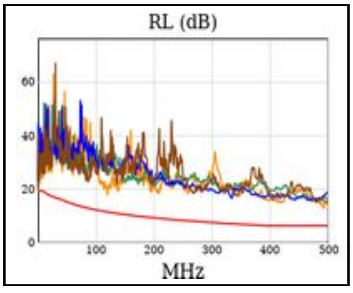


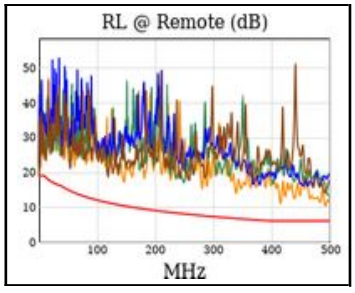












FLUKE networks

LinkWare Live

Cable ID: 134-A

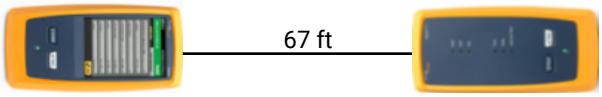
Test Summary: PASS

Date / Time: 11/22/2022 03:19:23 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

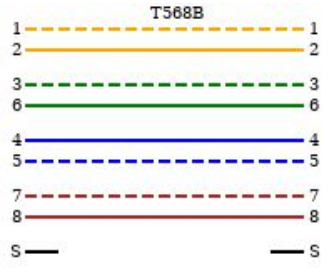
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

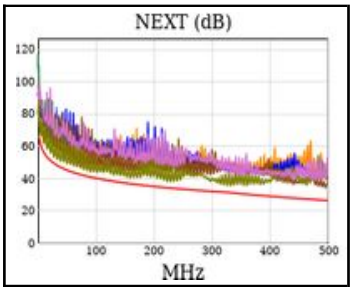
Length (ft), Limit 328	[Pair 1,2]	67
Prop. Delay (ns), Limit 555	[Pair 3,6]	104
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 3,6]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	38.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

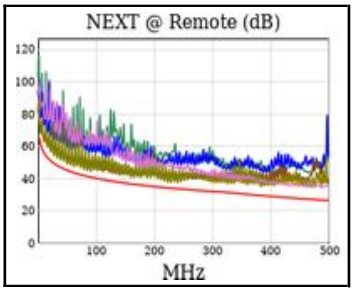


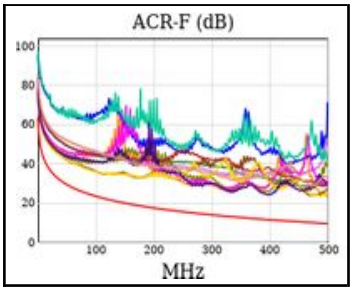
PASS

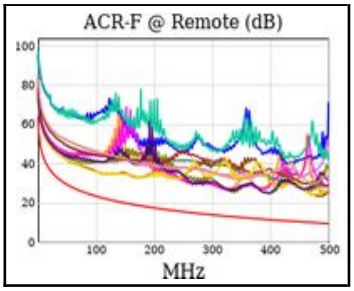


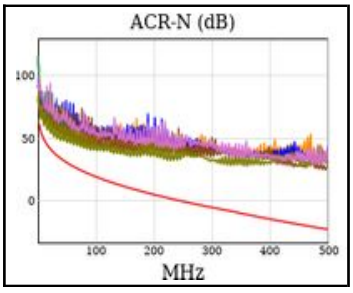


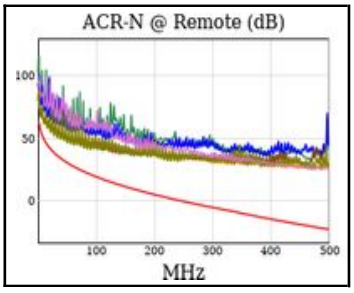


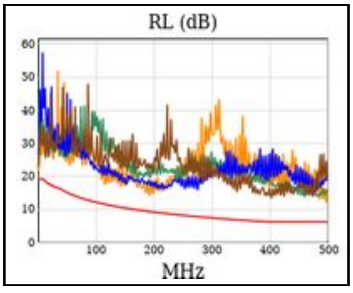


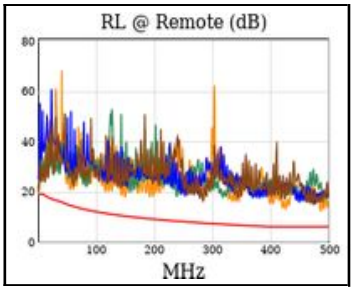












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	3.1	3.5	7.7	7.3
Freq. (MHz)	91.8	229.5	497.0	476.0
Limit (dB)	40.6	33.8	26.2	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	3.7	9.1	7.1
Freq. (MHz)	91.5	229.0	497.0	465.0
Limit (dB)	37.7	30.8	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.9	12.0	13.5	13.4
Freq. (MHz)	5.6	6.8	489.0	490.0
Limit (dB)	48.3	46.7	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	13.8	14.9
Freq. (MHz)	1.4	1.4	488.0	477.0
Limit (dB)	57.5	57.5	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.9	11.0	47.3	45.8
Freq. (MHz)	5.4	5.0	497.0	476.0
Limit (dB)	56.2	56.9	-23.0	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	9.7	47.3	47.4
Freq. (MHz)	5.4	5.4	497.0	498.0
Limit (dB)	53.7	53.7	-25.8	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.9	6.0	5.7	6.0
Freq. (MHz)	193.0	487.0	498.0	487.0
Limit (dB)	9.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 134-B

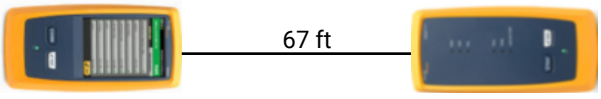
Test Summary: PASS

Date / Time: 11/22/2022 03:19:51 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

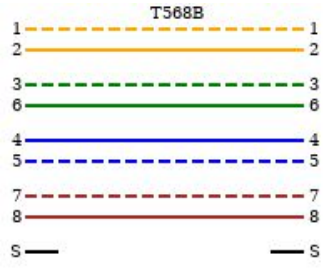
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

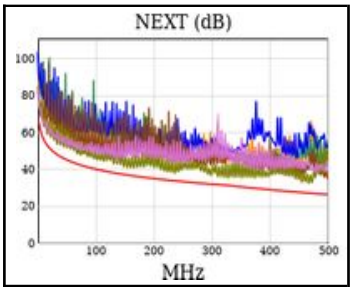
Length (ft), Limit 328	[Pair 1,2]	67
Prop. Delay (ns), Limit 555	[Pair 3,6]	104
Delay Skew (ns), Limit 50	[Pair 3,6]	4
Resistance (ohms)	[Pair 7,8]	4.3
Insertion Loss Margin (dB)	[Pair 3,6]	38.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

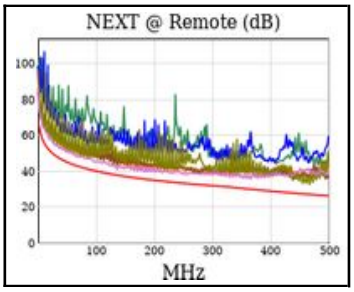


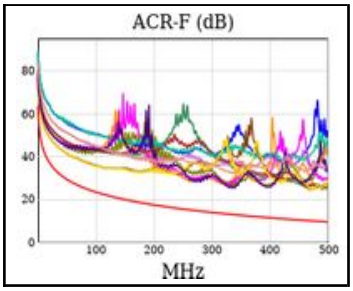
PASS

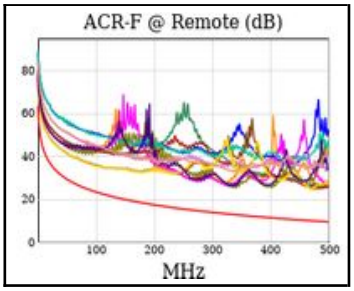


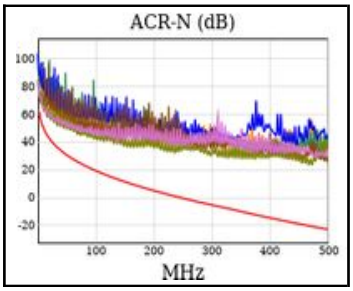


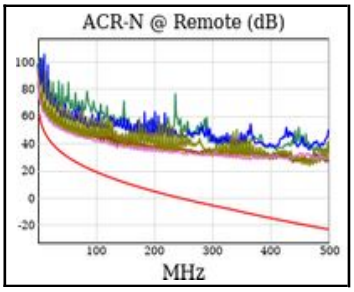


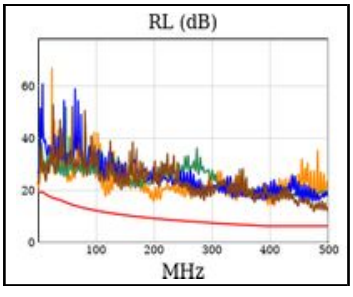


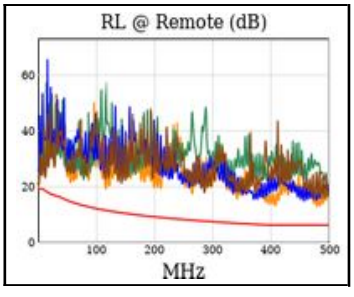












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.7	3.3	5.1	5.4
Freq. (MHz)	329.0	137.0	468.0	467.0
Limit (dB)	31.1	37.6	26.9	26.9
Worst Pair	7,8	4,5	3,6	3,6
PS NEXT (dB)	5.7	4.2	6.6	5.8
Freq. (MHz)	137.5	137.0	456.0	467.0
Limit (dB)	34.7	34.7	24.3	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	11.3	11.4	14.3	14.2
Freq. (MHz)	6.4	11.8	474.0	474.0
Limit (dB)	47.2	41.9	9.7	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.2	15.2	14.9
Freq. (MHz)	1.4	1.4	491.0	473.0
Limit (dB)	57.5	57.5	6.4	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	11.1	11.5	43.9	43.9
Freq. (MHz)	4.5	3.1	473.0	467.0
Limit (dB)	57.8	61.1	-21.1	-20.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	11.0	45.4	43.9
Freq. (MHz)	5.1	5.0	468.0	468.0
Limit (dB)	54.1	54.3	-23.6	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.5	6.5	5.5	6.5
Freq. (MHz)	477.0	480.0	477.0	480.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 135-A

Test Summary: PASS

Date / Time: 12/19/2022 03:35:09 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	271
Prop. Delay (ns), Limit 555	[Pair 4,5]	430
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	16.9
Insertion Loss Margin (dB)	[Pair 3,6]	7.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.8	4.1	10.6	7.7
Freq. (MHz)	3.5	215.5	469.0	484.0
Limit (dB)	64.0	34.2	26.9	26.5
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.2	6.3	10.7	8.4
Freq. (MHz)	3.5	216.0	467.0	494.0
Limit (dB)	61.5	31.3	24.0	23.4

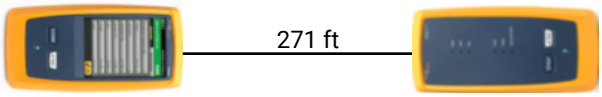
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.7	8.9	9.7	10.0
Freq. (MHz)	143.0	242.5	412.0	412.0
Limit (dB)	20.2	15.6	11.0	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.1	9.0	10.9	11.1
Freq. (MHz)	242.5	242.5	411.0	407.0
Limit (dB)	12.6	12.6	8.0	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	6.9	8.3	18.6	15.8
Freq. (MHz)	3.5	3.5	478.0	494.0
Limit (dB)	60.1	60.1	-21.5	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.2	8.5	18.3	15.2
Freq. (MHz)	3.5	3.5	469.0	484.0
Limit (dB)	57.6	57.6	-23.6	-24.8

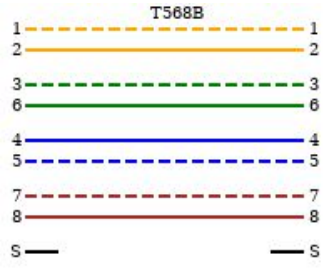
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.6	4.2	7.5	7.9
Freq. (MHz)	5.6	5.6	469.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

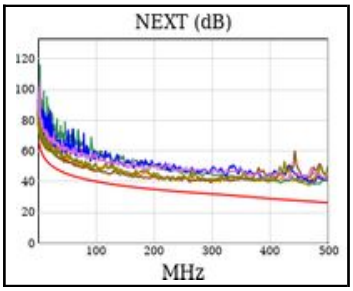
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

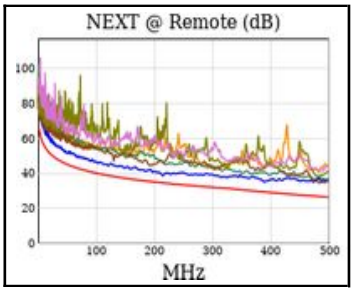


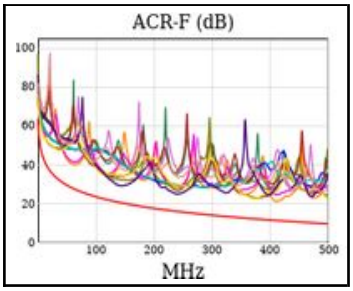
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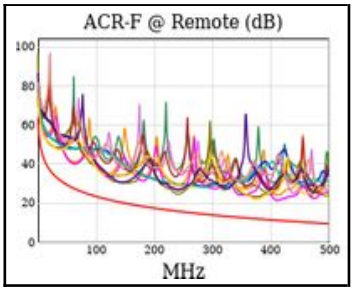


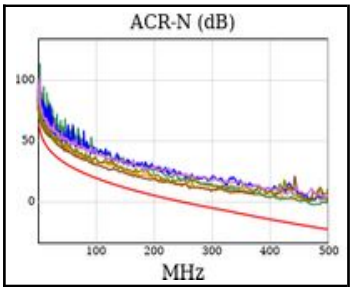


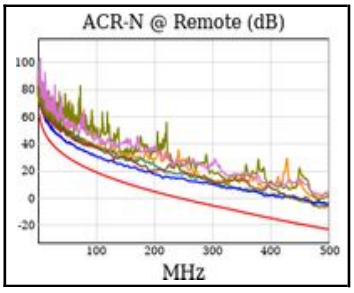


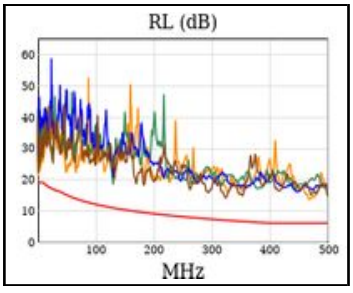


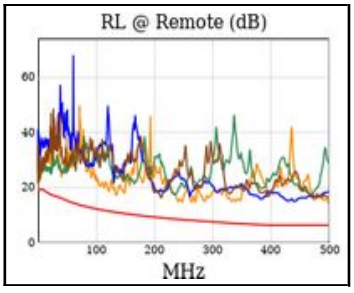












FLUKE networks

LinkWare Live

Cable ID: 135-B

Test Summary: PASS

Date / Time: 12/19/2022 03:35:26 PM
Headroom: 6.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	271
Prop. Delay (ns), Limit 555	[Pair 4,5]	430
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	21.2
Insertion Loss Margin (dB)	[Pair 3,6]	7.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	6.3	7.6	10.0	7.6
Freq. (MHz)	3.5	497.0	462.0	497.0
Limit (dB)	64.0	26.2	27.0	26.2
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.4	8.1	10.4	8.3
Freq. (MHz)	225.0	482.0	463.0	497.0
Limit (dB)	31.0	23.7	24.1	23.3

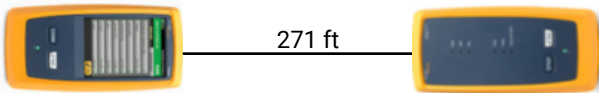
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	8.8	10.2	8.8	10.8
Freq. (MHz)	478.0	248.0	478.0	492.0
Limit (dB)	9.7	15.4	9.7	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.9	10.1	8.9	10.9
Freq. (MHz)	478.0	248.5	478.0	476.0
Limit (dB)	6.7	12.4	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.4	9.3	20.2	15.8
Freq. (MHz)	3.5	3.5	500.0	500.0
Limit (dB)	60.1	60.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	7.8	9.7	19.8	16.4
Freq. (MHz)	3.5	3.6	500.0	500.0
Limit (dB)	57.6	57.3	-26.1	-26.1

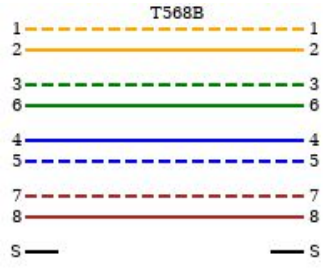
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	5.4	2.7	7.3	6.9
Freq. (MHz)	9.4	3.9	495.0	488.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

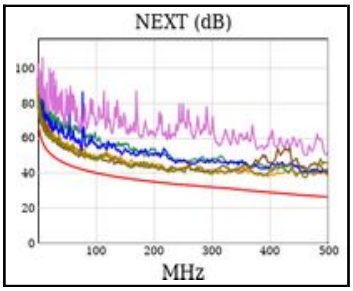
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

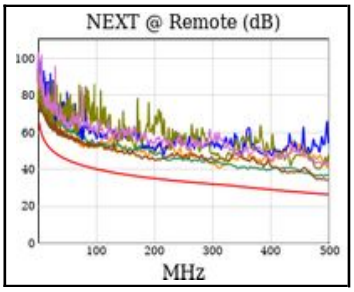


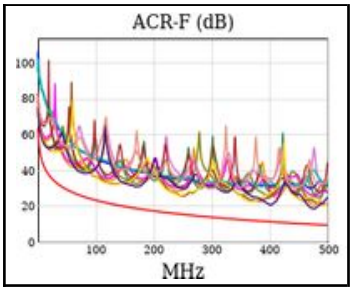
PASS

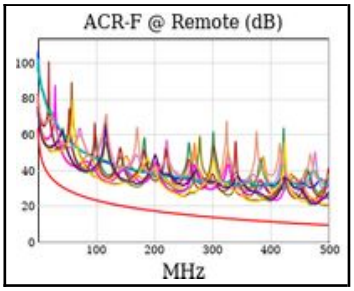


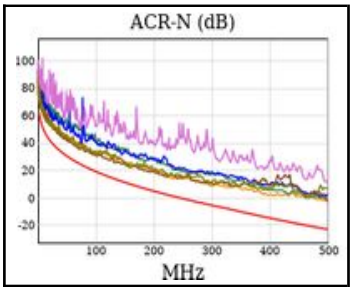


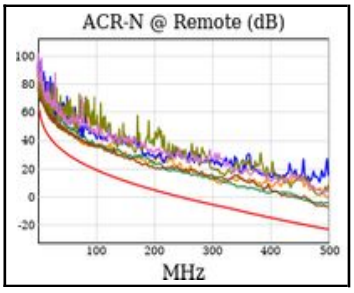


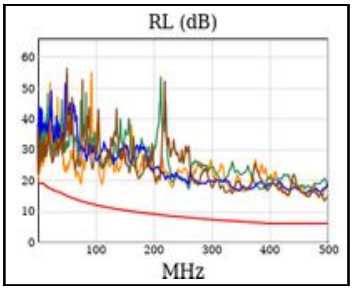


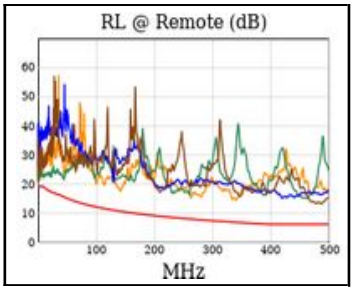












FLUKE networks

LinkWare Live

Cable ID: 136-A

Test Summary: PASS

Date / Time: 12/19/2022 03:38:16 PM
Headroom: 6.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	274
Prop. Delay (ns), Limit 555	[Pair 4,5]	437
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	21.8
Insertion Loss Margin (dB)	[Pair 3,6]	6.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-4,5	3,6-4,5
NEXT (dB)	6.5	7.8	10.0	7.8
Freq. (MHz)	217.5	480.0	485.0	480.0
Limit (dB)	34.2	26.6	26.5	26.6
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	6.0	8.5	10.2	8.9
Freq. (MHz)	159.5	480.0	485.0	500.0
Limit (dB)	33.6	23.7	23.6	23.2

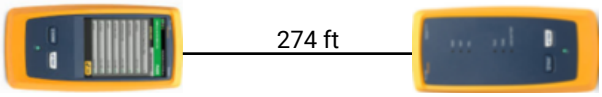
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	7,8-3,6
ACR-F (dB)	10.2	10.3	11.8	11.2
Freq. (MHz)	7.3	2.5	500.0	492.0
Limit (dB)	46.1	55.3	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	10.7	10.8
Freq. (MHz)	1.4	389.0	389.0	491.0
Limit (dB)	57.5	8.5	8.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.9	9.6	17.1	15.2
Freq. (MHz)	3.5	3.4	490.0	500.0
Limit (dB)	60.1	60.4	-22.4	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	7.5	9.4	18.5	15.7
Freq. (MHz)	3.5	3.5	500.0	500.0
Limit (dB)	57.6	57.6	-26.1	-26.1

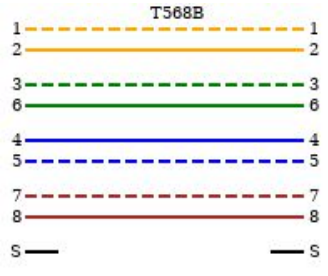
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.3	1.9	7.7	4.7
Freq. (MHz)	66.5	8.5	481.0	280.0
Limit (dB)	13.8	19.0	6.0	7.5

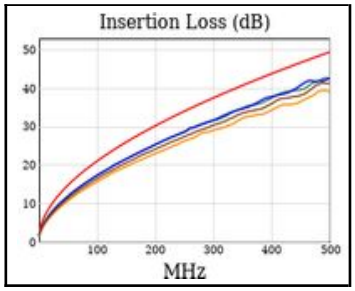
Compliant Network Standards:

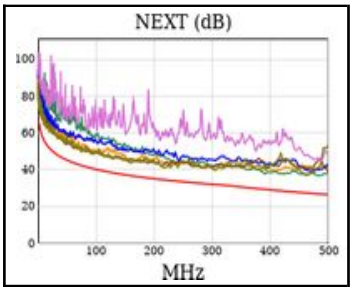
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

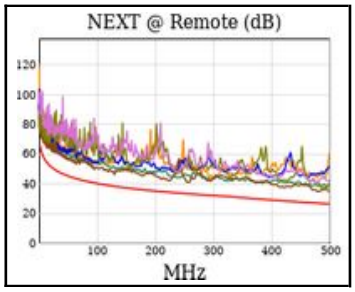


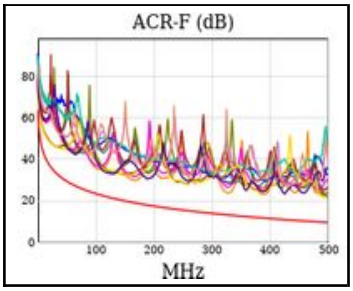
PASS

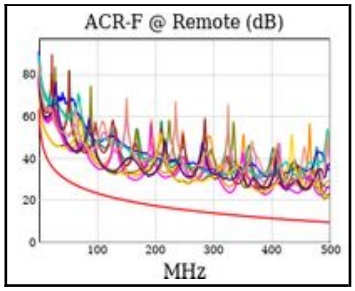


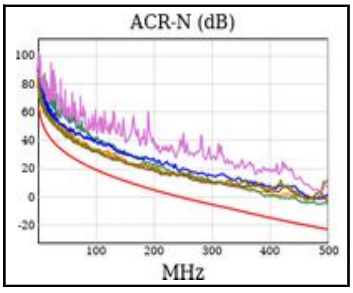


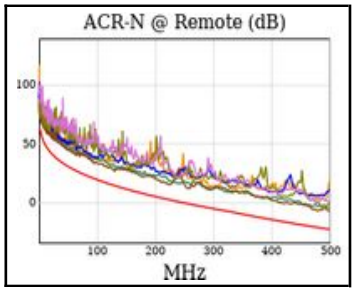


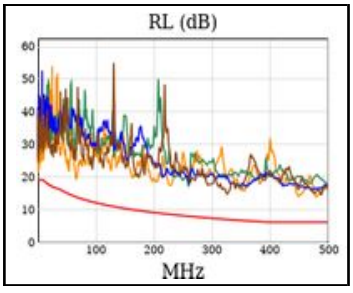


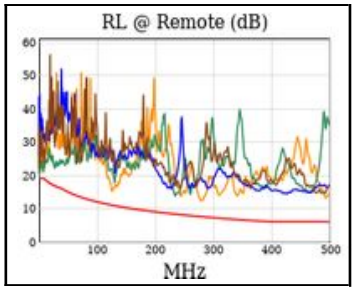












FLUKE networks

LinkWare Live

Cable ID: 136-B

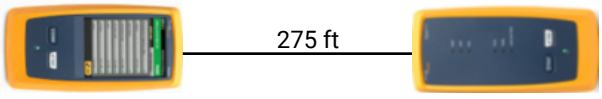
Test Summary: PASS

Date / Time: 12/19/2022 03:38:37 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

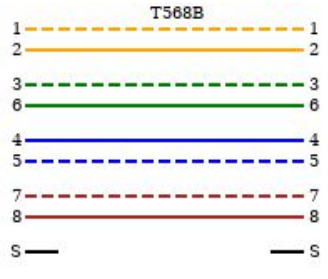
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

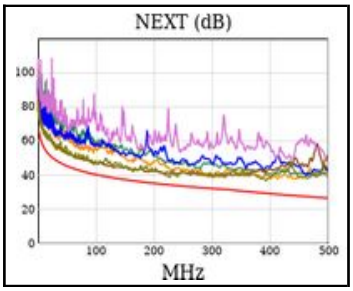
Length (ft), Limit 328	[Pair 1,2]	275
Prop. Delay (ns), Limit 555	[Pair 4,5]	437
Delay Skew (ns), Limit 50	[Pair 4,5]	27
Resistance (ohms)	[Pair 3,6]	16.0
Insertion Loss Margin (dB)	[Pair 3,6]	7.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

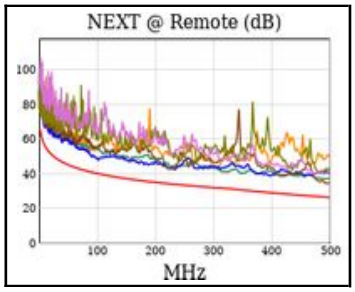


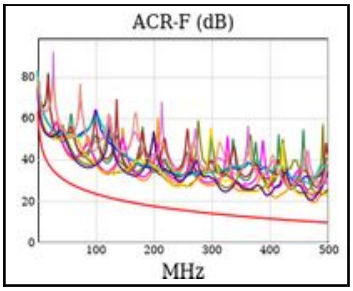
PASS

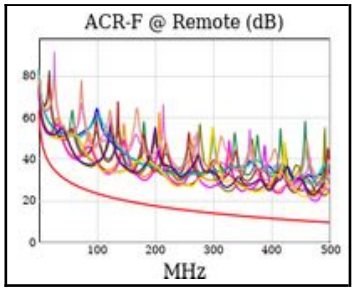


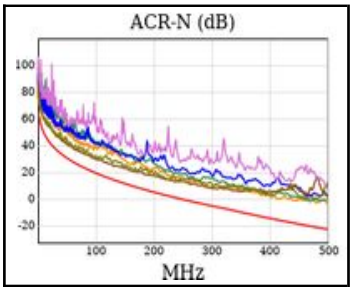


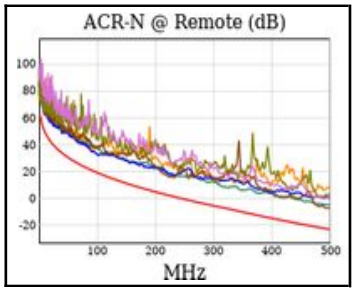


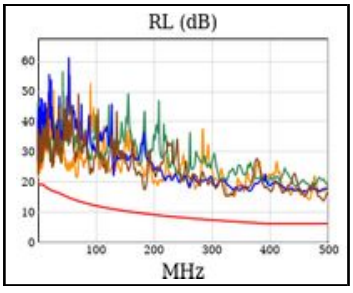


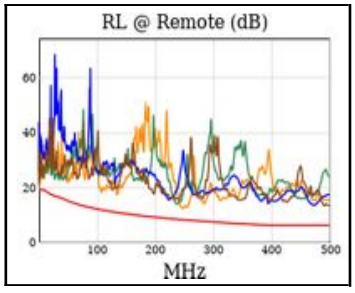












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.5	7.8	7.3	7.9
Freq. (MHz)	228.5	102.5	394.0	496.0
Limit (dB)	33.8	39.7	28.9	26.2
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.8	8.3	7.5	8.3
Freq. (MHz)	228.5	495.0	394.0	495.0
Limit (dB)	30.8	23.3	26.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.2	9.9	9.2	9.9
Freq. (MHz)	475.0	475.0	475.0	475.0
Limit (dB)	9.7	9.7	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.1	9.4	9.1	10.9
Freq. (MHz)	474.0	2.8	474.0	475.0
Limit (dB)	6.7	51.5	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	10.7	19.1	15.5
Freq. (MHz)	3.4	3.5	500.0	500.0
Limit (dB)	60.4	60.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.0	11.4	18.5	16.0
Freq. (MHz)	4.6	3.5	482.0	500.0
Limit (dB)	55.1	57.6	-24.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.0	4.0	7.6	4.3
Freq. (MHz)	7.9	9.3	494.0	249.5
Limit (dB)	19.0	19.0	6.0	8.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 137-A-2

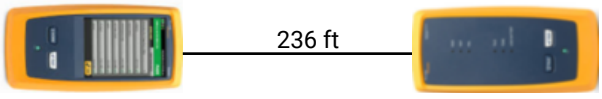
Test Summary: PASS

Date / Time: 12/19/2022 03:42:26 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

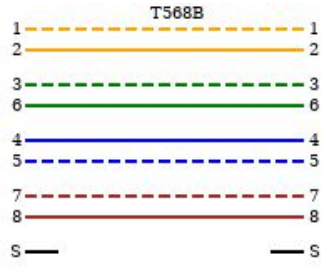
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

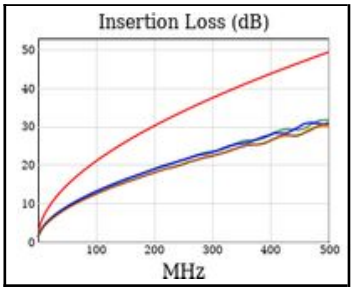
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

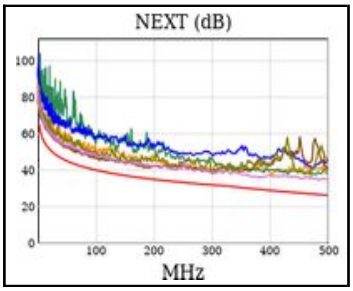
Length (ft), Limit 328	[Pair 7,8]	236
Prop. Delay (ns), Limit 555	[Pair 4,5]	366
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	16.0
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

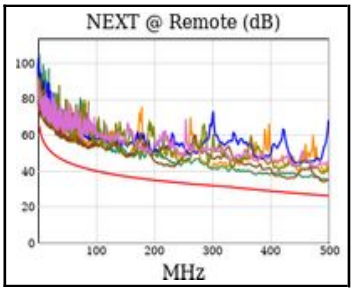


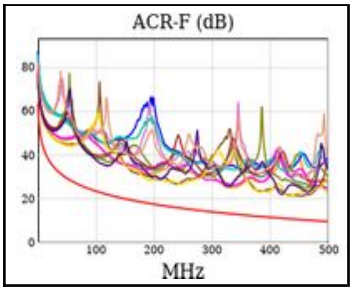
PASS

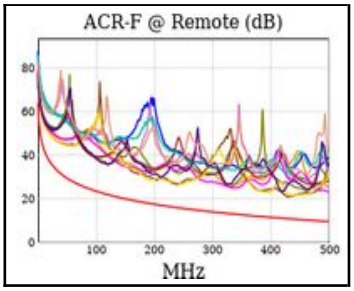


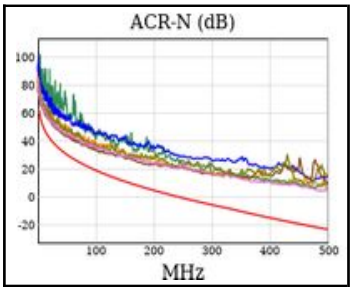


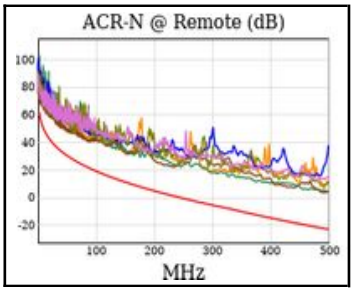


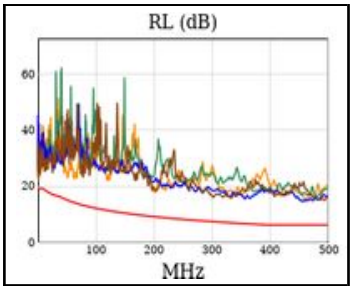


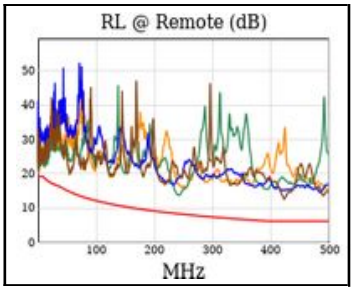












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
NEXT (dB)	5.6	7.7	8.2	7.7
Freq. (MHz)	183.5	493.0	487.0	493.0
Limit (dB)	35.4	26.3	26.4	26.3
Worst Pair	3,6	4,5	4,5	4,5
PS NEXT (dB)	5.1	8.0	9.3	8.1
Freq. (MHz)	302.0	494.0	489.0	495.0
Limit (dB)	28.7	23.4	23.5	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.0	10.8	10.0
Freq. (MHz)	436.0	430.0	453.0	430.0
Limit (dB)	10.5	10.6	10.1	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.2	12.2	12.4
Freq. (MHz)	194.5	9.0	469.0	469.0
Limit (dB)	14.5	41.2	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	8.3	9.3	26.5	26.1
Freq. (MHz)	2.8	2.8	488.0	493.0
Limit (dB)	61.5	61.5	-22.3	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.7	10.6	28.1	25.6
Freq. (MHz)	2.8	2.9	500.0	492.0
Limit (dB)	58.5	58.4	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	4,5	7,8
RL (dB)	6.4	3.1	8.4	6.4
Freq. (MHz)	12.1	11.6	457.0	424.0
Limit (dB)	18.6	18.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 137-B-2

Test Summary: PASS

Date / Time: 12/19/2022 03:42:50 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	235
Prop. Delay (ns), Limit 555	[Pair 4,5]	364
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	15.9
Insertion Loss Margin (dB)	[Pair 3,6]	17.1
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.1	6.7	8.8	10.4
Freq. (MHz)	217.5	2.8	493.0	500.0
Limit (dB)	34.2	65.0	26.3	26.1
Worst Pair	3,6	1,2	1,2	4,5
PS NEXT (dB)	4.7	8.3	9.6	9.4
Freq. (MHz)	219.0	324.0	493.0	484.0
Limit (dB)	31.2	28.2	23.4	23.6

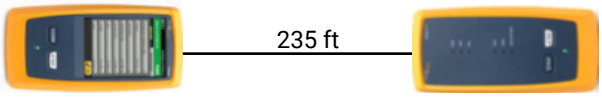
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.3	11.5	10.9
Freq. (MHz)	203.0	203.0	398.0	386.0
Limit (dB)	17.1	17.1	11.3	11.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.0	10.9	12.2	11.6
Freq. (MHz)	6.4	3.1	386.0	384.0
Limit (dB)	44.2	50.4	8.5	8.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	8.2	26.0	28.9
Freq. (MHz)	5.5	2.8	493.0	500.0
Limit (dB)	56.0	61.5	-22.7	-23.2
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	7.9	9.6	28.3	27.5
Freq. (MHz)	4.0	2.8	493.0	488.0
Limit (dB)	56.4	58.5	-25.5	-25.1

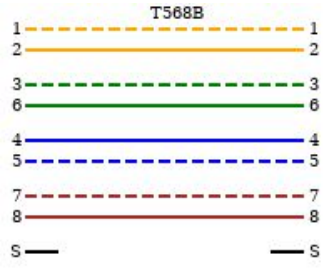
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	6.8	3.3	8.6	6.6
Freq. (MHz)	6.4	11.8	496.0	498.0
Limit (dB)	19.0	18.6	6.0	6.0

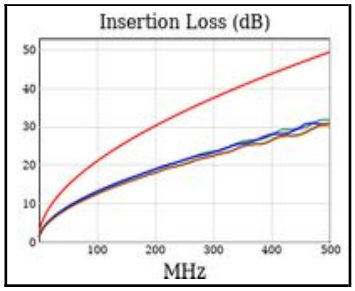
Compliant Network Standards:

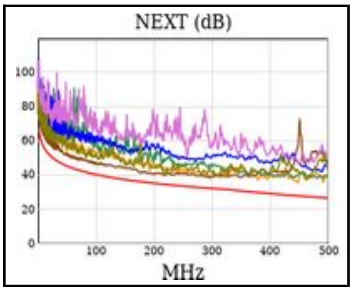
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

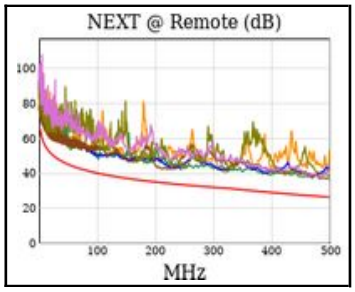


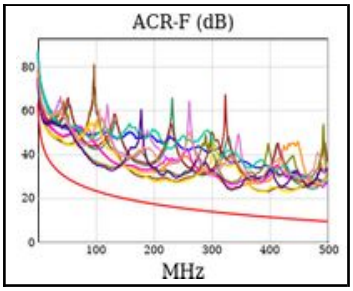
PASS

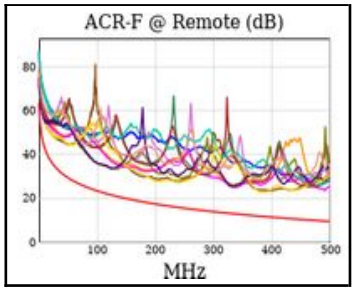


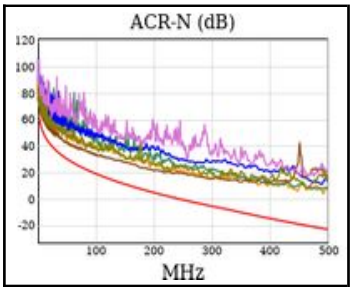


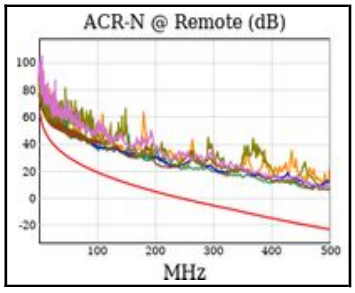


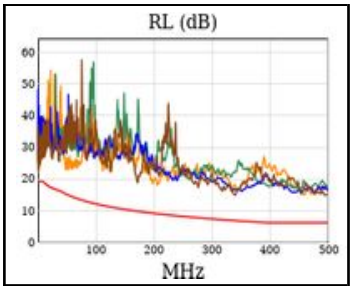


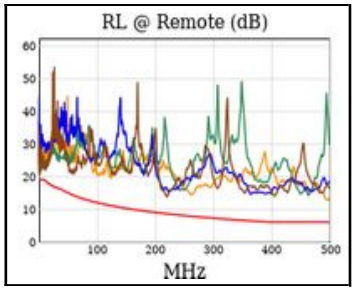












FLUKE networks

LinkWare Live

Cable ID: 138-A

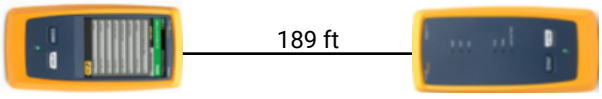
Test Summary: PASS

Date / Time: 11/27/2022 04:27:34 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

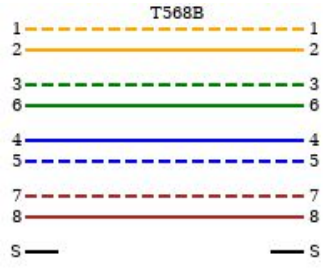
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

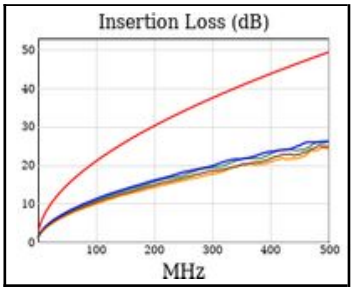
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

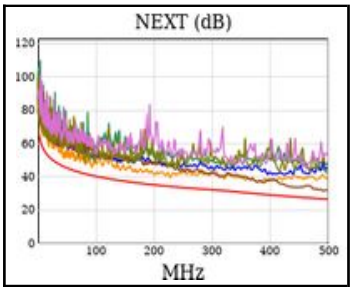
Length (ft), Limit 328	[Pair 1,2]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	300
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

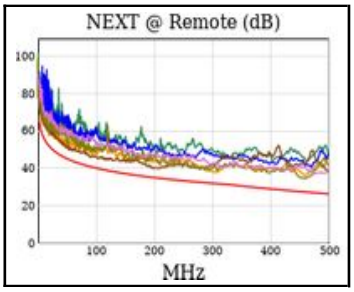


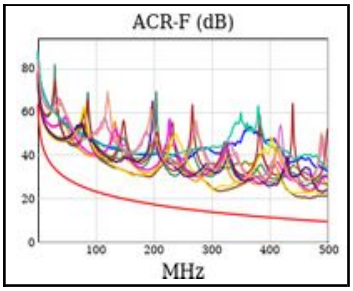
PASS

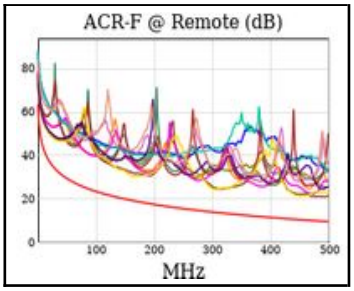


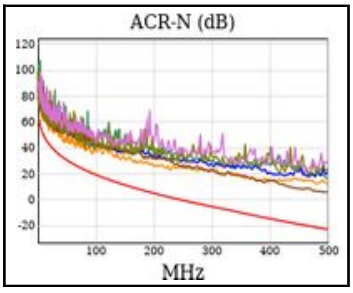


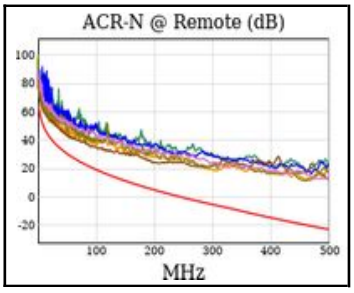


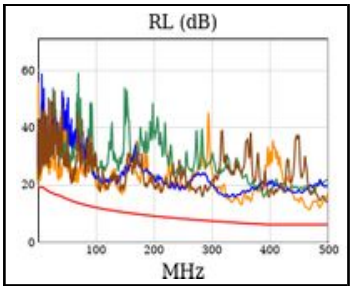


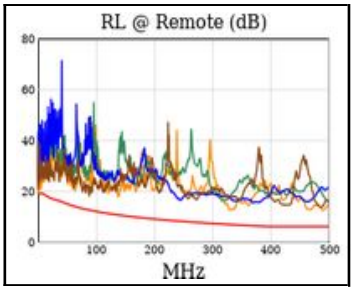












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.7	4.6	4.9	7.2
Freq. (MHz)	93.5	199.5	492.0	460.0
Limit (dB)	40.4	34.8	26.3	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	4.5	7.2	7.4
Freq. (MHz)	20.1	20.3	495.0	460.0
Limit (dB)	48.9	48.9	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	10.5	10.1	11.4
Freq. (MHz)	316.0	307.0	468.0	495.0
Limit (dB)	13.3	13.5	9.9	9.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.2	11.2	11.7	11.3
Freq. (MHz)	5.6	5.8	468.0	477.0
Limit (dB)	45.3	45.1	6.9	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	9.9	9.0	28.2	31.0
Freq. (MHz)	7.1	9.1	495.0	460.0
Limit (dB)	53.5	51.0	-22.8	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	8.8	30.0	30.5
Freq. (MHz)	3.6	3.5	495.0	461.0
Limit (dB)	57.3	57.6	-25.7	-23.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.2	5.0	5.2	5.5
Freq. (MHz)	469.0	10.0	469.0	333.0
Limit (dB)	6.0	19.0	6.0	6.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 135-A

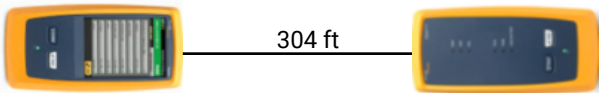
Test Summary: PASS

Date / Time: 12/11/2022 02:11:26 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

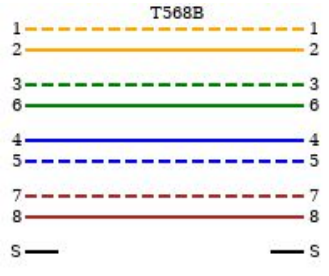
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

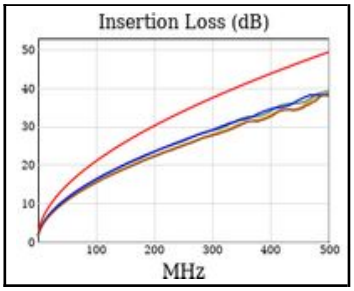
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

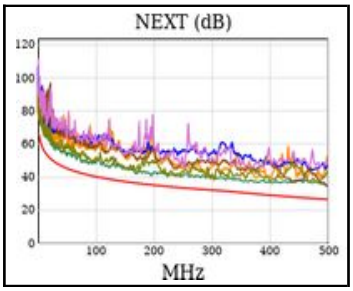
Length (ft), Limit 328	[Pair 7,8]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	471
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	16.6
Insertion Loss Margin (dB)	[Pair 3,6]	10.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

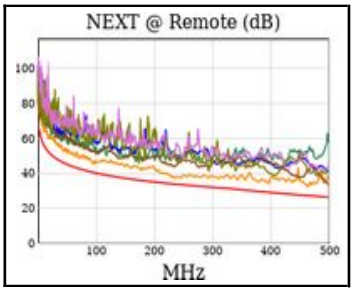


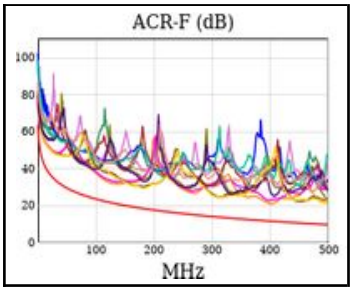
PASS

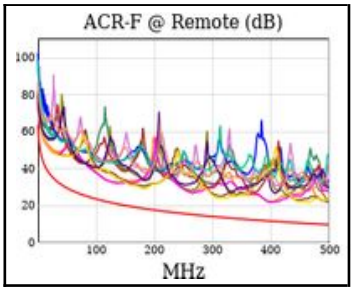


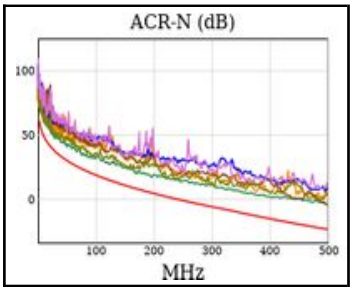


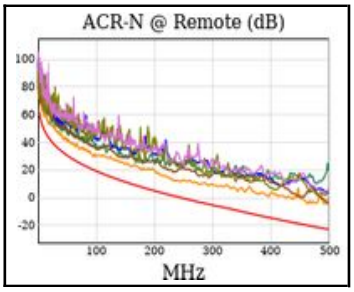


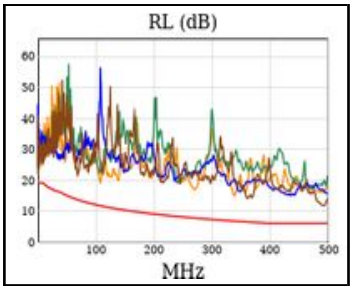


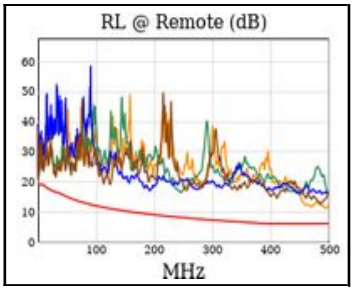












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	5.5	3.6	8.3	4.8
Freq. (MHz)	196.5	237.5	499.0	464.0
Limit (dB)	34.9	33.5	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.4	5.5	8.0	7.7
Freq. (MHz)	239.0	237.5	499.0	496.0
Limit (dB)	30.5	30.5	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-F (dB)	9.3	10.2	9.3	11.2
Freq. (MHz)	403.0	401.0	403.0	463.0
Limit (dB)	11.2	11.2	11.2	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.8	11.8	11.9
Freq. (MHz)	403.0	166.0	497.0	499.0
Limit (dB)	8.2	15.9	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
ACR-N (dB)	9.6	9.3	19.2	15.4
Freq. (MHz)	30.0	11.4	500.0	464.0
Limit (dB)	37.5	48.8	-23.2	-20.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.5	9.3	18.9	17.7
Freq. (MHz)	3.1	3.3	499.0	496.0
Limit (dB)	58.3	58.2	-26.0	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.6	4.4	5.7	5.1
Freq. (MHz)	8.1	10.4	495.0	495.0
Limit (dB)	19.0	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 135-B

Test Summary: PASS

Date / Time: 12/11/2022 02:12:11 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	302
Prop. Delay (ns), Limit 555	[Pair 4,5]	470
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	10.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.6	2.5	7.6	5.0
Freq. (MHz)	500.0	234.0	500.0	471.0
Limit (dB)	26.1	33.6	26.1	26.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.8	4.6	9.4	7.7
Freq. (MHz)	9.0	234.0	500.0	500.0
Limit (dB)	54.8	30.7	23.2	23.2

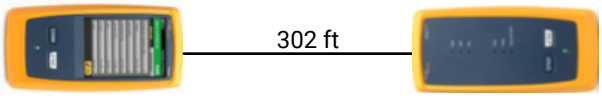
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.4	9.7	9.6
Freq. (MHz)	448.0	444.0	448.0	458.0
Limit (dB)	10.2	10.3	10.2	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.5	10.6	11.7
Freq. (MHz)	2.6	1.3	490.0	494.0
Limit (dB)	51.9	58.3	6.5	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.8	7.0	18.5	16.3
Freq. (MHz)	3.1	10.1	500.0	500.0
Limit (dB)	61.1	50.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	8.6	19.8	17.9
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1

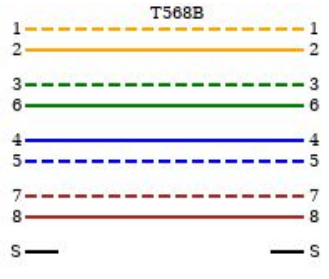
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.0	4.3	7.7	4.3
Freq. (MHz)	4.9	483.0	475.0	483.0
Limit (dB)	19.0	6.0	6.0	6.0

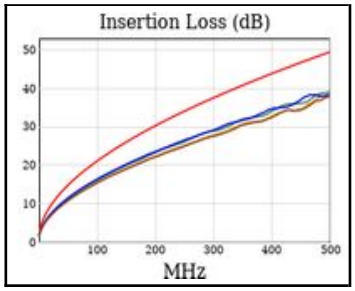
Compliant Network Standards:

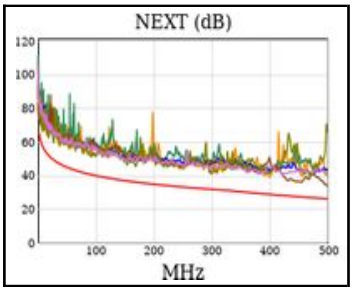
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

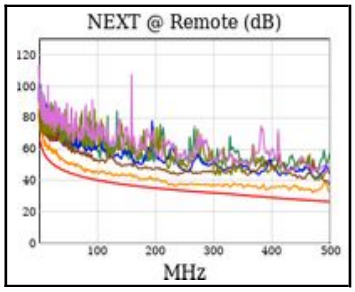


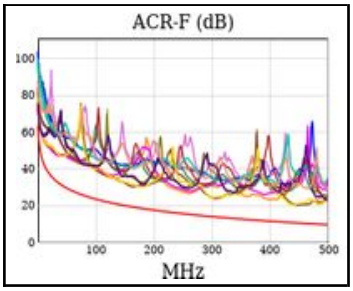
PASS

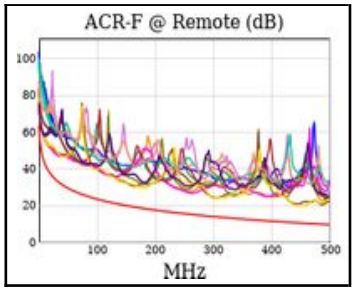


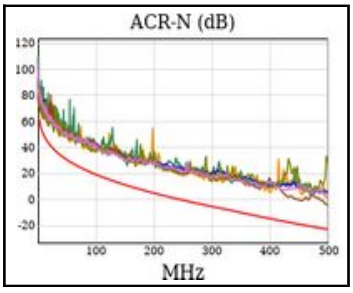


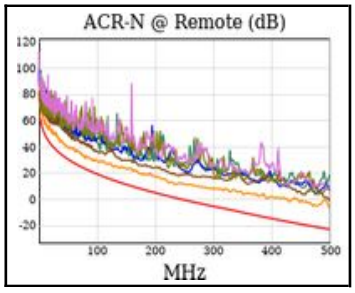


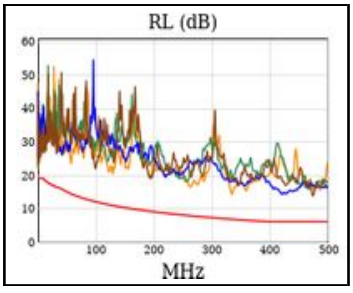


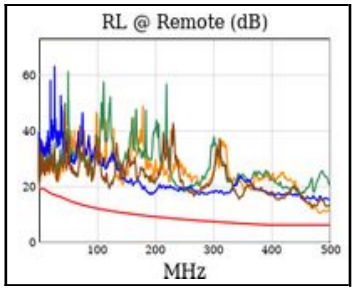












FLUKE networks

LinkWare Live

Cable ID: 139-A

Test Summary: PASS

Date / Time: 12/11/2022 02:15:46 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	240
Prop. Delay (ns), Limit 555	[Pair 4,5]	373
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	8.2	2.4	8.6	4.3
Freq. (MHz)	313.0	229.0	500.0	404.0
Limit (dB)	31.4	33.8	26.1	28.6
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	9.4	4.8	10.4	6.3
Freq. (MHz)	319.0	221.0	497.0	404.0
Limit (dB)	28.3	31.1	23.3	25.7

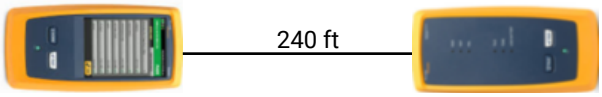
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.2	11.1	10.2
Freq. (MHz)	387.0	388.0	434.0	388.0
Limit (dB)	11.5	11.5	10.5	11.5
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	10.8	11.8	10.9	14.1
Freq. (MHz)	426.0	7.5	427.0	488.0
Limit (dB)	7.7	42.8	7.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.1	8.9	27.3	27.2
Freq. (MHz)	7.0	7.0	500.0	490.0
Limit (dB)	53.7	53.7	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.4	28.8	27.6
Freq. (MHz)	2.8	4.0	500.0	493.0
Limit (dB)	58.5	56.4	-26.1	-25.5

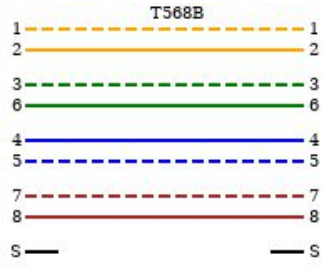
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.0	4.8	7.8	4.8
Freq. (MHz)	9.1	500.0	491.0	500.0
Limit (dB)	19.0	6.0	6.0	6.0

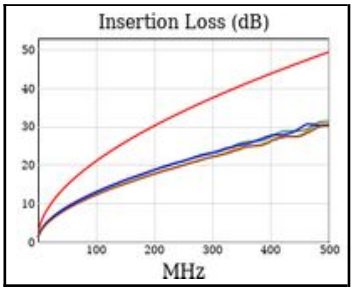
Compliant Network Standards:

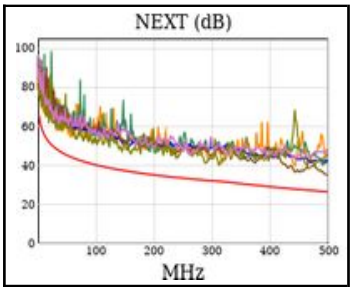
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

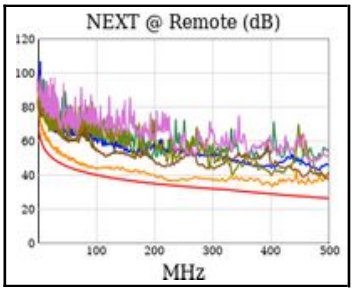


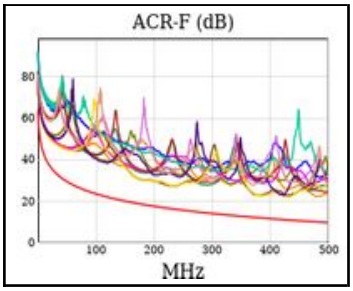
PASS

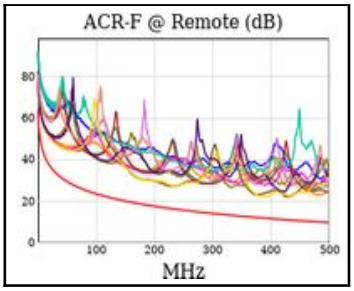


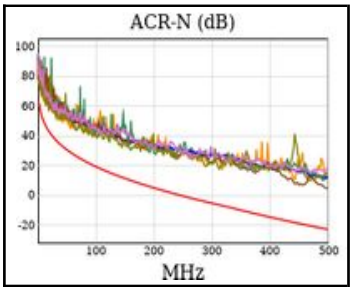


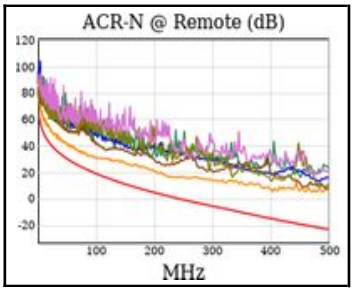


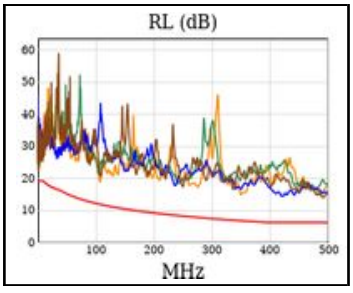


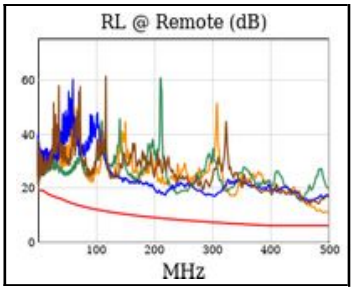












FLUKE networks

LinkWare Live

Cable ID: 138-A

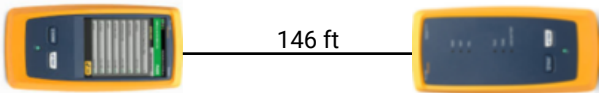
Test Summary: PASS

Date / Time: 12/03/2022 05:40:08 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

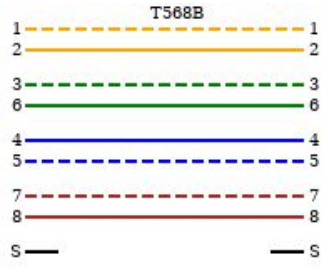
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

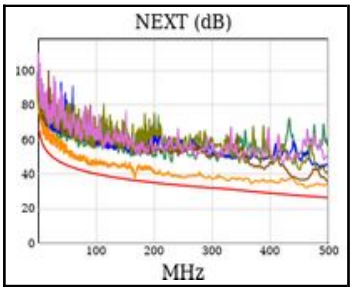
Length (ft), Limit 328	[Pair 7,8]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	227
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	27.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

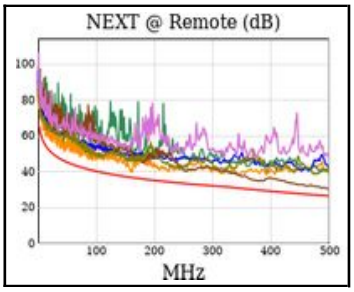


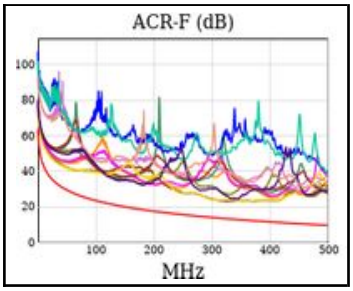
PASS

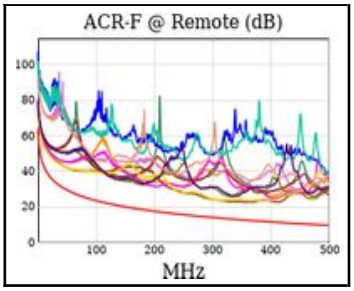


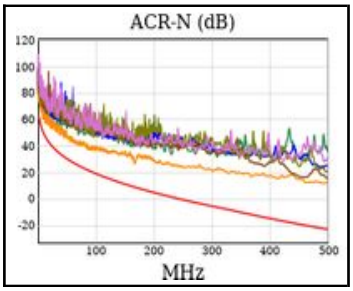


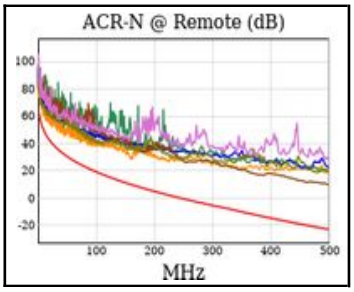


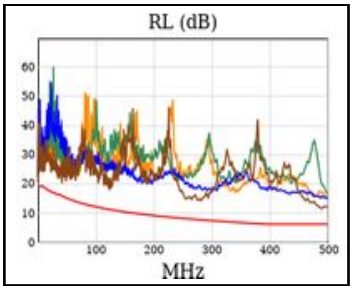


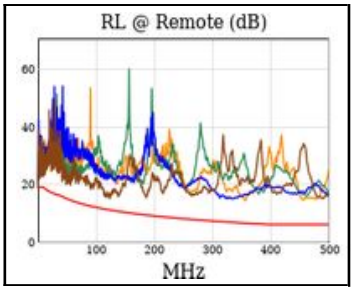












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.4	2.9	4.9	3.9
Freq. (MHz)	168.0	163.0	463.0	499.0
Limit (dB)	36.1	36.3	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	4.5	6.5	6.0
Freq. (MHz)	168.0	160.5	463.0	499.0
Limit (dB)	33.2	33.5	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.6	9.6	10.7	11.2
Freq. (MHz)	327.0	328.0	370.0	415.0
Limit (dB)	13.0	12.9	11.9	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.6	10.7	12.1
Freq. (MHz)	347.0	335.0	347.0	415.0
Limit (dB)	9.5	9.8	9.5	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	9.9	34.2	32.8
Freq. (MHz)	9.4	9.5	495.0	500.0
Limit (dB)	50.8	50.6	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.7	10.9	35.3	33.6
Freq. (MHz)	4.6	4.6	500.0	499.0
Limit (dB)	55.1	55.1	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.4	3.9	5.4	7.7
Freq. (MHz)	42.3	124.5	489.0	357.0
Limit (dB)	15.7	11.0	6.0	6.5

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 138-B

Test Summary: PASS

Date / Time: 12/03/2022 05:37:17 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	230
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.8	5.1	6.6	5.2
Freq. (MHz)	248.0	219.0	500.0	500.0
Limit (dB)	33.2	34.1	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	6.5	7.0	7.3
Freq. (MHz)	248.0	231.0	500.0	500.0
Limit (dB)	30.2	30.8	23.2	23.2

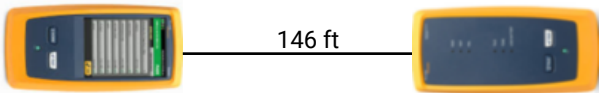
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.3	10.5	10.7
Freq. (MHz)	441.0	439.0	497.0	487.0
Limit (dB)	10.4	10.4	9.3	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.1	11.3
Freq. (MHz)	495.0	253.0	495.0	479.0
Limit (dB)	6.4	12.2	6.4	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.2	9.3	36.4	35.0
Freq. (MHz)	4.8	4.9	500.0	500.0
Limit (dB)	57.3	57.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.5	35.6	35.9
Freq. (MHz)	4.8	4.6	500.0	500.0
Limit (dB)	54.8	55.1	-26.1	-26.1

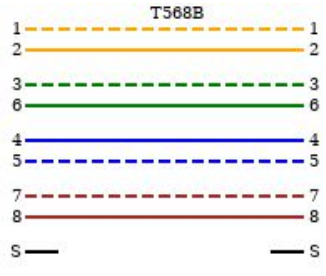
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.2	2.0	7.0	7.2
Freq. (MHz)	42.0	116.0	490.0	468.0
Limit (dB)	15.8	11.4	6.0	6.0

Compliant Network Standards:

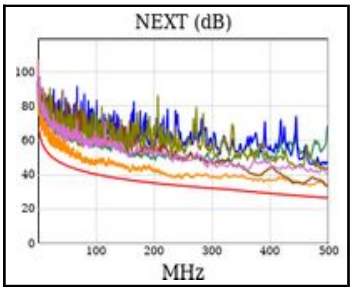
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

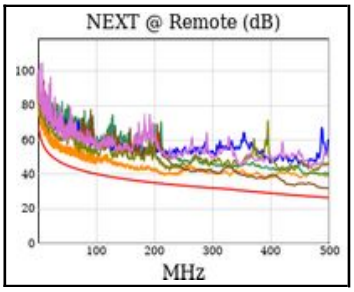


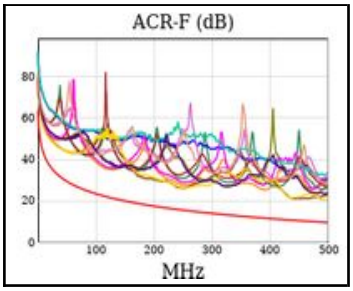
PASS

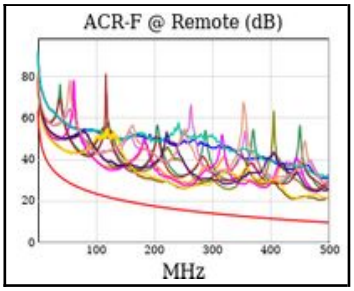


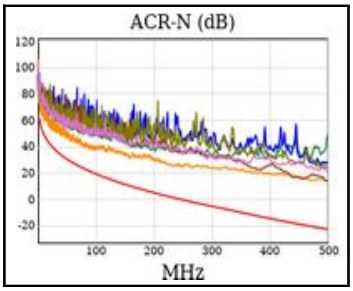


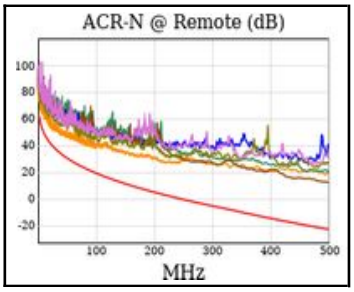


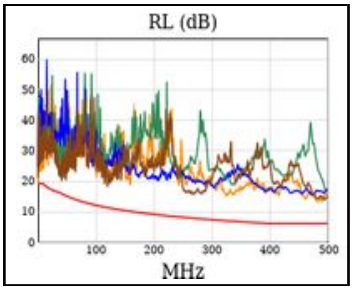


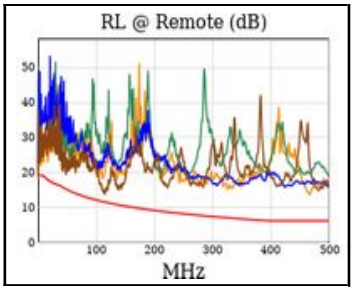












FLUKE networks

LinkWare Live

Cable ID: 135-A

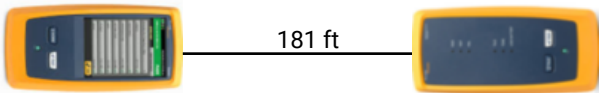
Test Summary: PASS

Date / Time: 11/27/2022 06:37:38 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

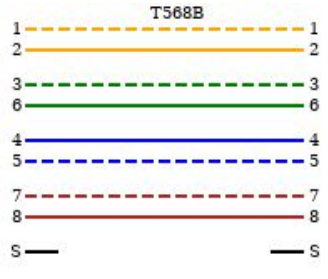
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	181
Prop. Delay (ns), Limit 555	[Pair 4,5]	287
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

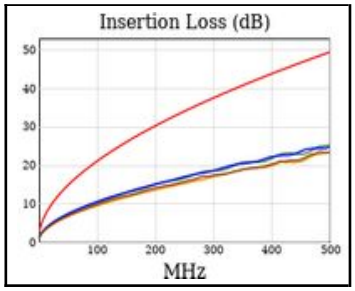


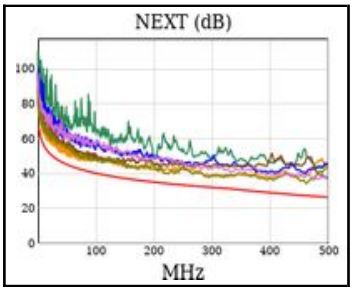
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.7	4.5	6.9	5.9
Freq. (MHz)	55.5	214.0	463.0	500.0
Limit (dB)	44.2	34.3	27.0	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.9	6.6	7.8	6.9
Freq. (MHz)	71.0	24.9	463.0	500.0
Limit (dB)	39.6	47.4	24.1	23.2

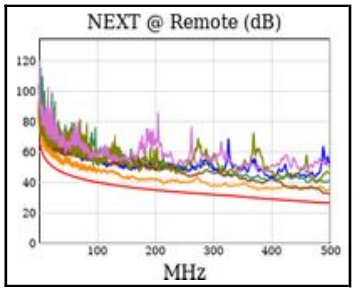
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	9.6	10.4	9.7
Freq. (MHz)	372.0	393.0	398.0	394.0
Limit (dB)	11.8	11.4	11.3	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.7	13.0	11.8
Freq. (MHz)	359.0	7.8	475.0	383.0
Limit (dB)	9.2	42.5	6.7	8.6

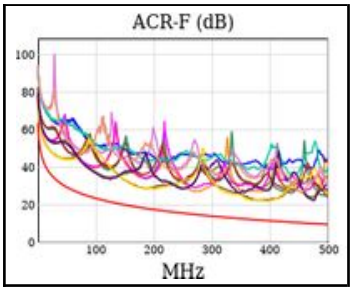
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.4	8.6	32.0	30.6
Freq. (MHz)	5.6	5.6	463.0	500.0
Limit (dB)	55.8	55.8	-20.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	9.6	32.5	31.1
Freq. (MHz)	5.4	3.8	463.0	500.0
Limit (dB)	53.7	57.0	-23.2	-26.1

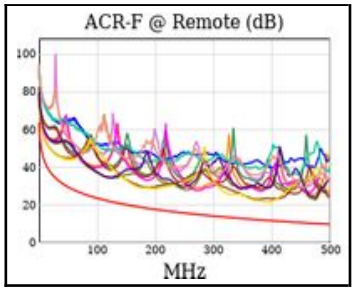
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.5	3.0	5.5	5.9
Freq. (MHz)	485.0	123.0	485.0	495.0
Limit (dB)	6.0	11.1	6.0	6.0

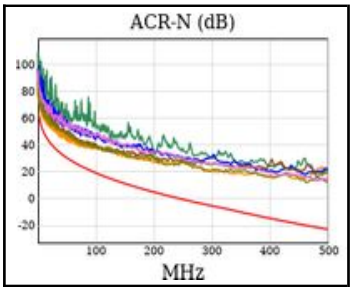


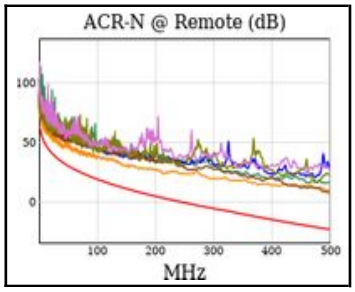


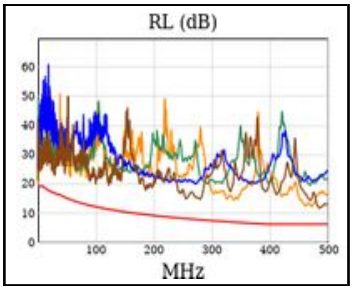


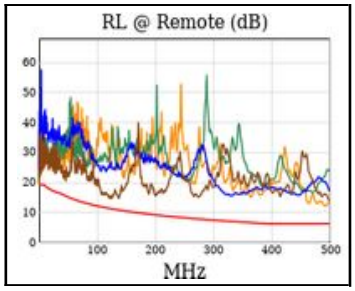












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 135-B

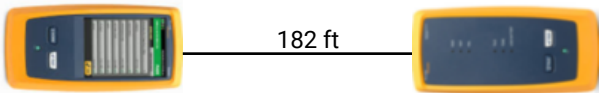
Test Summary: PASS

Date / Time: 11/27/2022 06:38:56 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

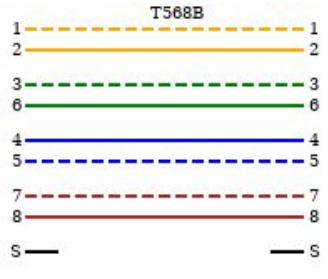
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

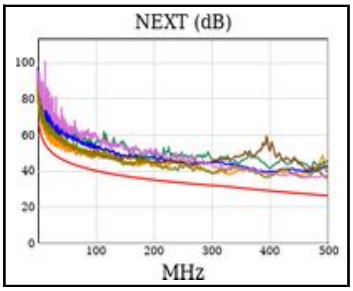
Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 4,5]	286
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

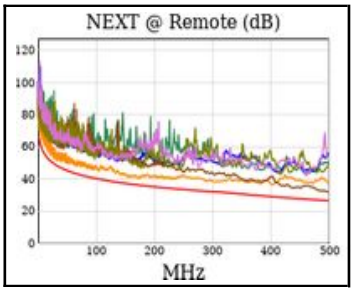


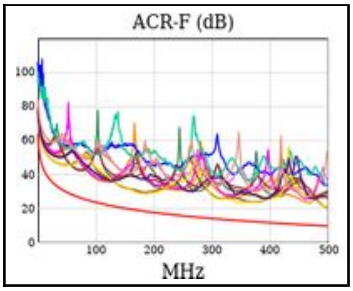
PASS

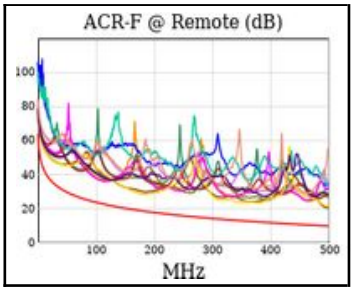


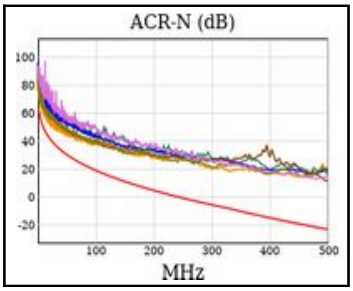


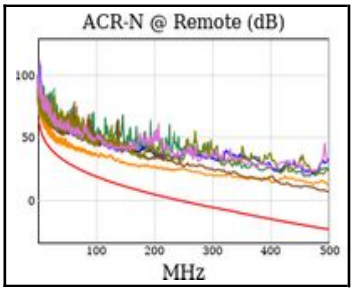


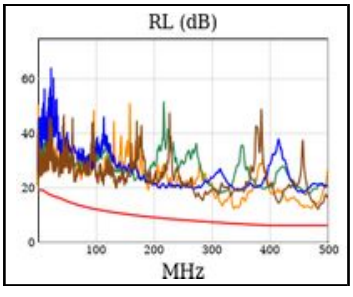


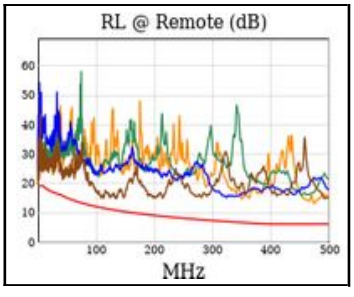












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.9	3.2	8.7	5.5
Freq. (MHz)	22.9	32.5	455.0	498.0
Limit (dB)	50.7	48.1	27.2	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.0	5.2	7.9	7.3
Freq. (MHz)	22.9	32.5	455.0	500.0
Limit (dB)	48.0	45.4	24.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.8	10.8	10.6
Freq. (MHz)	184.0	184.0	500.0	500.0
Limit (dB)	18.0	18.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.7	12.4	12.3
Freq. (MHz)	347.0	362.0	500.0	500.0
Limit (dB)	9.5	9.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.5	7.8	34.4	30.1
Freq. (MHz)	3.8	3.6	498.0	500.0
Limit (dB)	59.5	59.8	-23.1	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.0	8.6	34.4	31.6
Freq. (MHz)	3.5	3.6	498.0	500.0
Limit (dB)	57.6	57.3	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.3	3.0	5.3	7.0
Freq. (MHz)	339.0	110.0	339.0	475.0
Limit (dB)	6.7	11.6	6.7	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 136-A

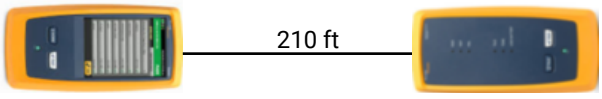
Test Summary: PASS

Date / Time: 11/27/2022 06:36:06 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

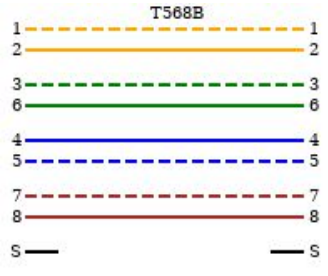
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

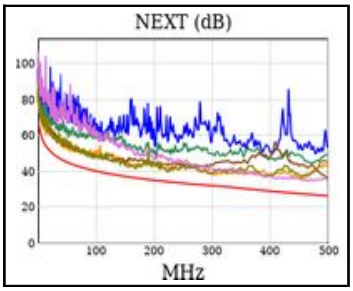
Length (ft), Limit 328	[Pair 1,2]	210
Prop. Delay (ns), Limit 555	[Pair 4,5]	332
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

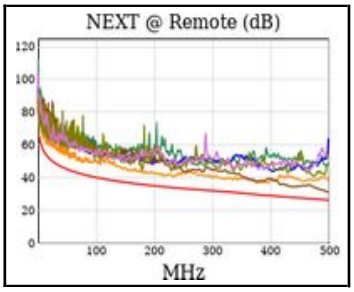


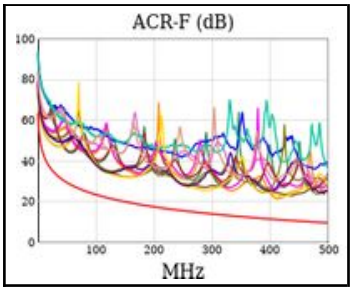
PASS

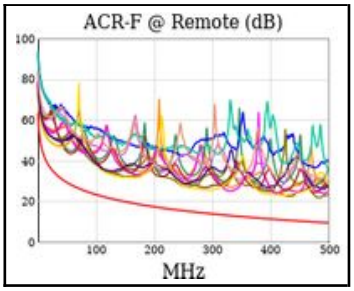


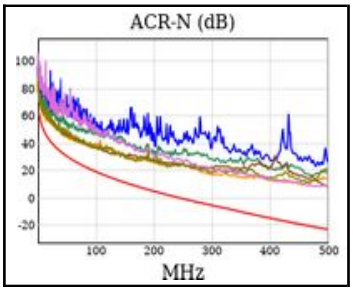


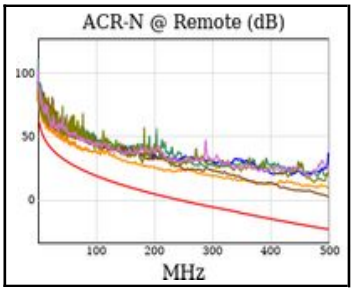


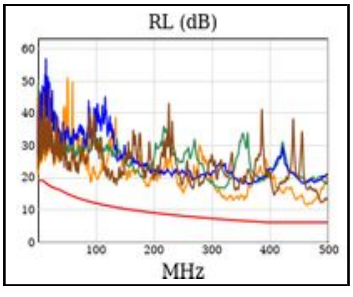


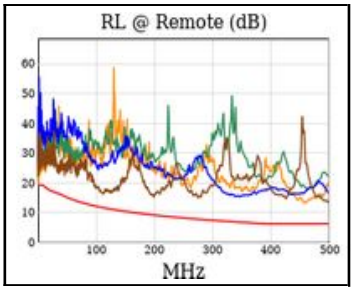












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	4,5-7,8	3,6-4,5
NEXT (dB)	5.0	4.9	7.6	4.9
Freq. (MHz)	170.0	499.0	466.0	499.0
Limit (dB)	36.0	26.1	26.9	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.0	6.8	9.2	6.9
Freq. (MHz)	170.0	499.0	500.0	500.0
Limit (dB)	33.1	23.3	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	7,8-3,6
ACR-F (dB)	10.2	11.3	10.2	12.1
Freq. (MHz)	415.0	285.0	415.0	487.0
Limit (dB)	10.9	14.2	10.9	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.5	10.5	12.8
Freq. (MHz)	416.0	5.1	416.0	487.0
Limit (dB)	7.9	46.1	7.9	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	9.1	8.7	31.2	25.8
Freq. (MHz)	6.5	3.1	500.0	499.0
Limit (dB)	54.4	61.1	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.2	8.7	30.2	27.2
Freq. (MHz)	3.1	3.3	500.0	500.0
Limit (dB)	58.3	58.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.4	4.5	5.4	7.0
Freq. (MHz)	466.0	112.0	466.0	460.0
Limit (dB)	6.0	11.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 136-B

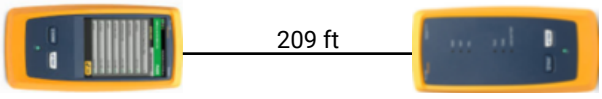
Test Summary: PASS

Date / Time: 11/27/2022 06:36:41 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

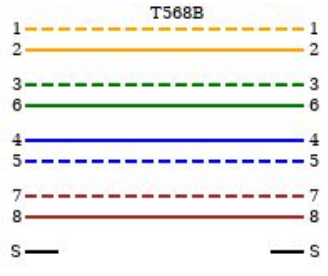
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

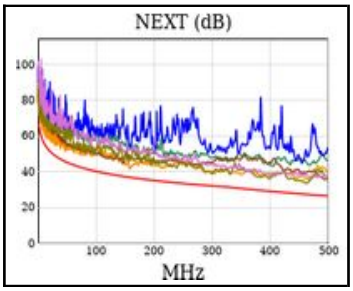
Length (ft), Limit 328	[Pair 1,2]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	332
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

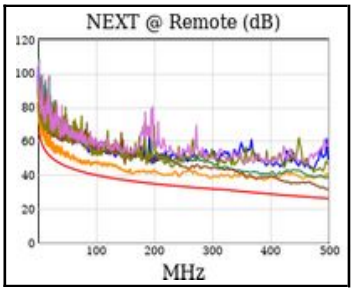


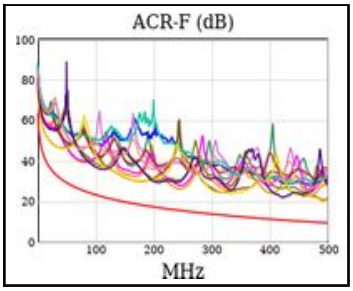
PASS

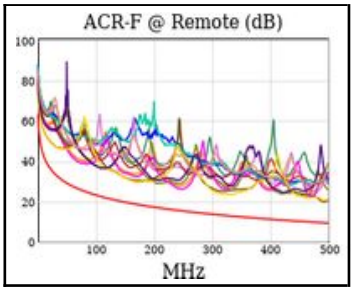


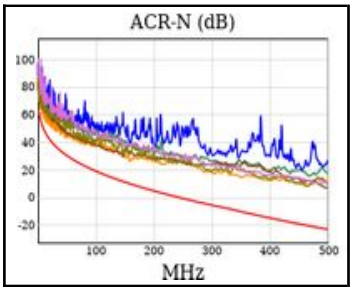


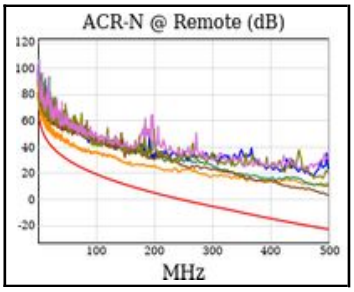


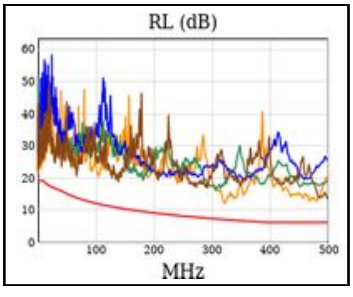


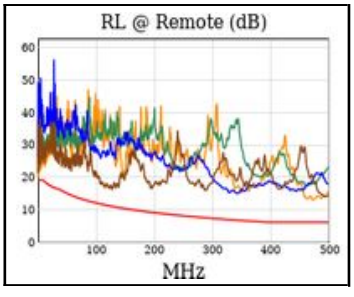












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.6	3.8	6.2	5.3
Freq. (MHz)	160.0	14.8	464.0	497.0
Limit (dB)	36.4	53.8	27.0	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.4	5.8	6.5	7.3
Freq. (MHz)	159.5	14.8	464.0	497.0
Limit (dB)	33.6	51.2	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.4	10.4	10.4
Freq. (MHz)	493.0	493.0	493.0	493.0
Limit (dB)	9.4	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.2	11.7	11.5
Freq. (MHz)	335.0	322.0	474.0	467.0
Limit (dB)	9.8	10.1	6.7	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	6.7	5.8	30.1	26.4
Freq. (MHz)	4.9	4.8	500.0	500.0
Limit (dB)	57.1	57.3	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	7.8	29.1	28.0
Freq. (MHz)	4.6	4.8	500.0	500.0
Limit (dB)	55.1	54.8	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.0	4.6	5.0	7.0
Freq. (MHz)	324.0	12.3	324.0	474.0
Limit (dB)	6.9	18.6	6.9	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 137-A

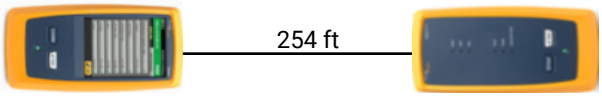
Test Summary: PASS

Date / Time: 11/27/2022 06:25:53 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

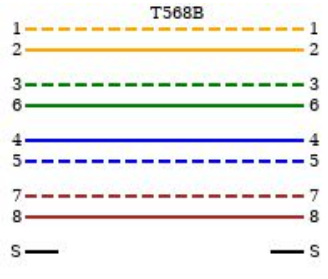
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

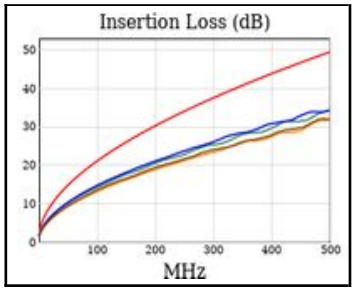
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	254
Prop. Delay (ns), Limit 555	[Pair 4,5]	401
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	18.2
Insertion Loss Margin (dB)	[Pair 4,5]	15.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

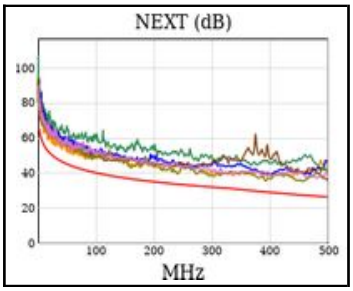


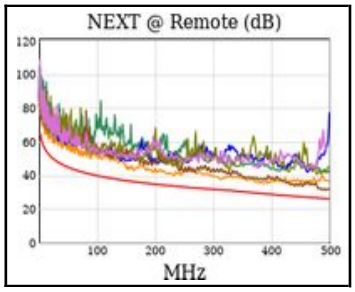
PASS



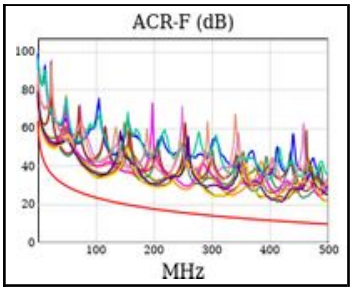


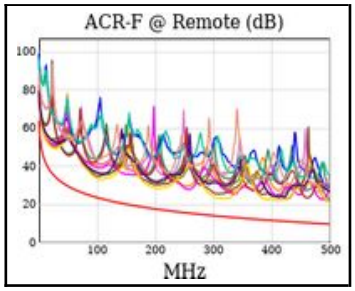
PASS	MAIN	SR	MAIN	SR
	Worst Case Margin		Worst Case Value	
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	4.7	8.0	4.7
Freq. (MHz)	242.0	488.0	459.0	488.0
Limit (dB)	33.4	26.4	27.1	26.4
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.8	6.5	8.2	6.6
Freq. (MHz)	82.5	494.0	460.0	495.0
Limit (dB)	38.5	23.4	24.2	23.3



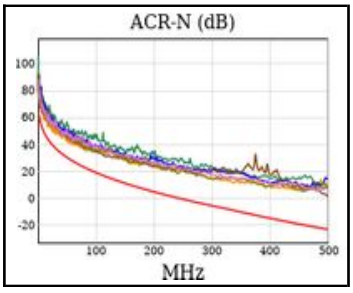


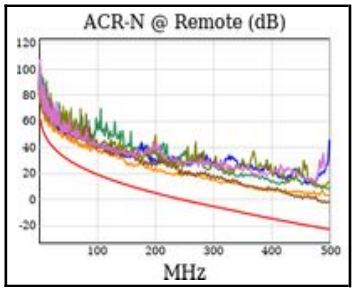
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	9.4	11.5	11.3
Freq. (MHz)	420.0	315.0	500.0	500.0
Limit (dB)	10.8	13.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	11.0	9.8	11.9
Freq. (MHz)	420.0	409.0	420.0	497.0
Limit (dB)	7.8	8.0	7.8	6.3



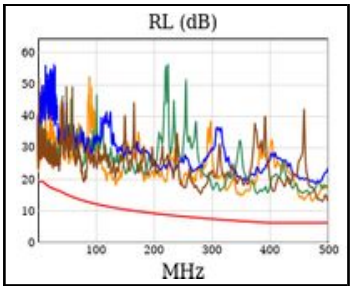


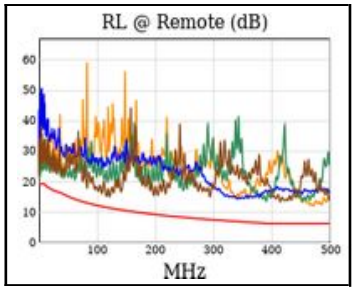
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.8	10.6	24.4	20.3
Freq. (MHz)	17.5	10.8	500.0	500.0
Limit (dB)	44.0	49.4	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.8	11.5	25.0	21.6
Freq. (MHz)	5.1	5.3	500.0	495.0
Limit (dB)	54.1	53.9	-26.1	-25.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.9	3.5	6.8	5.7
Freq. (MHz)	79.8	122.5	474.0	473.0
Limit (dB)	13.0	11.1	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 137-B

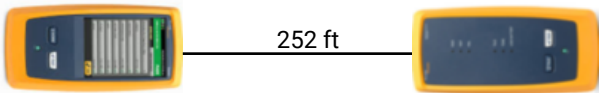
Test Summary: PASS

Date / Time: 11/27/2022 06:26:48 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

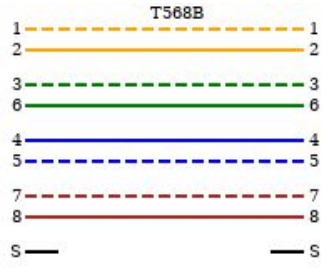
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

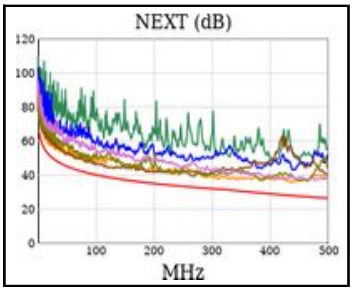
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	399
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	18.7
Insertion Loss Margin (dB)	[Pair 3,6]	15.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

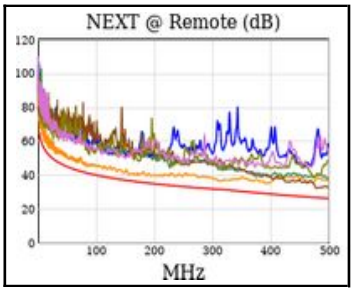


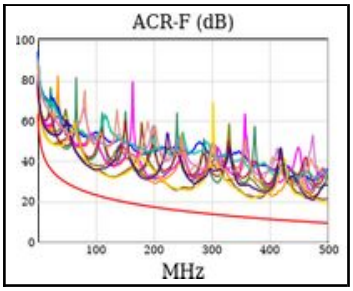
PASS

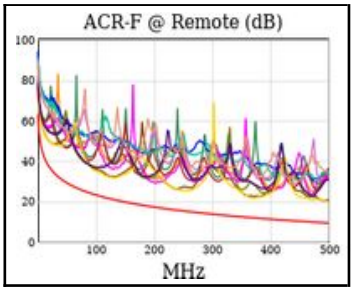


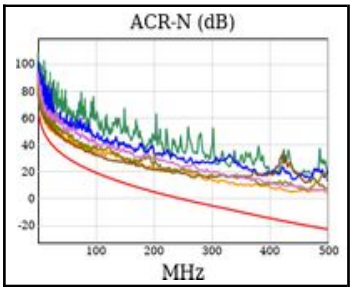


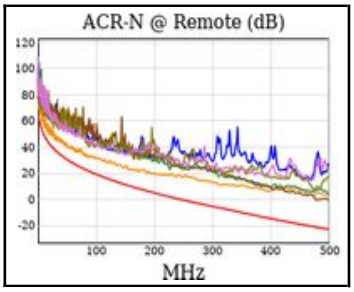


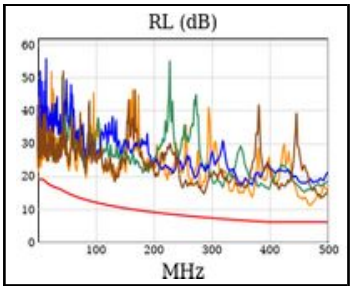


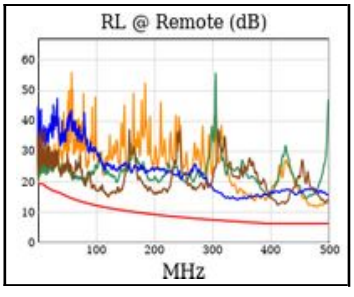












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	5.5	3.6	7.6	5.5
Freq. (MHz)	12.1	157.0	438.0	479.0
Limit (dB)	55.2	36.6	27.7	26.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.1	5.9	9.0	6.7
Freq. (MHz)	231.0	174.0	465.0	478.0
Limit (dB)	30.8	32.9	24.1	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.7	10.1	10.6
Freq. (MHz)	367.0	370.0	499.0	499.0
Limit (dB)	12.0	11.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	11.2	9.7	11.2
Freq. (MHz)	476.0	471.0	476.0	471.0
Limit (dB)	6.7	6.8	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.4	6.0	27.1	20.7
Freq. (MHz)	4.0	4.0	499.0	479.0
Limit (dB)	58.9	58.9	-23.1	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.9	7.2	27.3	22.2
Freq. (MHz)	3.9	4.0	500.0	486.0
Limit (dB)	56.7	56.4	-26.1	-25.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	3.7	3.2	5.1	5.5
Freq. (MHz)	6.0	4.3	470.0	481.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 138-A

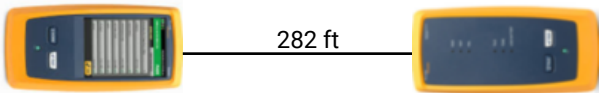
Test Summary: PASS

Date / Time: 11/27/2022 06:23:42 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

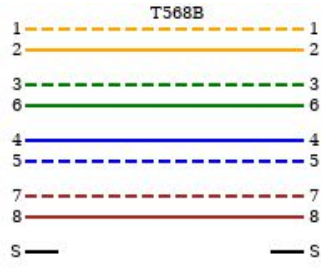
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

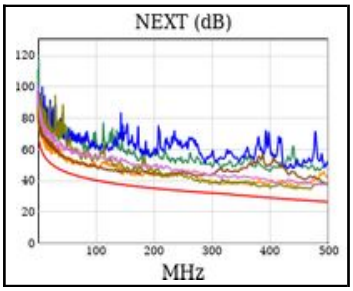
Length (ft), Limit 328	[Pair 1,2]	282
Prop. Delay (ns), Limit 555	[Pair 4,5]	447
Delay Skew (ns), Limit 50	[Pair 4,5]	27
Resistance (ohms)	[Pair 3,6]	17.7
Insertion Loss Margin (dB)	[Pair 4,5]	11.2
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

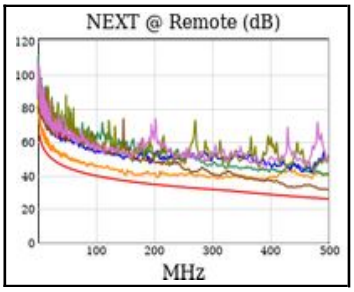


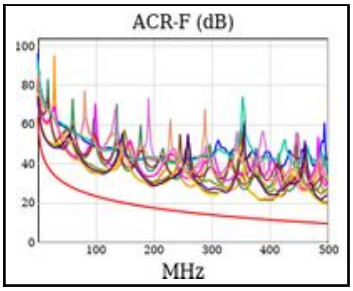
PASS

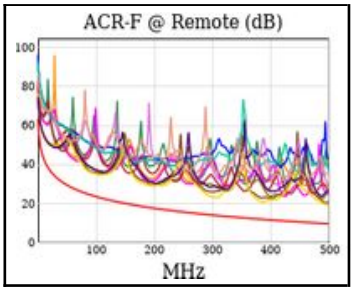


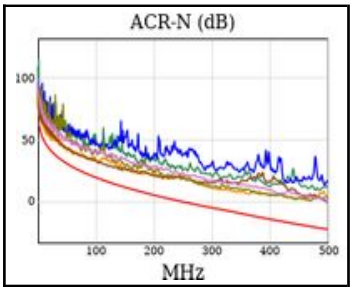


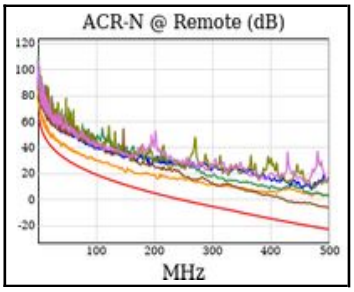


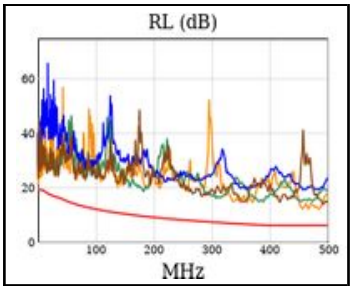


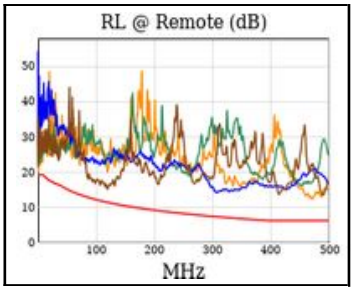












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	6.0	3.3	7.4	5.3
Freq. (MHz)	15.6	152.0	470.0	500.0
Limit (dB)	53.4	36.8	26.8	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.9	5.9	7.3	7.6
Freq. (MHz)	315.0	152.0	446.0	500.0
Limit (dB)	28.4	33.9	24.5	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	8.8	9.7	9.4
Freq. (MHz)	387.0	387.0	499.0	499.0
Limit (dB)	11.5	11.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	10.5	11.2
Freq. (MHz)	494.0	199.5	494.0	495.0
Limit (dB)	6.4	14.3	6.4	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.0	6.4	22.3	16.5
Freq. (MHz)	15.6	22.9	499.0	500.0
Limit (dB)	45.3	40.9	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.6	8.8	21.8	18.8
Freq. (MHz)	3.4	22.9	500.0	500.0
Limit (dB)	57.9	38.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.5	2.8	5.9	6.1
Freq. (MHz)	5.3	5.3	486.0	473.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 138-B

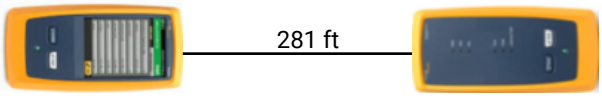
Test Summary: PASS

Date / Time: 11/27/2022 06:24:36 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

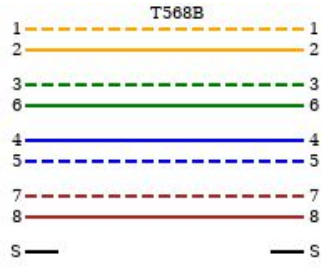
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

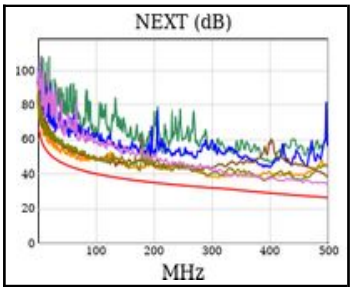
Length (ft), Limit 328	[Pair 1,2]	281
Prop. Delay (ns), Limit 555	[Pair 4,5]	447
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	17.3
Insertion Loss Margin (dB)	[Pair 3,6]	10.5
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

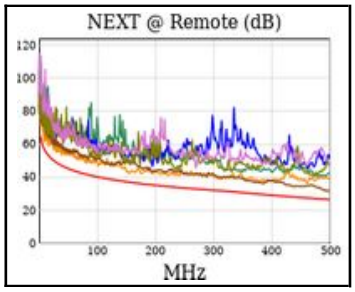


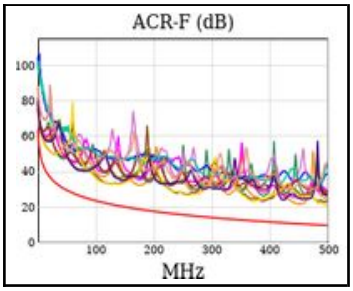
PASS

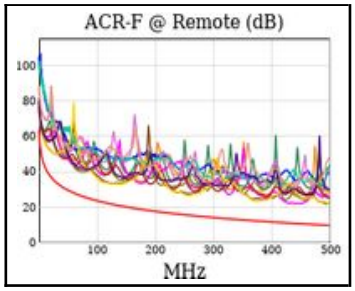


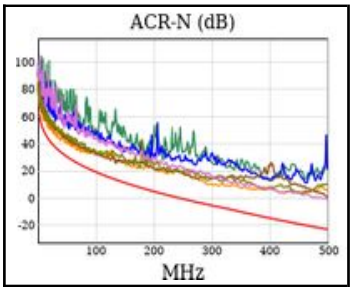


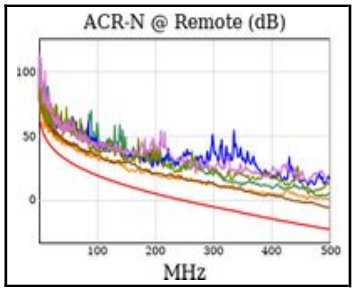


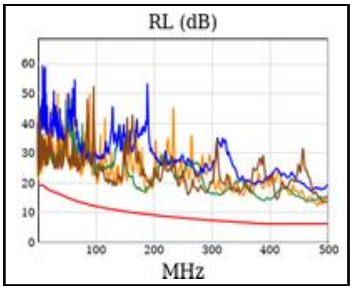


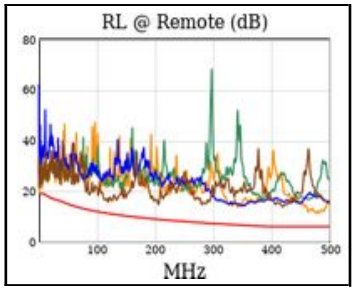












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	5.0	4.0	8.0	5.0
Freq. (MHz)	75.3	9.5	500.0	497.0
Limit (dB)	42.0	56.9	26.1	26.2
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	5.6	6.0	8.3	7.1
Freq. (MHz)	75.3	9.5	458.0	497.0
Limit (dB)	39.2	54.4	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.0	10.9	11.3	12.1
Freq. (MHz)	373.0	257.0	497.0	497.0
Limit (dB)	11.8	15.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.8	12.0	12.5
Freq. (MHz)	455.0	425.0	498.0	497.0
Limit (dB)	7.1	7.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	6.7	5.5	22.2	16.9
Freq. (MHz)	9.5	9.5	500.0	500.0
Limit (dB)	50.6	50.6	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.1	7.6	21.1	17.6
Freq. (MHz)	3.4	9.5	500.0	497.0
Limit (dB)	57.9	48.0	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.9	2.1	6.1	5.2
Freq. (MHz)	5.3	5.3	483.0	478.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-A-2

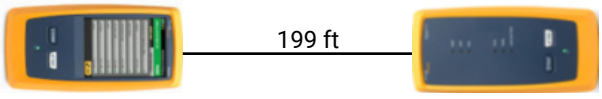
Test Summary: PASS

Date / Time: 12/19/2022 03:44:56 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

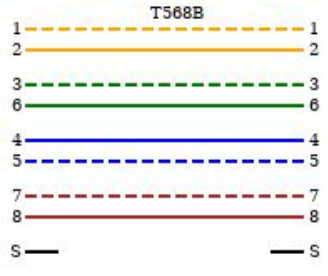
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

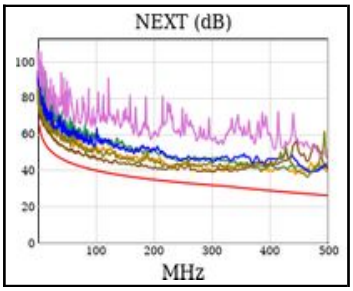
Length (ft), Limit 328	[Pair 1,2]	199
Prop. Delay (ns), Limit 555	[Pair 4,5]	316
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	18.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

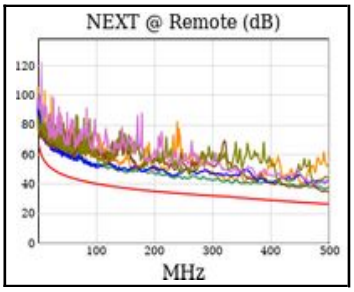


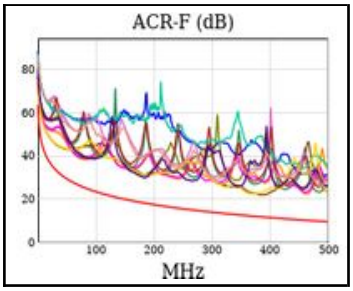
PASS

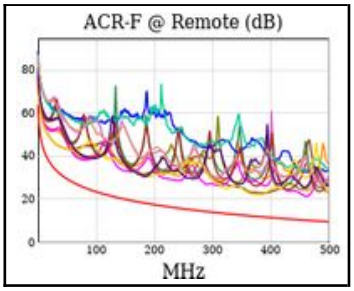


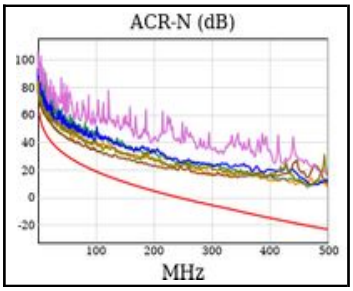


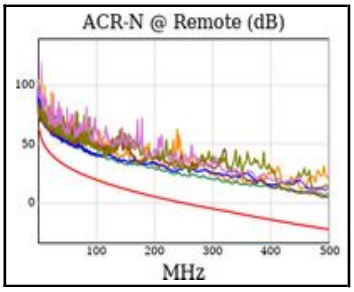


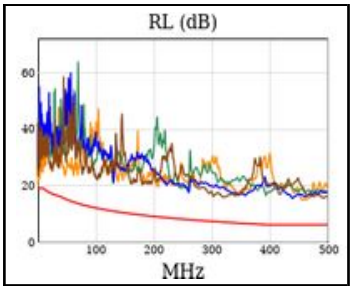


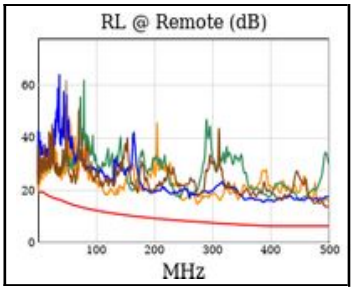












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.6	8.1	9.1	8.4
Freq. (MHz)	129.5	3.3	465.0	500.0
Limit (dB)	38.0	64.5	27.0	26.1
Worst Pair	3,6	4,5	7,8	4,5
PS NEXT (dB)	5.9	8.3	10.4	8.3
Freq. (MHz)	177.0	493.0	466.0	493.0
Limit (dB)	32.8	23.4	24.0	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	10.1	10.1	10.1	11.0
Freq. (MHz)	388.0	379.0	388.0	461.0
Limit (dB)	11.5	11.7	11.5	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	13.0	12.4
Freq. (MHz)	5.1	5.3	463.0	461.0
Limit (dB)	46.1	45.9	6.9	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	7.8	9.9	27.9	26.8
Freq. (MHz)	3.0	3.3	466.0	500.0
Limit (dB)	61.4	60.7	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.0	10.8	28.4	26.6
Freq. (MHz)	3.3	3.3	466.0	493.0
Limit (dB)	58.2	58.2	-23.4	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.6	4.8	8.7	7.2
Freq. (MHz)	9.5	9.4	456.0	496.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-B-2

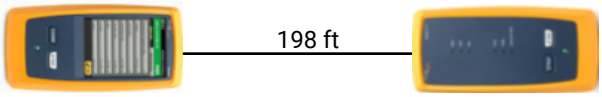
Test Summary: PASS

Date / Time: 12/19/2022 03:45:15 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

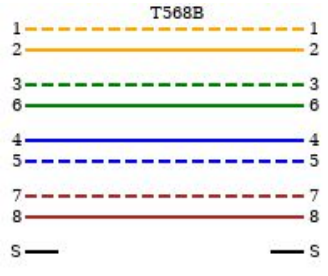
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

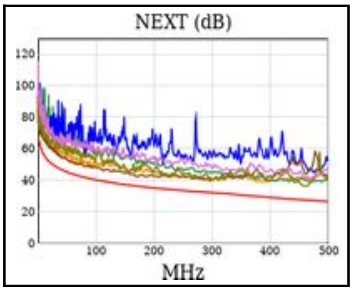
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	316
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.9
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

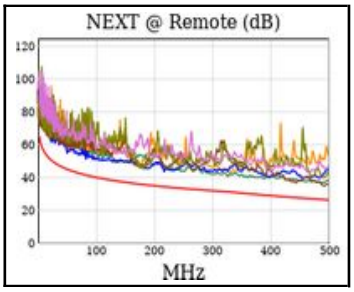


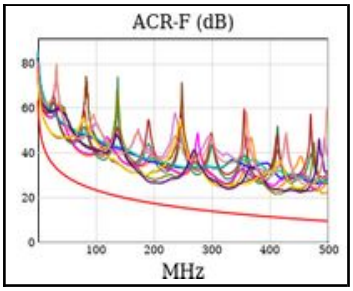
PASS

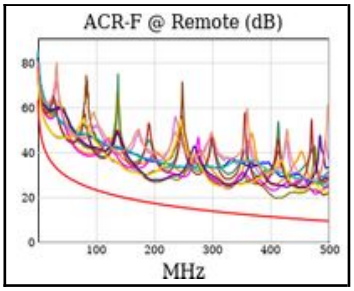


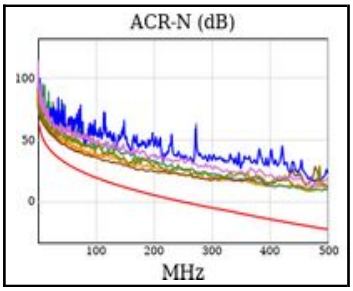


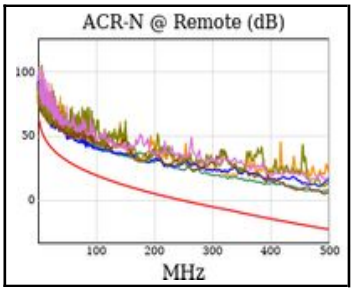


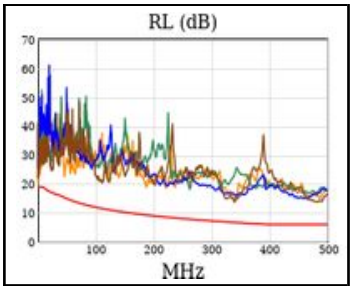


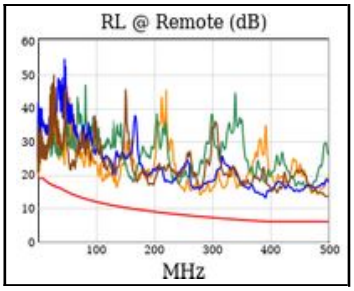












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	7.5	8.9	8.5
Freq. (MHz)	172.0	3.1	464.0	494.0
Limit (dB)	35.9	64.8	27.0	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.9	8.7	10.0	8.9
Freq. (MHz)	168.5	3.3	464.0	494.0
Limit (dB)	33.1	62.0	24.1	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	9.1	8.6	10.5	8.6
Freq. (MHz)	195.5	412.0	412.0	412.0
Limit (dB)	17.4	11.0	11.0	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.8	9.6	11.5
Freq. (MHz)	327.0	327.0	328.0	491.0
Limit (dB)	10.0	10.0	9.9	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-4,5
ACR-N (dB)	8.4	9.3	28.9	27.0
Freq. (MHz)	3.1	3.1	471.0	494.0
Limit (dB)	61.1	61.1	-20.9	-22.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.0	10.5	30.8	27.5
Freq. (MHz)	3.3	3.3	500.0	494.0
Limit (dB)	58.2	58.2	-26.1	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	4,5
RL (dB)	6.9	5.5	6.9	7.0
Freq. (MHz)	340.0	136.5	340.0	392.0
Limit (dB)	6.7	10.6	6.7	6.1

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 139-A

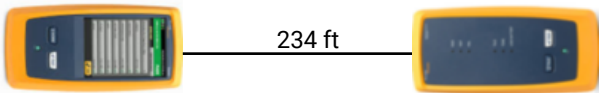
Test Summary: PASS

Date / Time: 11/27/2022 04:11:18 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

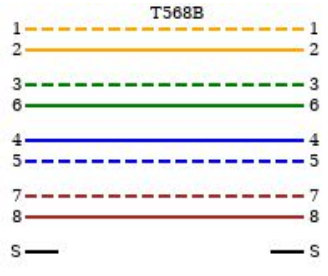
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

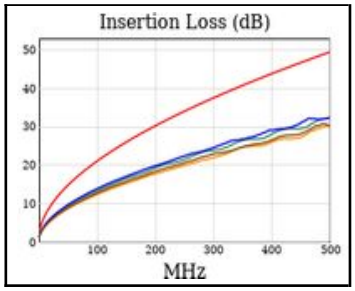
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

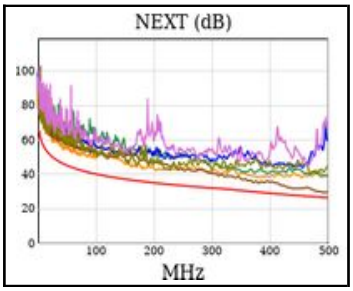
Length (ft), Limit 328	[Pair 1,2]	234
Prop. Delay (ns), Limit 555	[Pair 4,5]	371
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	10.8
Insertion Loss Margin (dB)	[Pair 4,5]	17.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

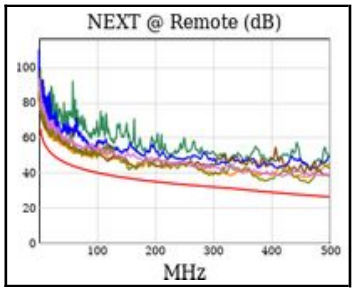


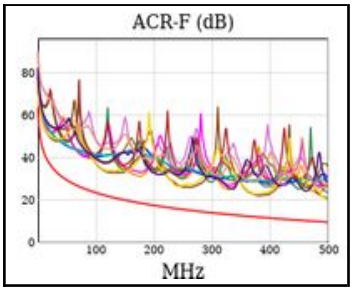
PASS

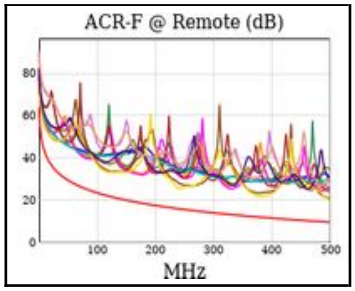


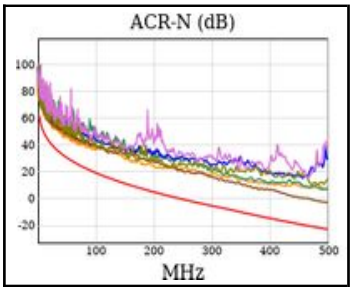


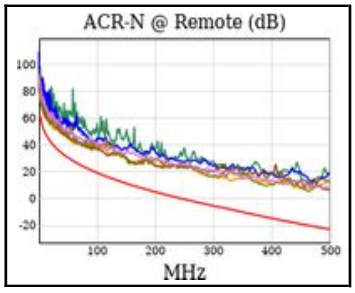


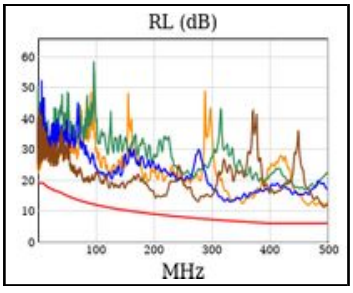


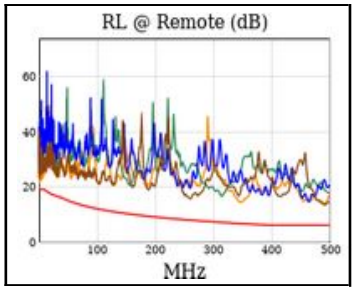












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	2.9	4.9	3.0	7.1
Freq. (MHz)	493.0	156.5	497.0	464.0
Limit (dB)	26.3	36.6	26.2	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	4.8	5.3	8.1
Freq. (MHz)	494.0	168.0	497.0	465.0
Limit (dB)	23.4	33.2	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.7	10.7	10.5
Freq. (MHz)	380.0	380.0	500.0	500.0
Limit (dB)	11.7	11.7	9.3	9.3
Worst Pair	3,6	4,5	4,5	4,5
PS ACR-F (dB)	11.4	11.4	11.8	11.6
Freq. (MHz)	245.5	246.5	500.0	499.0
Limit (dB)	12.5	12.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	11.3	10.5	20.3	25.5
Freq. (MHz)	3.4	5.8	500.0	464.0
Limit (dB)	60.4	55.6	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	10.4	22.2	25.3
Freq. (MHz)	5.8	5.6	497.0	465.0
Limit (dB)	53.0	53.2	-25.8	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	5.3	4.0	5.3	7.4
Freq. (MHz)	495.0	7.8	495.0	493.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 139-B

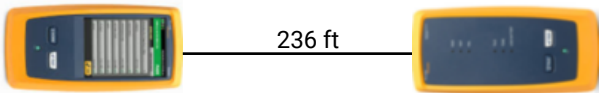
Test Summary: PASS

Date / Time: 11/27/2022 04:12:35 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

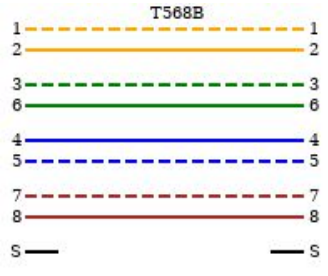
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

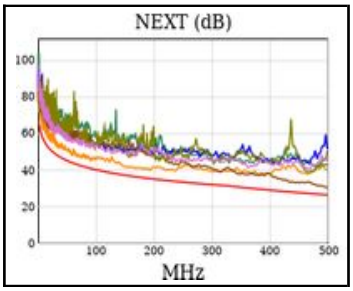
Length (ft), Limit 328	[Pair 1,2]	236
Prop. Delay (ns), Limit 555	[Pair 4,5]	372
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	16.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

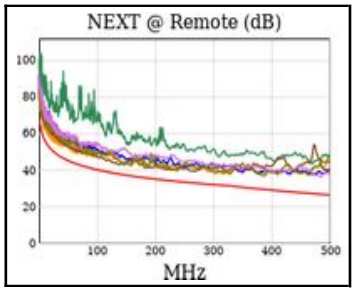


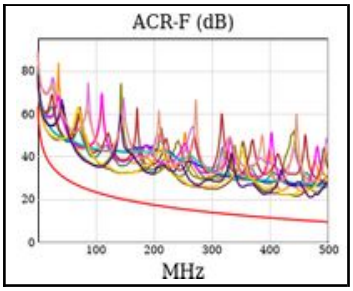
PASS

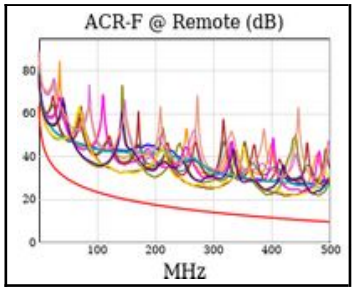


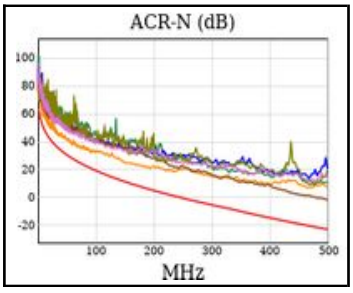


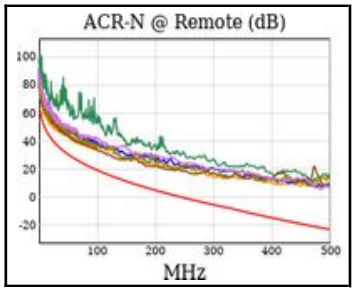


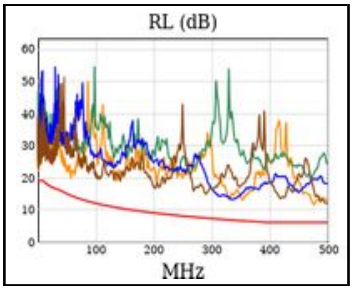


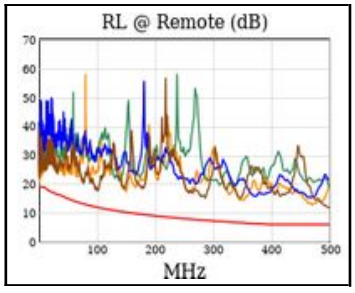












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	3.8	5.1	4.1	9.5
Freq. (MHz)	74.5	27.6	500.0	484.0
Limit (dB)	42.1	49.3	26.1	26.5
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.9	4.0	6.3	9.0
Freq. (MHz)	74.5	147.5	499.0	464.0
Limit (dB)	39.3	34.2	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	7,8-3,6	4,5-3,6
ACR-F (dB)	10.8	10.6	11.0	10.8
Freq. (MHz)	295.0	393.0	470.0	424.0
Limit (dB)	13.9	11.4	9.8	10.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.1	11.9	11.3
Freq. (MHz)	278.0	393.0	470.0	400.0
Limit (dB)	11.4	8.4	6.8	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	7.0	7.5	21.1	27.3
Freq. (MHz)	8.5	8.6	500.0	486.0
Limit (dB)	51.8	51.6	-23.2	-22.1
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	8.5	7.9	23.1	27.6
Freq. (MHz)	8.6	10.3	499.0	485.0
Limit (dB)	49.0	47.3	-26.0	-24.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.4	4.5	5.5	5.8
Freq. (MHz)	58.0	6.5	477.0	498.0
Limit (dB)	14.4	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-A

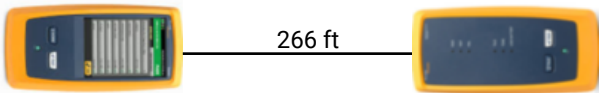
Test Summary: PASS

Date / Time: 11/27/2022 02:05:43 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

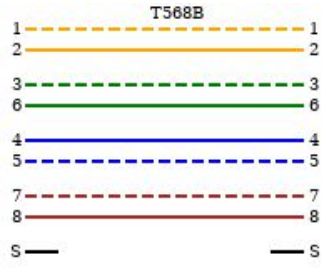
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

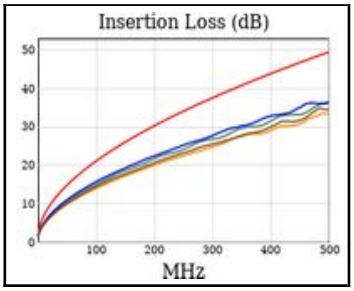
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

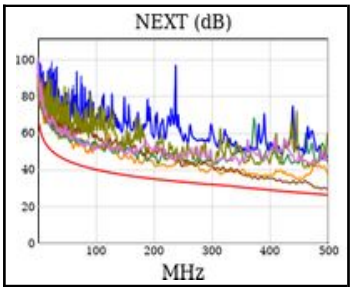
Length (ft), Limit 328	[Pair 1,2]	266
Prop. Delay (ns), Limit 555	[Pair 4,5]	421
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 4,5]	12.2
Insertion Loss Margin (dB)	[Pair 4,5]	12.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

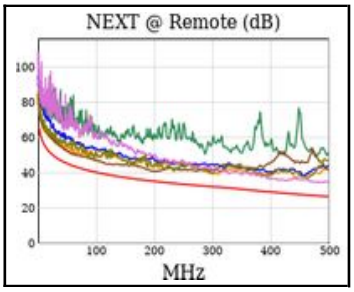


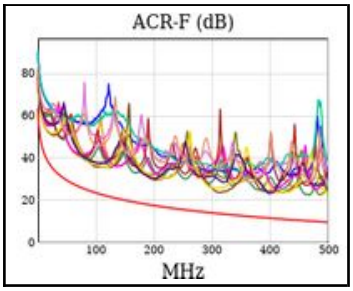
PASS

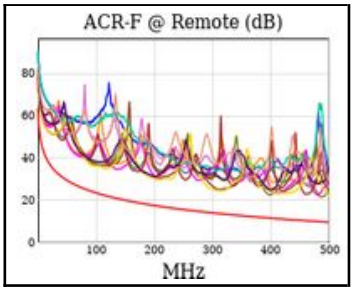


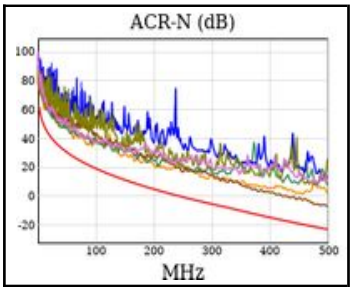


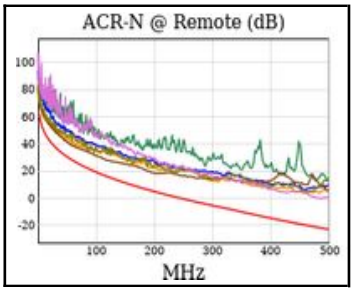


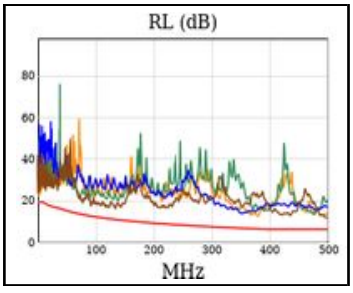


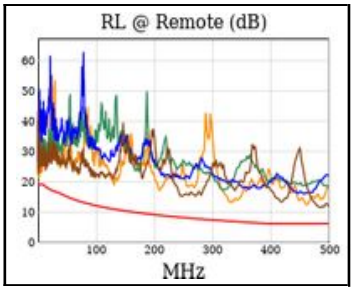












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	3.0	5.6	3.1	8.0
Freq. (MHz)	489.0	202.0	500.0	500.0
Limit (dB)	26.4	34.7	26.1	26.1
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.4	5.2	5.4	7.6
Freq. (MHz)	500.0	197.0	500.0	457.0
Limit (dB)	23.2	32.0	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	7,8-3,6
ACR-F (dB)	10.0	10.8	12.2	11.7
Freq. (MHz)	316.0	316.0	468.0	487.0
Limit (dB)	13.3	13.3	9.9	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.1	11.5	12.4
Freq. (MHz)	407.0	407.0	407.0	485.0
Limit (dB)	8.1	8.1	8.1	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	11.4	8.6	16.0	21.4
Freq. (MHz)	11.4	3.4	500.0	484.0
Limit (dB)	48.8	60.4	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.1	8.2	18.8	23.0
Freq. (MHz)	2.6	3.5	500.0	500.0
Limit (dB)	58.6	57.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	4.6	3.8	5.7	5.3
Freq. (MHz)	5.6	5.6	500.0	486.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-B

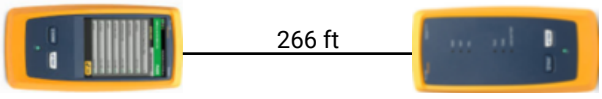
Test Summary: PASS

Date / Time: 11/27/2022 02:13:33 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

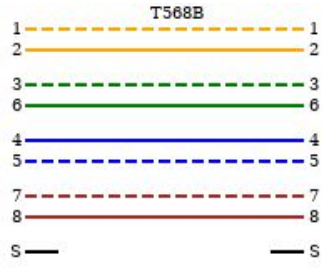
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

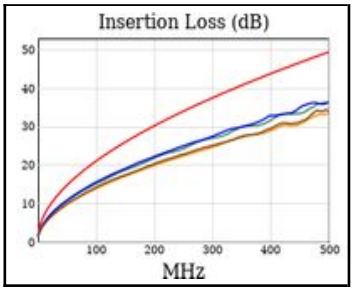
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

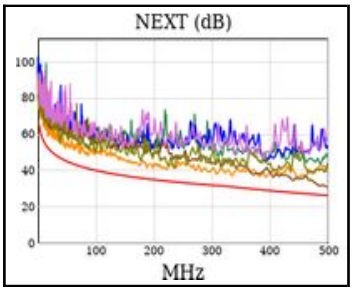
Length (ft), Limit 328	[Pair 1,2]	266
Prop. Delay (ns), Limit 555	[Pair 4,5]	421
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 4,5]	12.3
Insertion Loss Margin (dB)	[Pair 3,6]	13.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

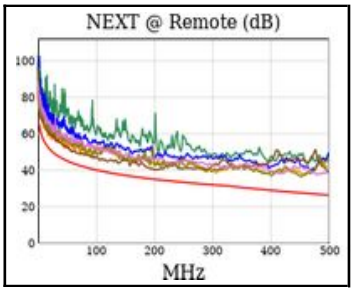


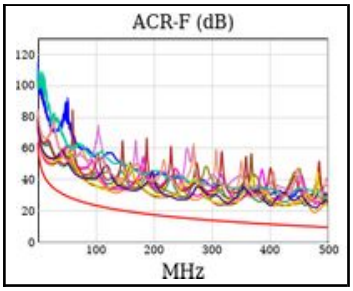
PASS

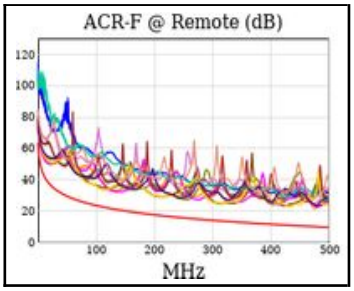


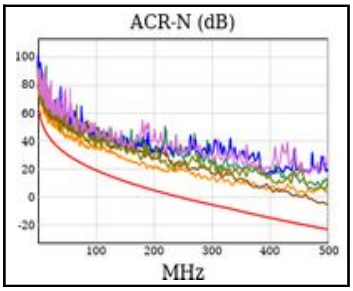


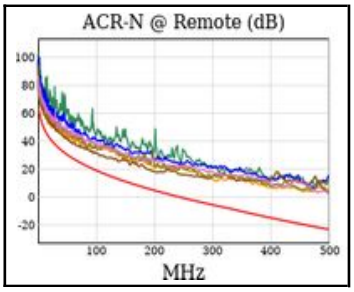


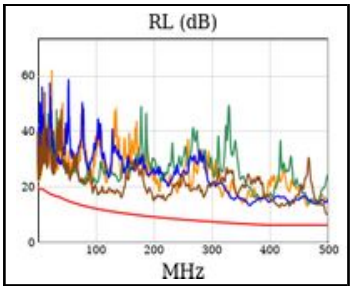


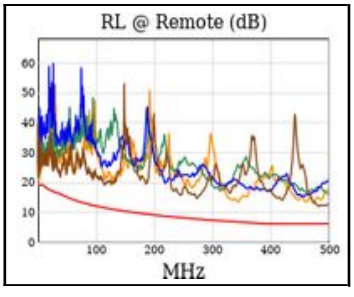












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.8	5.2	4.8	9.0
Freq. (MHz)	499.0	203.0	499.0	454.0
Limit (dB)	26.1	34.7	26.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	4.8	6.7	9.3
Freq. (MHz)	499.0	202.5	499.0	455.0
Limit (dB)	23.3	31.8	23.3	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	9.0	10.5	9.0	11.6
Freq. (MHz)	477.0	8.1	477.0	477.0
Limit (dB)	9.7	45.1	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.3	10.1	12.9
Freq. (MHz)	477.0	5.6	477.0	481.0
Limit (dB)	6.7	45.3	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.5	8.2	17.8	25.8
Freq. (MHz)	17.9	17.9	499.0	500.0
Limit (dB)	43.8	43.8	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	8.2	19.8	25.2
Freq. (MHz)	5.1	5.0	499.0	500.0
Limit (dB)	54.1	54.3	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	3.9	4.0	3.9	5.8
Freq. (MHz)	500.0	5.8	500.0	484.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 139-B

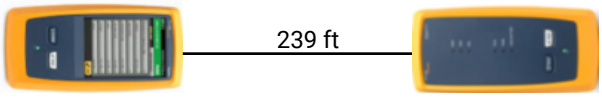
Test Summary: PASS

Date / Time: 12/11/2022 02:16:08 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

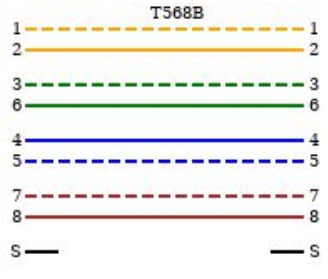
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

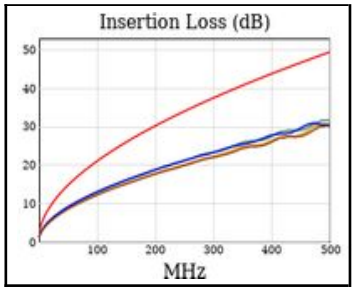
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	239
Prop. Delay (ns), Limit 555	[Pair 4,5]	371
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

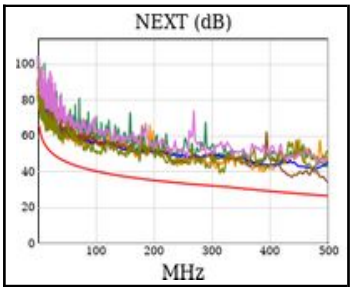


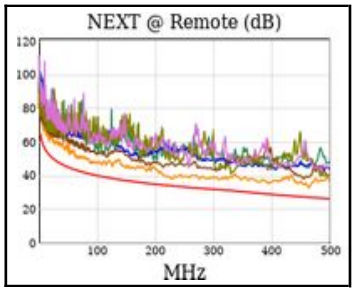
PASS



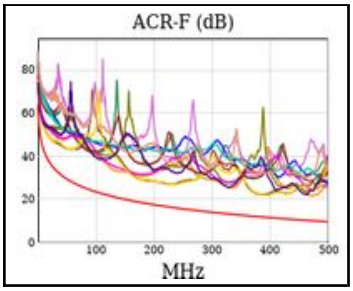


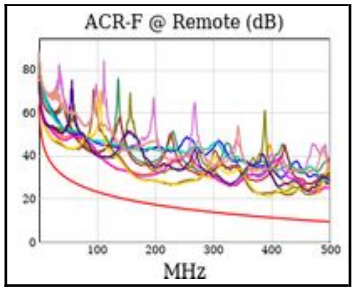
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.2	4.2	7.9	5.4
Freq. (MHz)	314.0	229.5	500.0	465.0
Limit (dB)	31.4	33.8	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.2	6.5	10.1	7.4
Freq. (MHz)	4.0	229.5	500.0	465.0
Limit (dB)	60.5	30.8	23.2	24.1



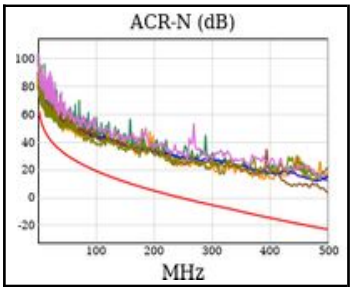


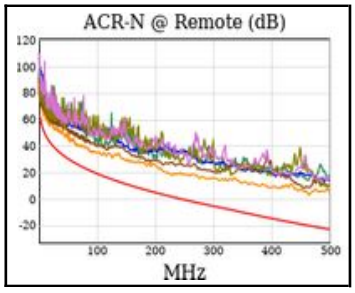
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.2	9.7	11.7	9.7
Freq. (MHz)	398.0	397.0	474.0	397.0
Limit (dB)	11.3	11.3	9.7	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	10.2	11.1	12.1
Freq. (MHz)	6.3	4.6	465.0	470.0
Limit (dB)	44.3	47.0	6.9	6.8



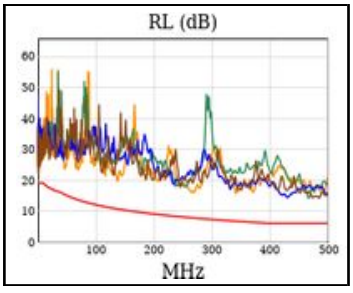


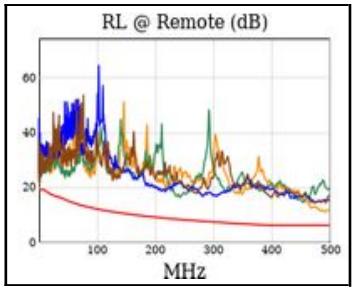
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	10.9	26.5	22.9
Freq. (MHz)	2.8	8.5	500.0	465.0
Limit (dB)	61.5	51.8	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	11.3	28.1	24.9
Freq. (MHz)	4.0	4.0	500.0	465.0
Limit (dB)	56.4	56.4	-26.1	-23.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	7.2	4.8	8.1	4.8
Freq. (MHz)	7.5	493.0	468.0	493.0
Limit (dB)	19.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-A

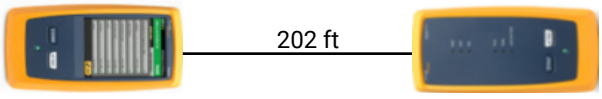
Test Summary: PASS

Date / Time: 12/11/2022 02:17:04 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

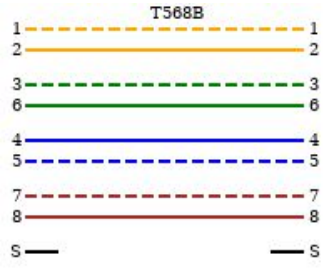
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

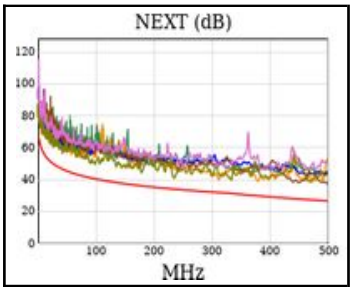
Length (ft), Limit 328	[Pair 7,8]	202
Prop. Delay (ns), Limit 555	[Pair 4,5]	314
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	14.2
Insertion Loss Margin (dB)	[Pair 3,6]	22.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

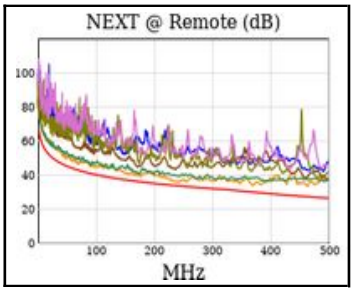


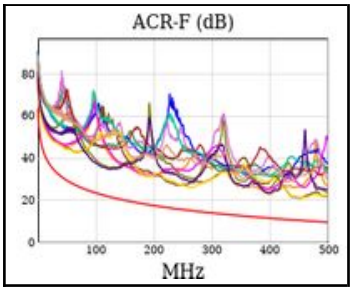
PASS

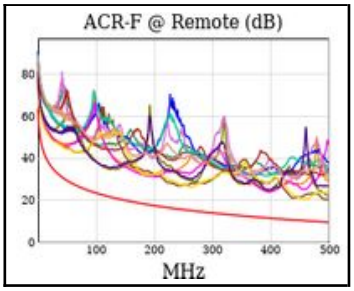


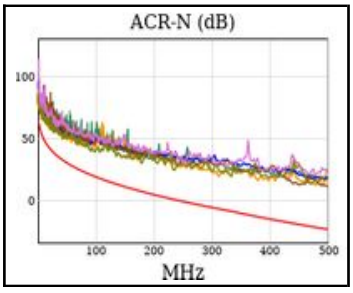


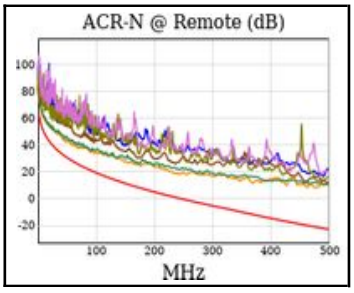


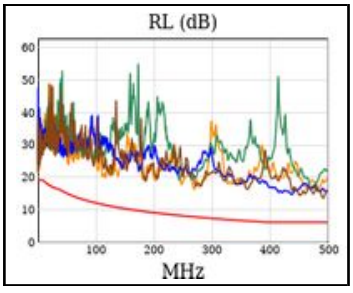


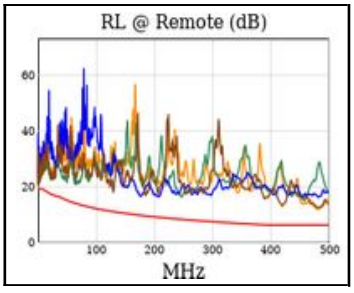












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	2.2	10.6	6.1
Freq. (MHz)	235.0	244.0	500.0	465.0
Limit (dB)	33.6	33.3	26.1	27.0
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	8.4	3.5	11.4	7.2
Freq. (MHz)	236.5	244.0	492.0	465.0
Limit (dB)	30.6	30.3	23.4	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.3	10.6	10.7
Freq. (MHz)	451.0	456.0	451.0	497.0
Limit (dB)	10.2	10.1	10.2	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.6	13.1	11.6
Freq. (MHz)	398.0	497.0	500.0	497.0
Limit (dB)	8.3	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	8.7	34.0	28.9
Freq. (MHz)	6.8	6.8	500.0	476.0
Limit (dB)	54.0	54.0	-23.2	-21.3
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.5	9.6	33.2	30.6
Freq. (MHz)	3.1	6.9	493.0	484.0
Limit (dB)	58.3	51.3	-25.5	-24.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	7.5	4.6	7.5	5.7
Freq. (MHz)	493.0	7.1	493.0	483.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-A

Test Summary: PASS

Date / Time: 12/03/2022 05:30:27 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	192
Prop. Delay (ns), Limit 555	[Pair 4,5]	304
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	23.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	4.0	6.4	4.1
Freq. (MHz)	241.0	493.0	469.0	500.0
Limit (dB)	33.4	26.3	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	6.1	8.9	6.1
Freq. (MHz)	241.0	500.0	500.0	500.0
Limit (dB)	30.4	23.2	23.2	23.2

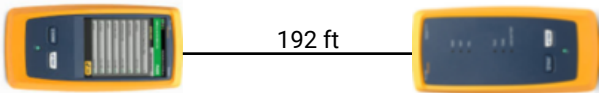
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.5	9.6	9.8	9.7
Freq. (MHz)	318.0	490.0	500.0	492.0
Limit (dB)	13.2	9.5	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	9.8	11.6	11.6
Freq. (MHz)	337.0	341.0	470.0	494.0
Limit (dB)	9.7	9.6	6.8	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.8	7.9	30.0	27.7
Freq. (MHz)	5.4	5.3	480.0	500.0
Limit (dB)	56.2	56.4	-21.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	10.0	31.9	29.1
Freq. (MHz)	5.4	5.3	500.0	500.0
Limit (dB)	53.7	53.9	-26.1	-26.1

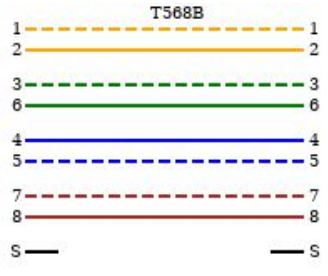
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.5	1.7	6.7	5.0
Freq. (MHz)	11.5	123.0	490.0	499.0
Limit (dB)	18.7	11.1	6.0	6.0

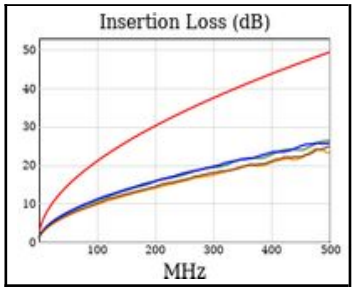
Compliant Network Standards:

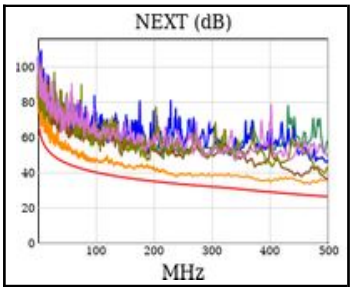
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

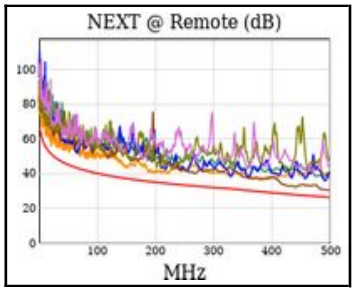


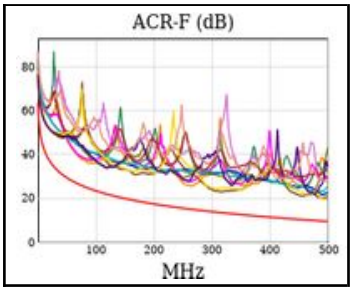
PASS

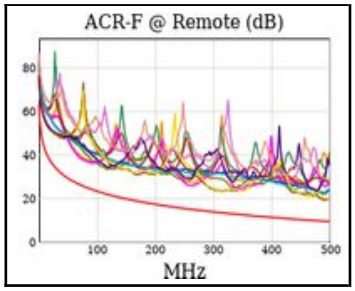


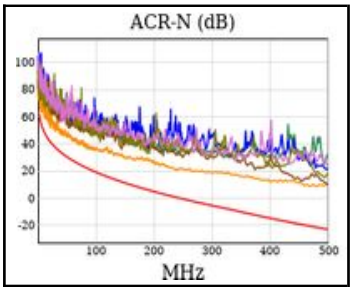


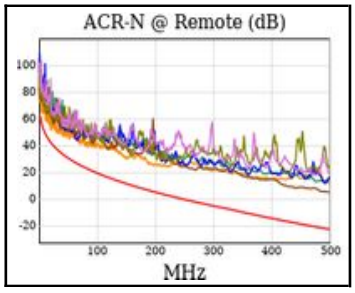


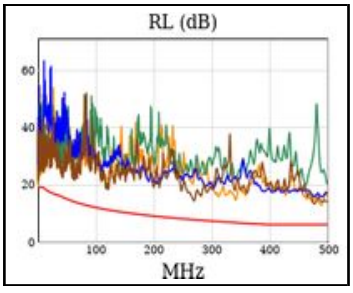


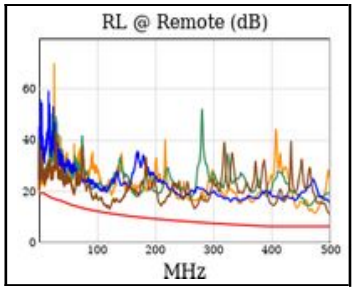












FLUKE networks

LinkWare Live

Cable ID: 140-B

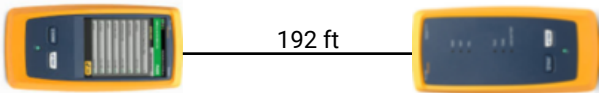
Test Summary: PASS

Date / Time: 12/03/2022 05:29:33 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

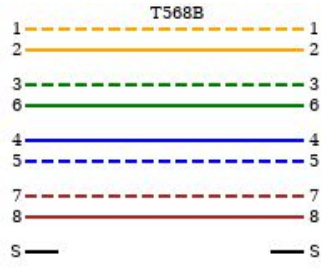
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

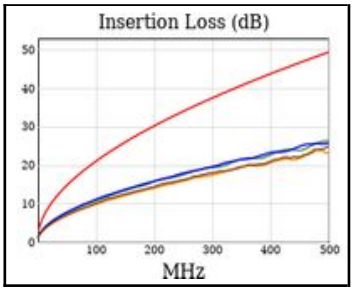
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

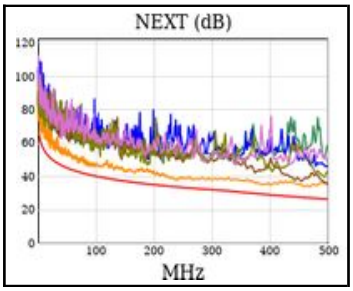
Length (ft), Limit 328	[Pair 1,2]	192
Prop. Delay (ns), Limit 555	[Pair 4,5]	304
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

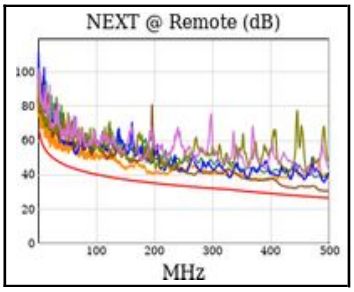


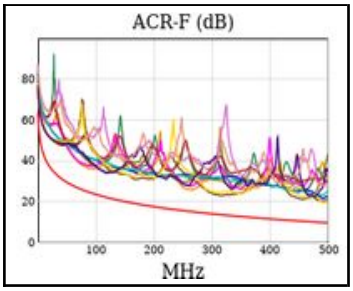
PASS

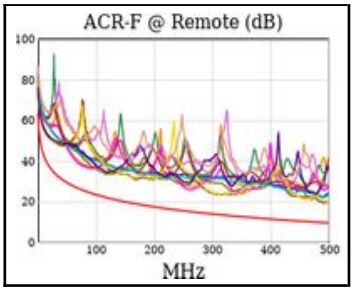


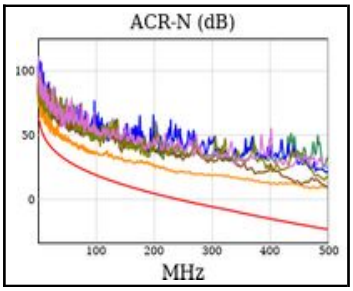


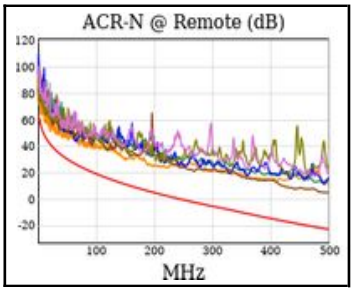


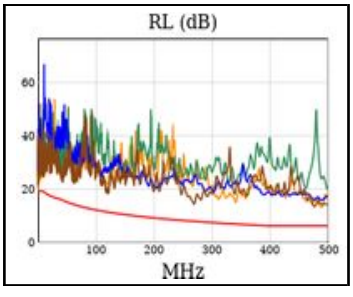


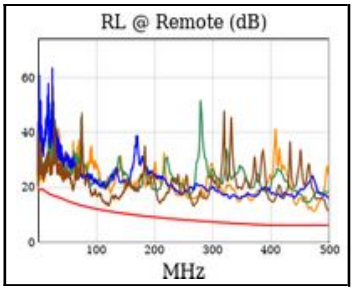












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	3.9	6.5	4.0
Freq. (MHz)	241.0	493.0	469.0	500.0
Limit (dB)	33.4	26.3	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.7	6.0	8.6	6.0
Freq. (MHz)	241.0	500.0	500.0	500.0
Limit (dB)	30.4	23.2	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.4	9.7	10.0	9.7
Freq. (MHz)	317.0	492.0	500.0	492.0
Limit (dB)	13.2	9.4	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	9.7	11.6	11.6
Freq. (MHz)	338.0	341.0	470.0	492.0
Limit (dB)	9.7	9.6	6.8	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	7.8	29.3	27.6
Freq. (MHz)	5.4	5.3	470.0	500.0
Limit (dB)	56.2	56.4	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	9.9	31.7	29.1
Freq. (MHz)	5.4	5.3	500.0	500.0
Limit (dB)	53.7	53.9	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.6	1.8	6.9	5.1
Freq. (MHz)	11.1	123.0	490.0	477.0
Limit (dB)	18.8	11.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-A

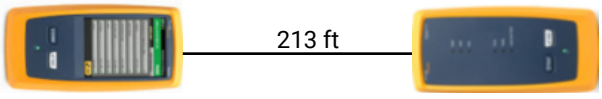
Test Summary: PASS

Date / Time: 12/03/2022 05:10:03 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

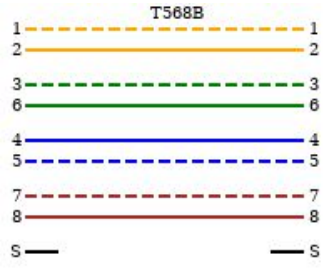
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

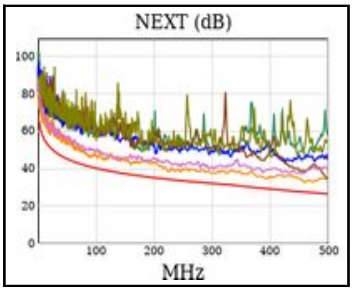
Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	337
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	18.6
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

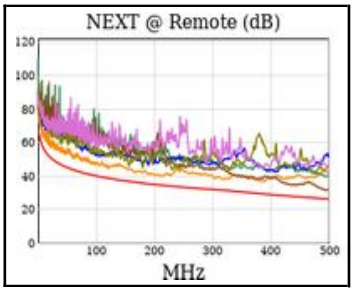


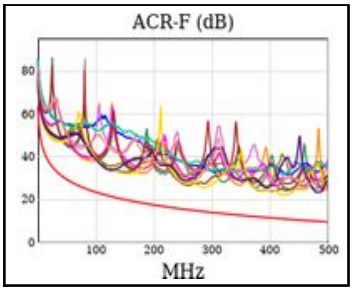
PASS

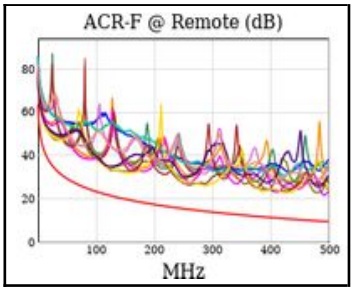


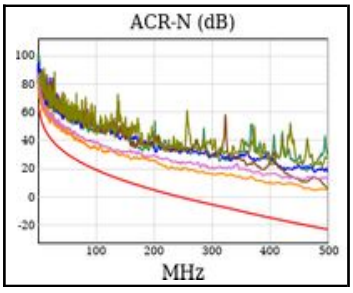


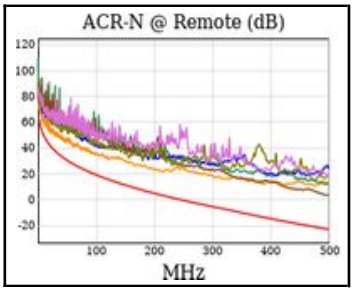


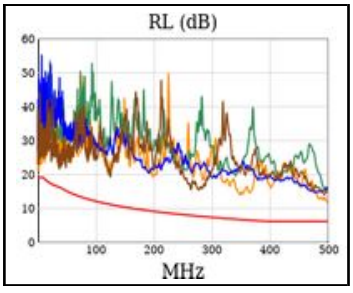


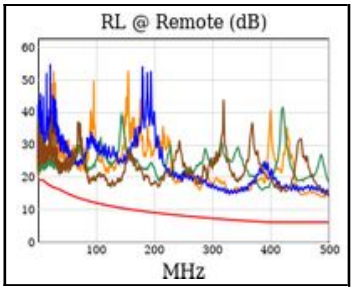












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.0	4.9	5.1	4.9
Freq. (MHz)	227.5	495.0	461.0	495.0
Limit (dB)	33.8	26.2	27.1	26.2
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	6.5	7.0	7.9	7.1
Freq. (MHz)	227.5	180.5	500.0	495.0
Limit (dB)	30.9	32.6	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	10.9	11.3	10.9	12.0
Freq. (MHz)	425.0	261.0	425.0	493.0
Limit (dB)	10.7	14.9	10.7	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	12.1	13.0
Freq. (MHz)	1.9	261.0	420.0	493.0
Limit (dB)	54.8	11.9	7.8	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	7.9	25.8	26.1
Freq. (MHz)	3.3	8.0	477.0	500.0
Limit (dB)	60.7	52.4	-21.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	9.6	28.0	27.6
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	4.8	3.2	5.8	7.6
Freq. (MHz)	12.0	11.1	500.0	493.0
Limit (dB)	18.6	18.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-A

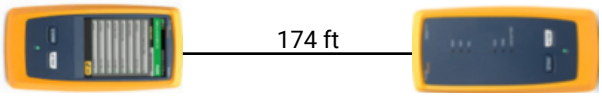
Test Summary: PASS

Date / Time: 11/23/2022 05:19:07 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

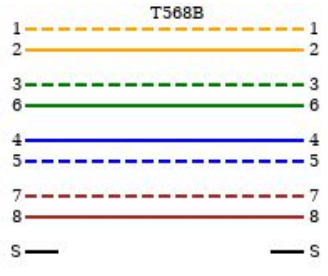
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

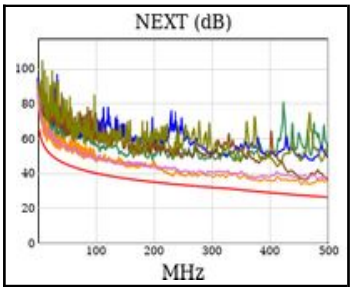
Length (ft), Limit 328	[Pair 1,2]	174
Prop. Delay (ns), Limit 555	[Pair 4,5]	273
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	25.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

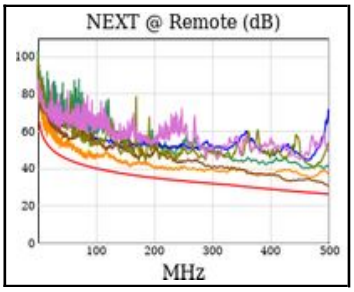


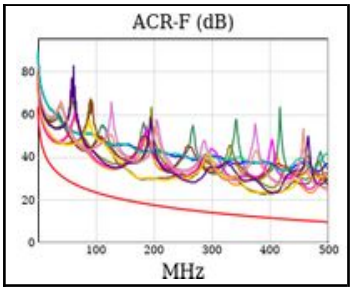
PASS

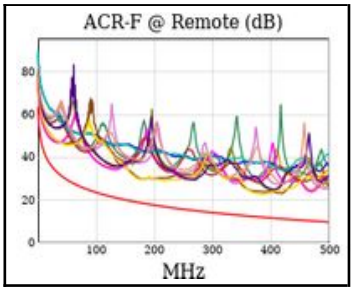


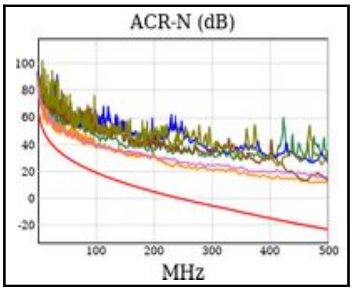


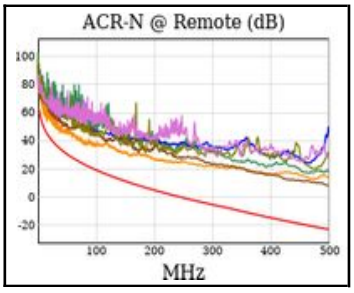


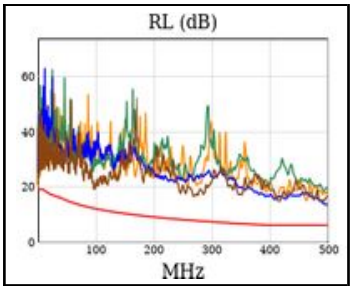


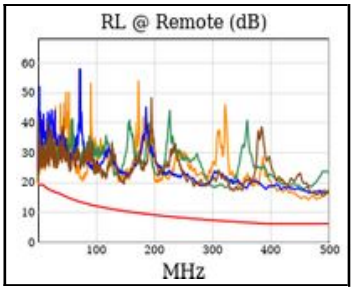












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	3.8	6.6	4.3
Freq. (MHz)	232.5	84.5	470.0	500.0
Limit (dB)	33.7	41.2	26.8	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	7.0	5.9	7.6	6.3
Freq. (MHz)	232.5	84.5	462.0	500.0
Limit (dB)	30.7	38.3	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.9	10.8	11.0	10.8
Freq. (MHz)	8.5	389.0	392.0	389.0
Limit (dB)	44.7	11.5	11.4	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	12.1	12.4
Freq. (MHz)	8.5	2.5	407.0	410.0
Limit (dB)	41.7	52.3	8.1	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	8.5	31.9	30.7
Freq. (MHz)	16.1	16.1	470.0	500.0
Limit (dB)	45.0	45.0	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.7	10.6	35.2	32.0
Freq. (MHz)	16.0	16.0	500.0	500.0
Limit (dB)	42.4	42.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	6.8	5.5	7.4	7.9
Freq. (MHz)	97.3	12.9	500.0	466.0
Limit (dB)	12.1	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 140-B

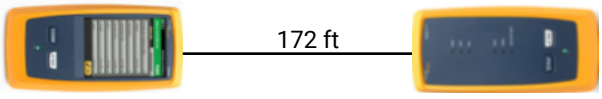
Test Summary: PASS

Date / Time: 11/23/2022 05:19:43 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

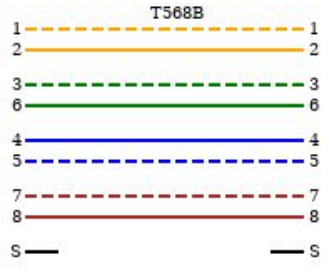
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	172
Prop. Delay (ns), Limit 555	[Pair 4,5]	273
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	11.8
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS

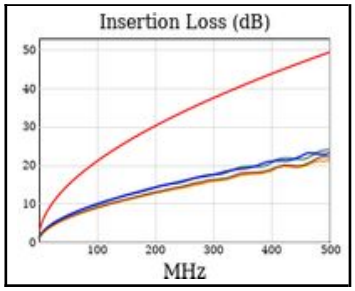


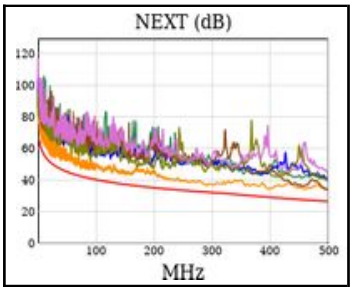
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.1	2.5	7.1	4.0
Freq. (MHz)	291.0	79.0	500.0	500.0
Limit (dB)	32.0	41.7	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	4.9	7.2	6.0
Freq. (MHz)	291.0	85.0	500.0	500.0
Limit (dB)	29.0	38.3	23.2	23.2

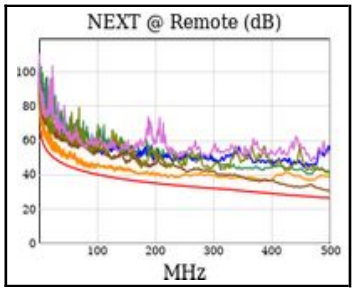
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.1	10.7	10.9
Freq. (MHz)	362.0	322.0	500.0	497.0
Limit (dB)	12.1	13.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.0	10.6	11.5
Freq. (MHz)	6.4	2.4	500.0	497.0
Limit (dB)	44.2	52.7	6.3	6.3

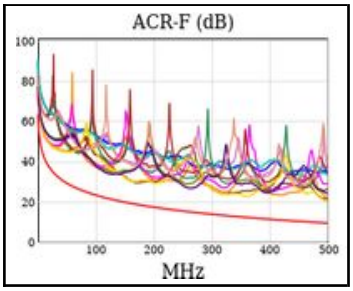
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.5	7.4	33.3	30.2
Freq. (MHz)	8.0	8.0	500.0	500.0
Limit (dB)	52.4	52.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	9.4	32.3	31.4
Freq. (MHz)	8.0	7.9	498.0	500.0
Limit (dB)	49.8	50.0	-25.9	-26.1

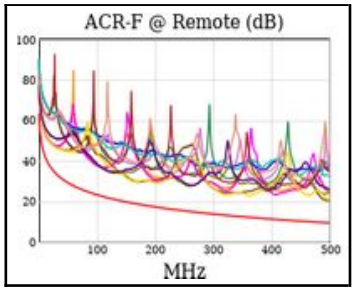
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.1	4.7	7.2	7.9
Freq. (MHz)	12.9	12.9	488.0	478.0
Limit (dB)	18.5	18.5	6.0	6.0

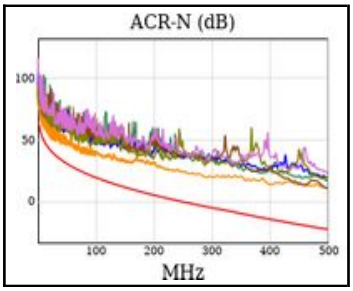


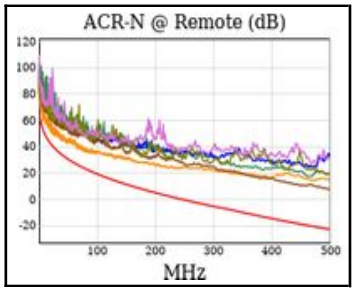


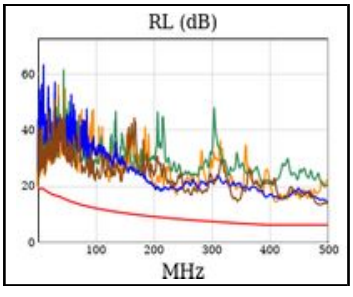


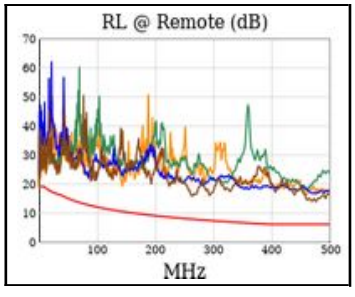












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-A

Test Summary: PASS

Date / Time: 11/23/2022 07:22:28 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	190
Prop. Delay (ns), Limit 555	[Pair 4,5]	301
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 7,8]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	23.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	4.2	6.4	6.8	8.2
Freq. (MHz)	231.0	284.0	500.0	499.0
Limit (dB)	33.7	32.2	26.1	26.1
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	6.6	7.9	7.1	8.5
Freq. (MHz)	461.0	321.0	500.0	498.0
Limit (dB)	24.2	28.2	23.2	23.3

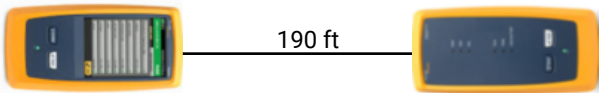
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	8.9	10.6	8.9
Freq. (MHz)	396.0	393.0	429.0	393.0
Limit (dB)	11.3	11.4	10.6	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.4	10.2	10.6
Freq. (MHz)	401.0	407.0	401.0	413.0
Limit (dB)	8.2	8.1	8.2	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	11.6	12.6	30.8	32.3
Freq. (MHz)	8.5	3.3	500.0	500.0
Limit (dB)	51.8	60.7	-23.2	-23.2
Worst Pair	1,2	3,6	3,6	4,5
PS ACR-N (dB)	12.7	12.0	30.9	32.5
Freq. (MHz)	4.6	3.4	500.0	498.0
Limit (dB)	55.1	57.9	-26.1	-25.9

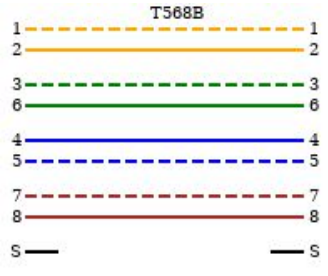
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	4,5
RL (dB)	5.7	1.8	6.9	6.1
Freq. (MHz)	23.4	23.5	489.0	500.0
Limit (dB)	17.2	17.1	6.0	6.0

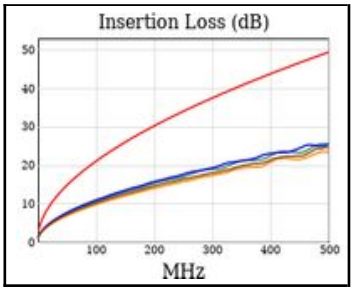
Compliant Network Standards:

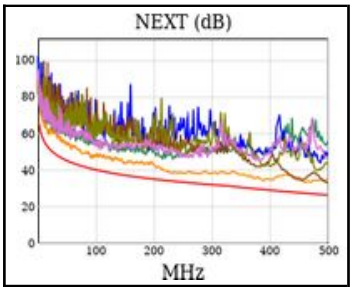
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

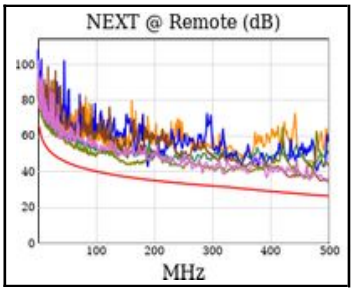


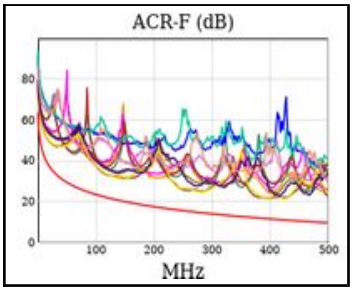
PASS

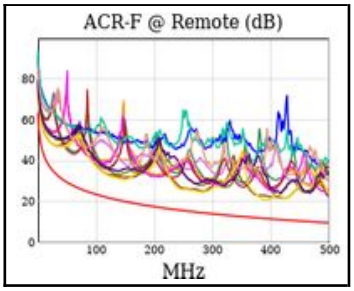


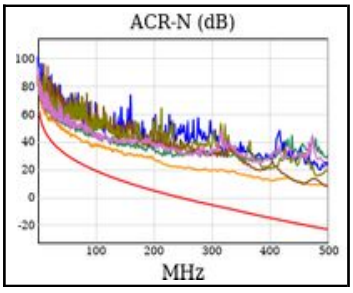


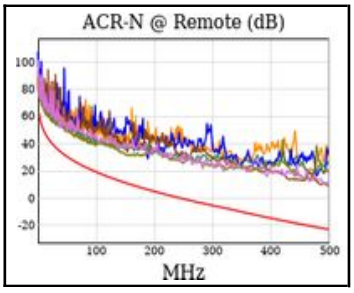


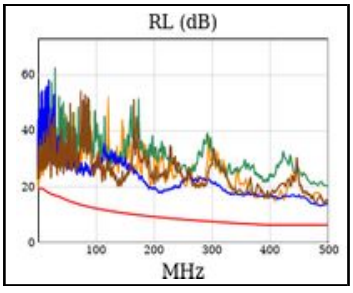


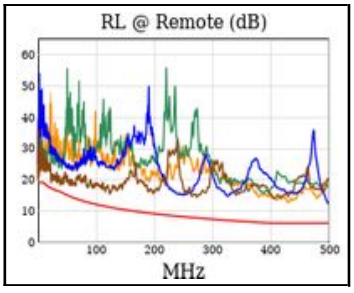












FLUKE networks

LinkWare Live

Cable ID: 139-A

Test Summary: PASS

Date / Time: 12/17/2022 07:37:15 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	146
Prop. Delay (ns), Limit 555	[Pair 4,5]	226
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	6.1	5.7	7.2
Freq. (MHz)	223.5	185.0	400.0	499.0
Limit (dB)	34.0	35.4	28.7	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	4.5	7.0	6.2	7.9
Freq. (MHz)	223.5	240.0	400.0	499.0
Limit (dB)	31.0	30.5	25.8	23.3

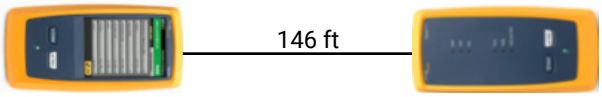
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.8	11.2	11.3
Freq. (MHz)	311.0	318.0	415.0	404.0
Limit (dB)	13.4	13.2	10.9	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.7	12.2	15.0
Freq. (MHz)	1.0	3.3	402.0	491.0
Limit (dB)	60.3	50.0	8.2	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	9.6	10.9	40.3	37.5
Freq. (MHz)	4.4	4.6	496.0	499.0
Limit (dB)	58.1	57.6	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	10.0	37.3	38.3
Freq. (MHz)	6.9	2.5	457.0	499.0
Limit (dB)	51.3	58.7	-22.7	-26.0

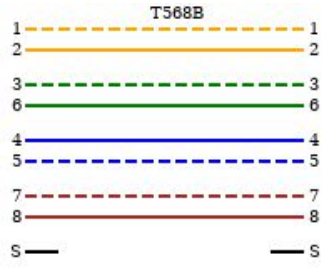
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.0	5.1	6.9	7.6
Freq. (MHz)	78.8	33.3	402.0	486.0
Limit (dB)	13.0	16.4	6.0	6.0

Compliant Network Standards:

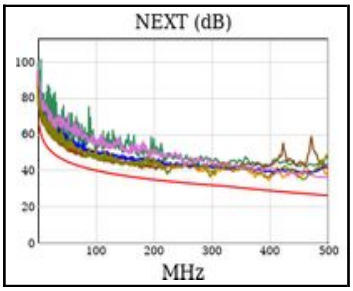
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

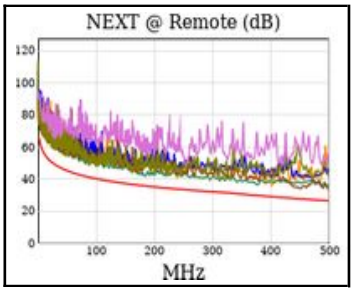


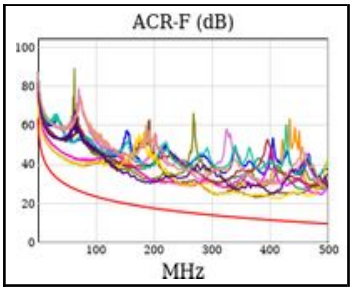
PASS

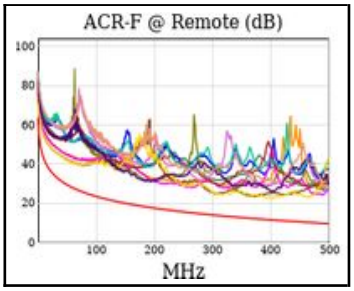


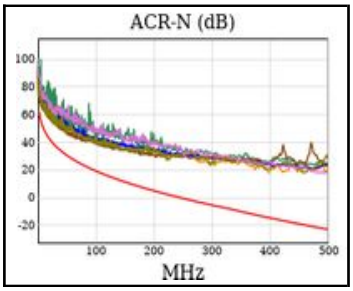


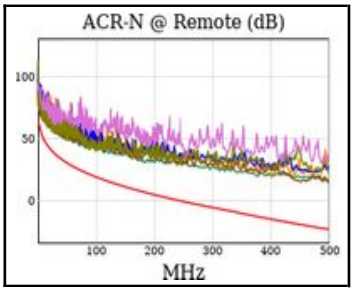


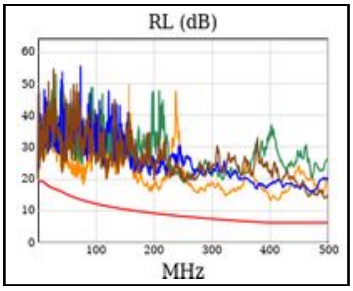


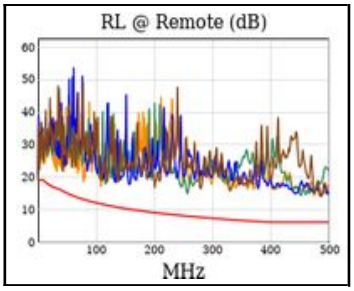












FLUKE networks

LinkWare Live

Cable ID: 139-B

Test Summary: PASS

Date / Time: 12/17/2022 07:37:33 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	145
Prop. Delay (ns), Limit 555	[Pair 4,5]	225
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	4.4	4.1	5.2	4.1
Freq. (MHz)	167.5	396.0	391.0	396.0
Limit (dB)	36.1	28.9	29.0	28.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	6.1	6.5	6.5
Freq. (MHz)	167.0	4.8	397.0	396.0
Limit (dB)	33.2	59.3	25.9	25.9

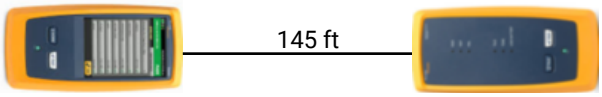
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.1	11.0	11.1
Freq. (MHz)	322.0	305.0	376.0	397.0
Limit (dB)	13.1	13.6	11.8	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.7	11.1	10.8
Freq. (MHz)	330.0	322.0	342.0	326.0
Limit (dB)	9.9	10.1	9.6	10.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	9.7	40.2	36.9
Freq. (MHz)	4.5	4.8	500.0	495.0
Limit (dB)	57.8	57.3	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.0	39.9	38.8
Freq. (MHz)	4.6	4.8	499.0	495.0
Limit (dB)	55.1	54.8	-26.0	-25.7

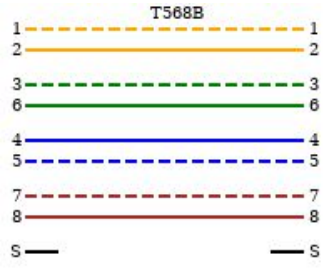
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	5.1	7.0	6.9
Freq. (MHz)	72.3	137.0	408.0	477.0
Limit (dB)	13.4	10.6	6.0	6.0

Compliant Network Standards:

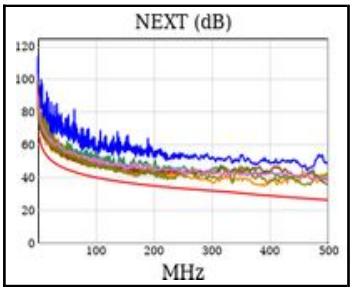
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

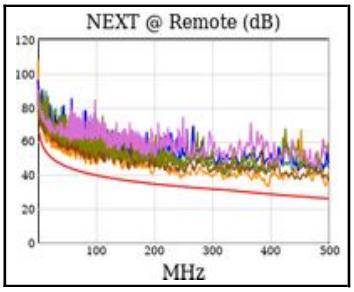


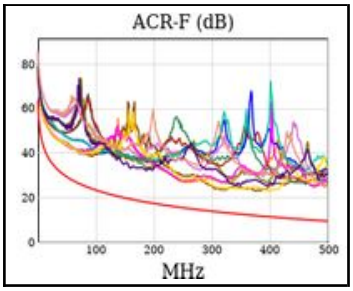
PASS

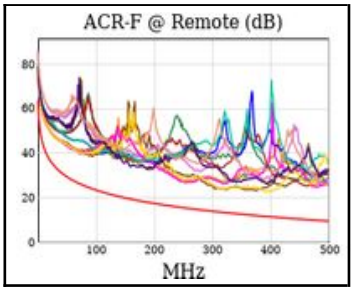


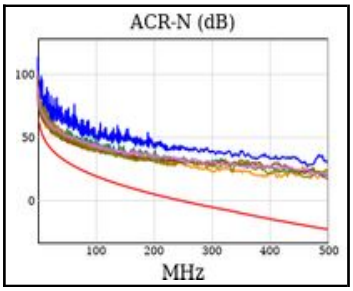


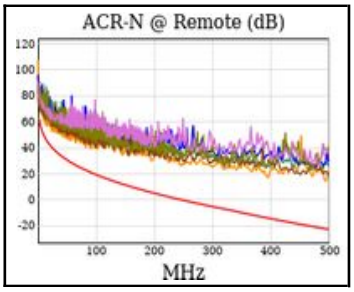


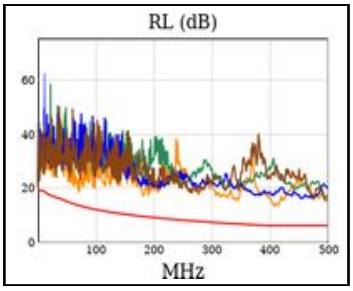


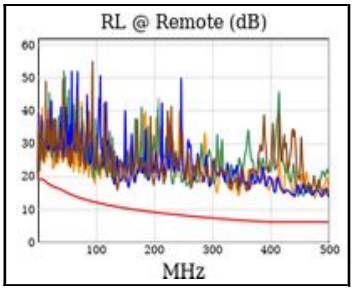












FLUKE networks

LinkWare Live

Cable ID: 141-A

Test Summary: PASS

Date / Time: 12/17/2022 07:36:34 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	199
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.0
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	6.7	6.4	6.8
Freq. (MHz)	199.5	2.9	460.0	484.0
Limit (dB)	34.8	65.0	27.1	26.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.5	6.0	6.8	9.0
Freq. (MHz)	199.5	16.5	460.0	484.0
Limit (dB)	31.9	50.4	24.2	23.6

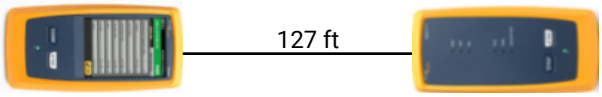
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.2	10.8	10.3	10.9
Freq. (MHz)	412.0	393.0	413.0	395.0
Limit (dB)	11.0	11.4	10.9	11.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.0	12.0	11.0	13.2
Freq. (MHz)	411.0	11.8	411.0	393.0
Limit (dB)	8.0	38.9	8.0	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.2	9.2	37.5	38.6
Freq. (MHz)	5.0	2.9	460.0	484.0
Limit (dB)	56.9	61.4	-20.0	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	9.1	37.9	40.0
Freq. (MHz)	5.3	5.4	460.0	484.0
Limit (dB)	53.9	53.7	-22.9	-24.8

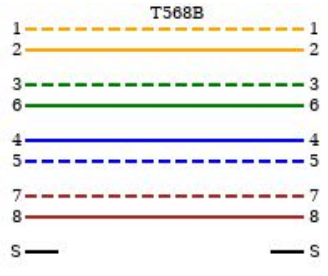
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.6	6.5	7.8	7.5
Freq. (MHz)	63.3	57.3	403.0	496.0
Limit (dB)	14.0	14.4	6.0	6.0

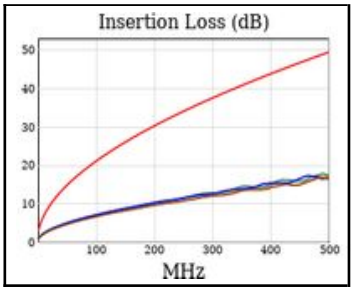
Compliant Network Standards:

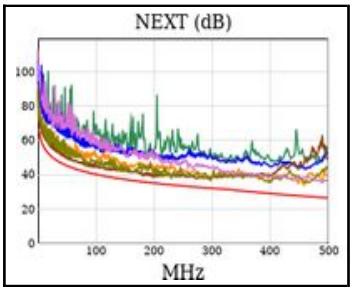
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

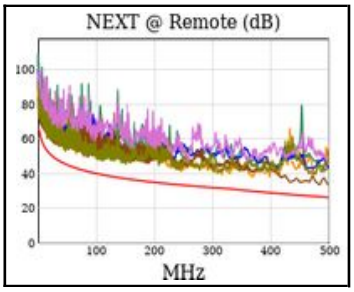


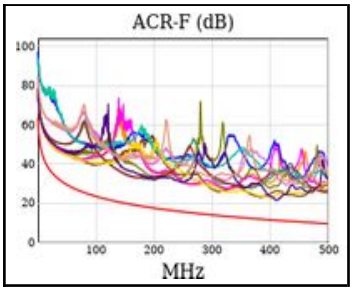
PASS

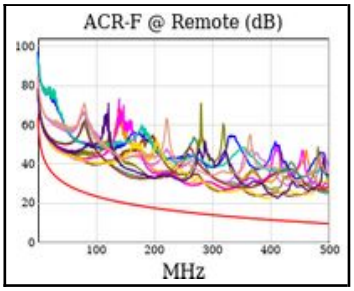


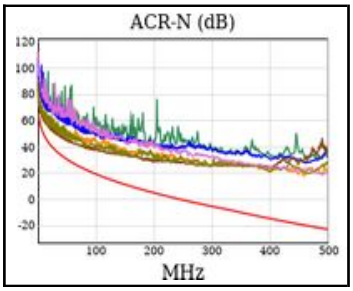


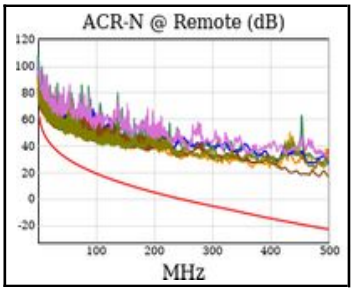


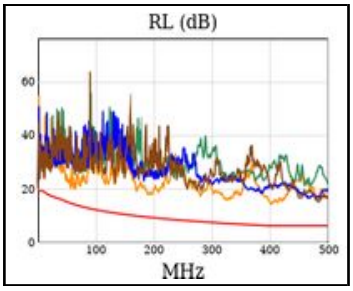


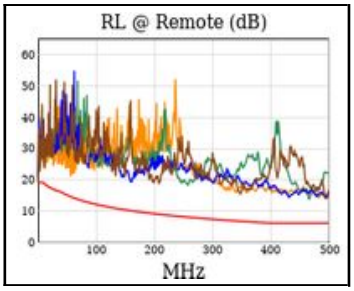












FLUKE networks

LinkWare Live

Cable ID: 13-A

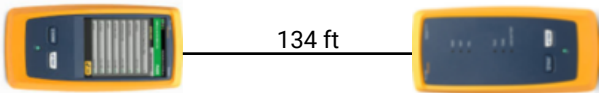
Test Summary: PASS

Date / Time: 11/22/2022 07:38:29 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

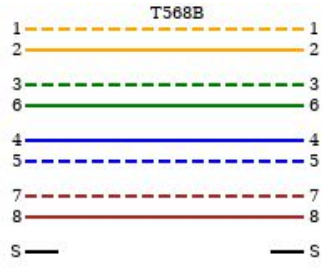
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

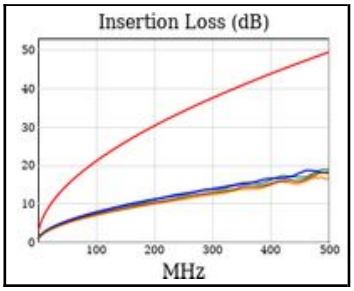
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

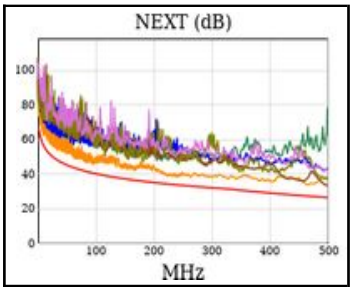
Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	212
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	7.7
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

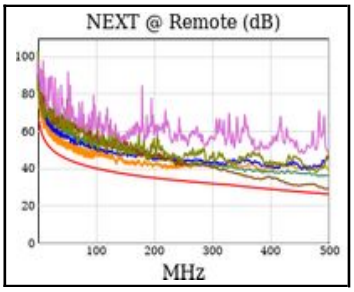


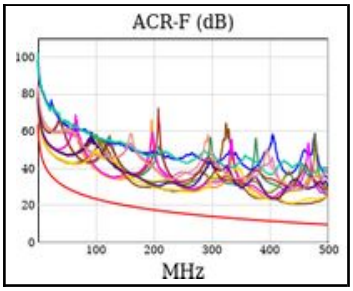
PASS

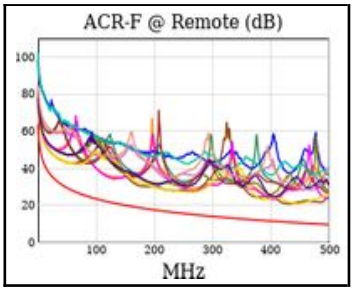


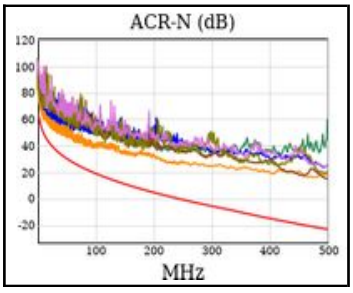


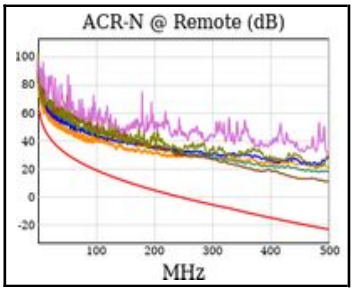


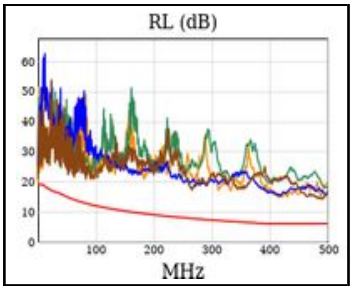


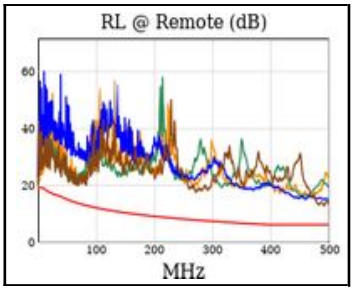












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.5	2.5	6.7	2.7
Freq. (MHz)	240.5	493.0	498.0	498.0
Limit (dB)	33.4	26.3	26.1	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.7	4.7	7.2	4.9
Freq. (MHz)	240.0	493.0	500.0	500.0
Limit (dB)	30.5	23.4	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	9.8	10.0	10.0
Freq. (MHz)	447.0	431.0	447.0	437.0
Limit (dB)	10.3	10.6	10.3	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.1	10.5	11.1
Freq. (MHz)	412.0	404.0	412.0	404.0
Limit (dB)	8.0	8.1	8.0	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.9	9.3	37.8	33.8
Freq. (MHz)	10.6	10.6	498.0	498.0
Limit (dB)	49.5	49.5	-23.1	-23.1
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.4	10.7	37.7	35.7
Freq. (MHz)	5.3	5.3	500.0	500.0
Limit (dB)	53.9	53.9	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.4	6.1	7.9	6.6
Freq. (MHz)	63.3	63.5	492.0	492.0
Limit (dB)	14.0	14.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 13-B

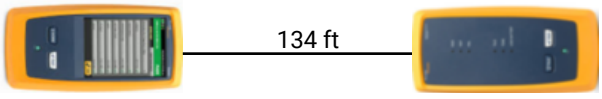
Test Summary: PASS

Date / Time: 11/22/2022 07:40:29 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

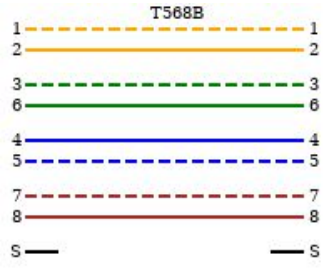
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	212
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	7.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2



PASS



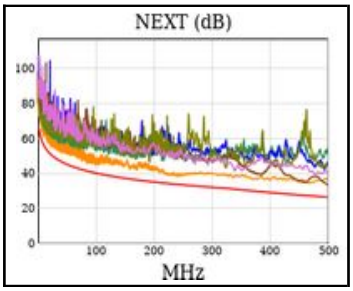
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.3	2.5	6.7	2.9
Freq. (MHz)	100.5	159.0	500.0	498.0
Limit (dB)	39.9	36.5	26.1	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.3	3.2	7.6	3.5
Freq. (MHz)	23.6	159.0	500.0	487.0
Limit (dB)	47.8	33.6	23.2	23.5

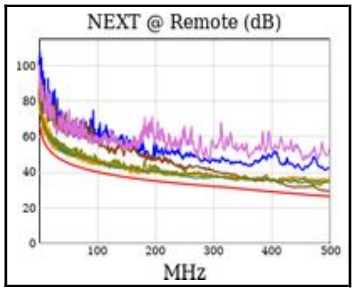
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.8	9.6	10.2	9.6
Freq. (MHz)	250.0	500.0	499.0	500.0
Limit (dB)	15.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.4	10.6	11.2
Freq. (MHz)	5.6	5.6	498.0	500.0
Limit (dB)	45.3	45.3	6.3	6.3

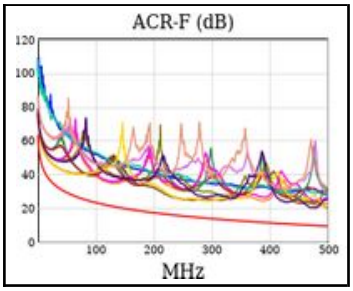
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.7	8.2	37.8	34.0
Freq. (MHz)	10.5	10.4	500.0	499.0
Limit (dB)	49.6	49.7	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.2	37.7	33.7
Freq. (MHz)	7.6	7.6	500.0	498.0
Limit (dB)	50.3	50.3	-26.1	-25.9

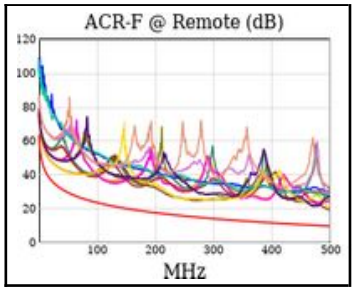
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.9	4.9	7.1	4.9
Freq. (MHz)	18.8	485.0	474.0	485.0
Limit (dB)	17.6	6.0	6.0	6.0

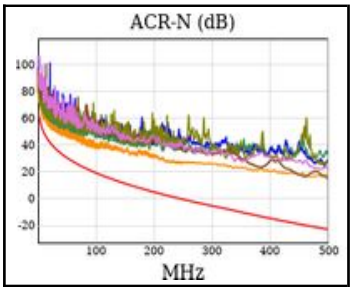


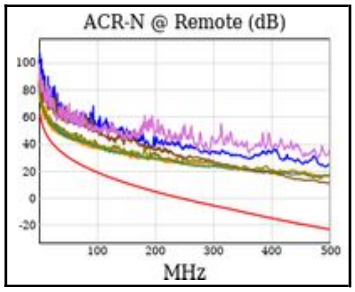


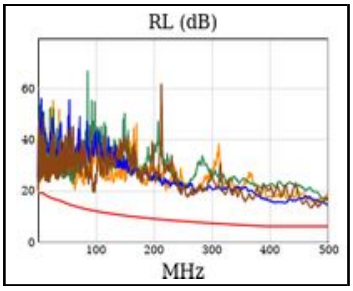


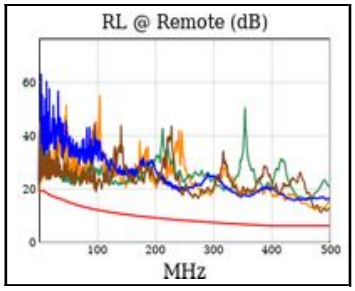












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-A

Test Summary: PASS

Date / Time: 11/27/2022 06:20:11 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	442
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	19.0
Insertion Loss Margin (dB)	[Pair 3,6]	11.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.4	4.5	6.0	4.6
Freq. (MHz)	384.0	485.0	449.0	486.0
Limit (dB)	29.2	26.5	27.4	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	6.6	6.7	6.6
Freq. (MHz)	282.0	500.0	449.0	500.0
Limit (dB)	29.2	23.2	24.5	23.2

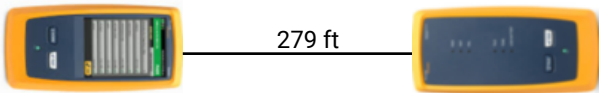
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	1,2-3,6
ACR-F (dB)	10.1	10.4	10.1	10.9
Freq. (MHz)	490.0	115.5	490.0	474.0
Limit (dB)	9.5	22.0	9.5	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.5	10.6	10.6
Freq. (MHz)	485.0	468.0	485.0	473.0
Limit (dB)	6.5	6.9	6.5	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	8.3	20.7	17.5
Freq. (MHz)	10.9	3.5	500.0	500.0
Limit (dB)	49.2	60.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	10.0	21.3	17.8
Freq. (MHz)	3.4	3.5	500.0	500.0
Limit (dB)	57.9	57.6	-26.1	-26.1

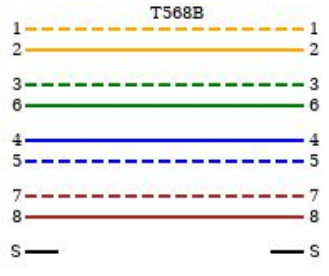
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.9	2.9	6.5	7.6
Freq. (MHz)	5.3	5.4	500.0	488.0
Limit (dB)	19.0	19.0	6.0	6.0

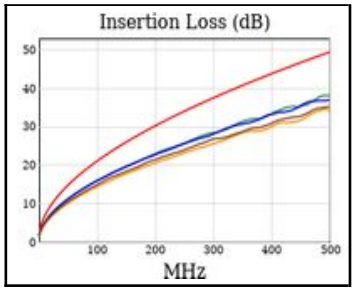
Compliant Network Standards:

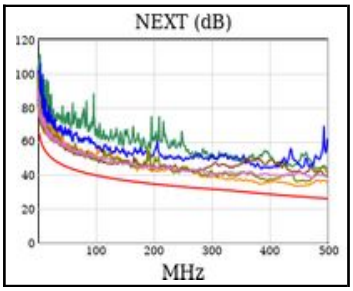
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

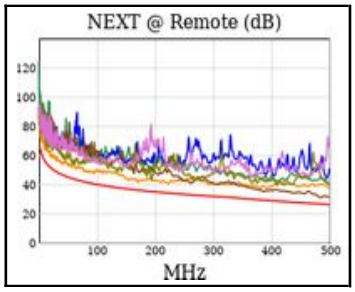


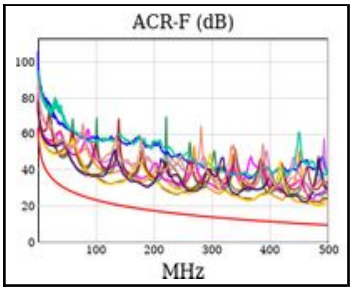
PASS

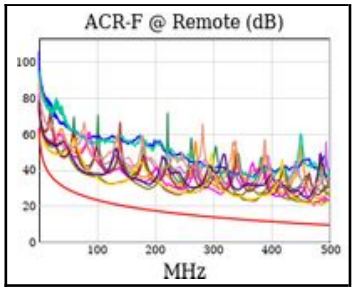


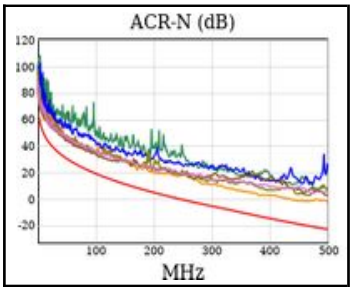


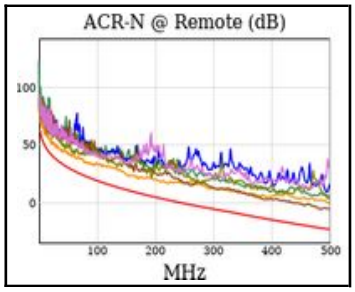


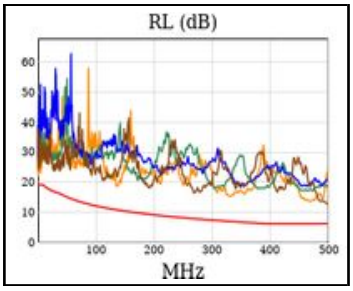


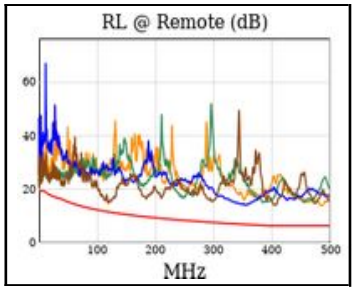












FLUKE networks

LinkWare Live

Cable ID: 142-A

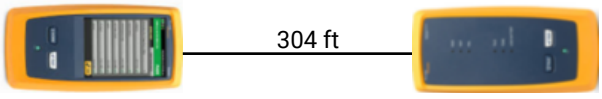
Test Summary: PASS

Date / Time: 11/27/2022 03:01:48 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

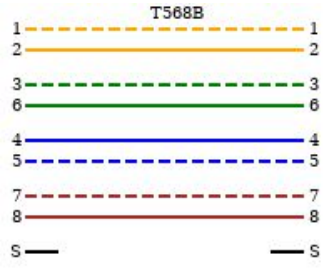
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

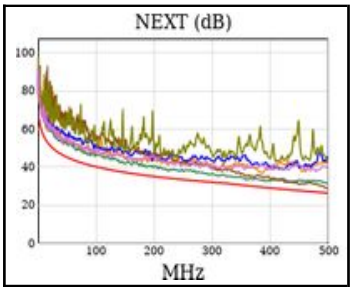
Length (ft), Limit 328	[Pair 1,2]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	481
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 4,5]	14.0
Insertion Loss Margin (dB)	[Pair 4,5]	7.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

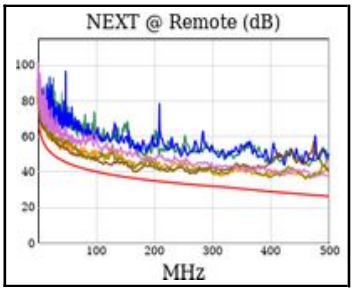


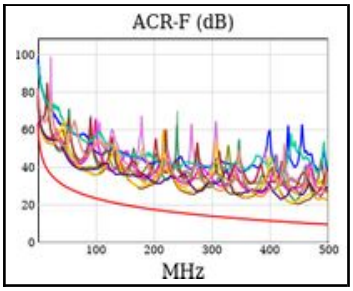
PASS

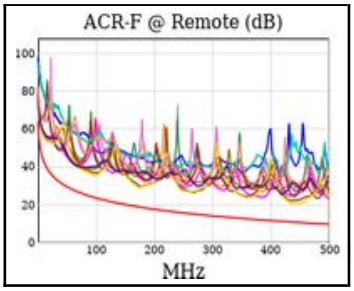


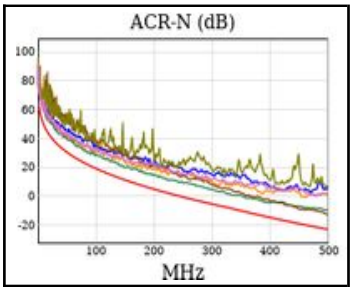


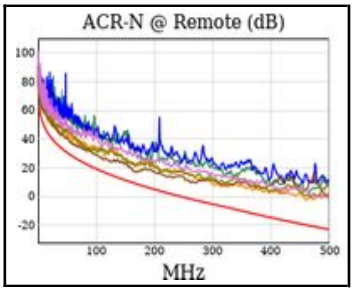


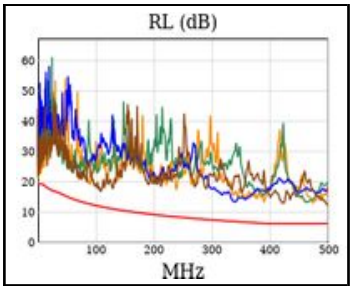


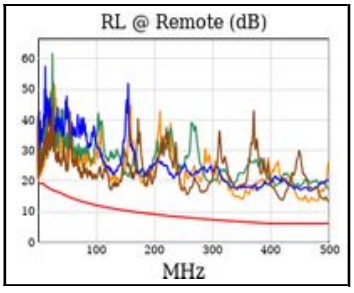












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	2.4	3.7	2.4	8.7
Freq. (MHz)	500.0	167.5	500.0	462.0
Limit (dB)	26.1	36.1	26.1	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	3.1	3.6	3.1	8.5
Freq. (MHz)	499.0	167.5	499.0	461.0
Limit (dB)	23.3	33.2	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.5	10.0	9.6
Freq. (MHz)	449.0	441.0	449.0	442.0
Limit (dB)	10.2	10.4	10.2	10.3
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	10.4	10.7	10.4	10.7
Freq. (MHz)	448.0	442.0	448.0	442.0
Limit (dB)	7.2	7.3	7.2	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.0	6.2	10.2	17.3
Freq. (MHz)	19.0	4.1	500.0	462.0
Limit (dB)	43.1	58.6	-23.2	-20.2
Worst Pair	1,2	3,6	4,5	4,5
PS ACR-N (dB)	8.0	6.6	11.1	20.0
Freq. (MHz)	15.5	4.1	500.0	500.0
Limit (dB)	42.8	56.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.6	3.0	6.2	7.0
Freq. (MHz)	6.1	6.1	499.0	465.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-B

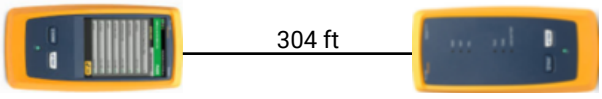
Test Summary: PASS

Date / Time: 11/27/2022 03:09:51 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

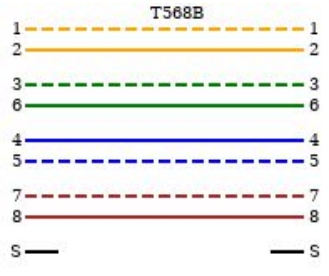
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

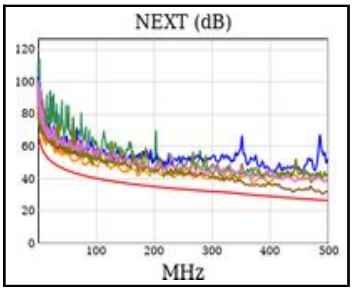
Length (ft), Limit 328	[Pair 1,2]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	482
Delay Skew (ns), Limit 50	[Pair 4,5]	29
Resistance (ohms)	[Pair 4,5]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	7.8
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

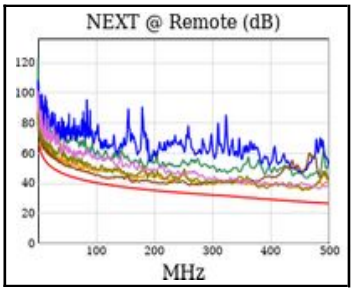


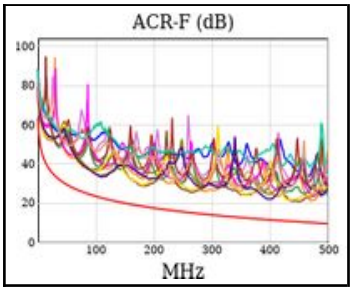
PASS

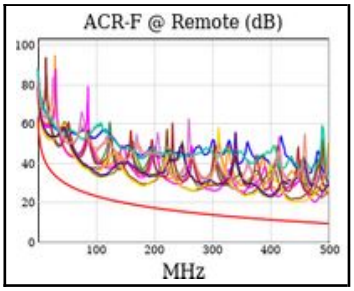


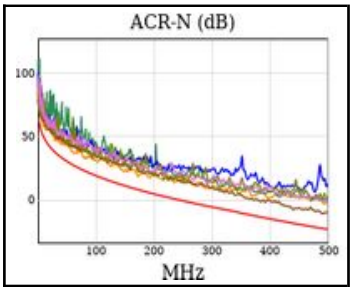


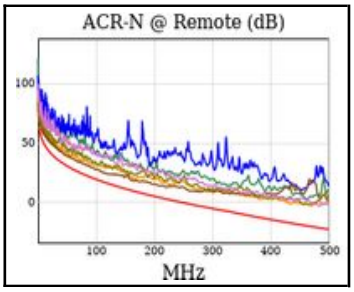


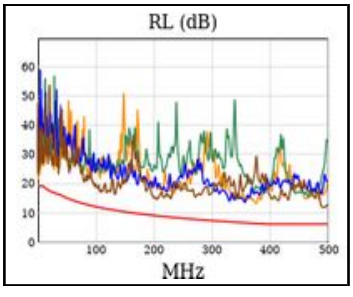


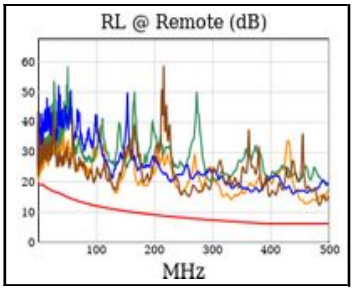












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.8	4.0	3.8	7.7
Freq. (MHz)	492.0	118.5	492.0	456.0
Limit (dB)	26.3	38.7	26.3	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	3.9	5.7	7.9
Freq. (MHz)	492.0	167.5	492.0	457.0
Limit (dB)	23.4	33.2	23.4	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	10.3	9.9	10.4	10.6
Freq. (MHz)	441.0	441.0	452.0	476.0
Limit (dB)	10.4	10.4	10.2	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	11.6	11.6
Freq. (MHz)	181.5	108.5	471.0	476.0
Limit (dB)	15.1	19.5	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	7.3	6.4	11.6	18.4
Freq. (MHz)	10.0	4.1	492.0	484.0
Limit (dB)	50.1	58.6	-22.6	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	5.5	13.4	17.5
Freq. (MHz)	5.4	5.3	492.0	471.0
Limit (dB)	53.7	53.9	-25.5	-23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.1	4.1	5.8	6.2
Freq. (MHz)	4.0	4.0	497.0	485.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-B

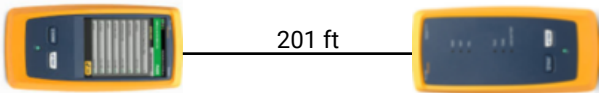
Test Summary: PASS

Date / Time: 12/11/2022 02:20:26 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

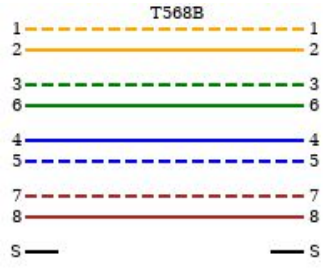
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

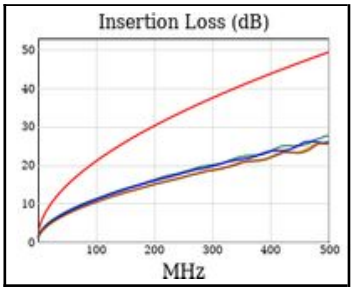
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

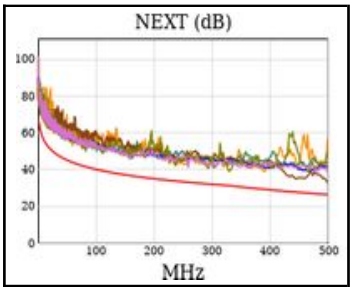
Length (ft), Limit 328	[Pair 7,8]	201
Prop. Delay (ns), Limit 555	[Pair 4,5]	313
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	21.3
Insertion Loss Margin (dB)	[Pair 3,6]	21.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

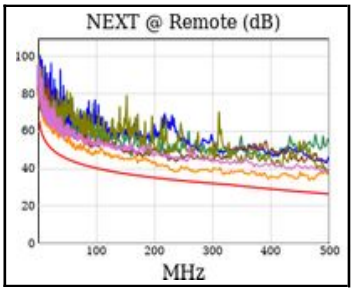


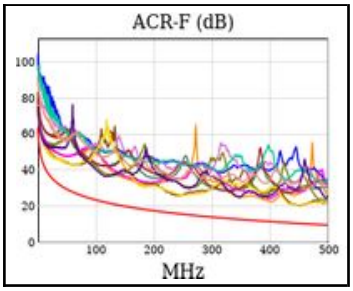
PASS

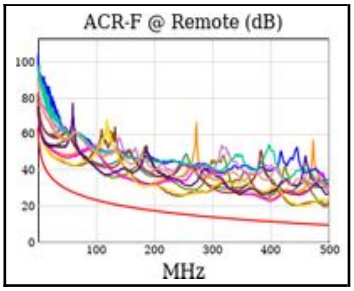


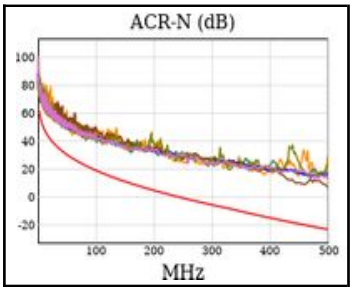


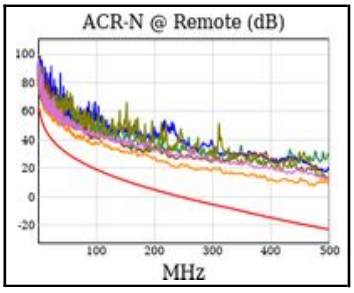


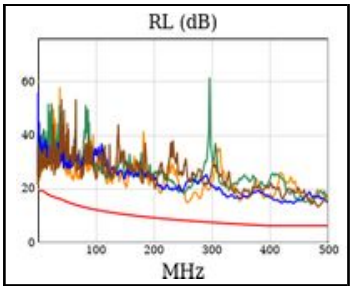


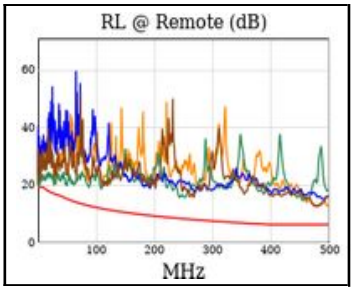












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.6	4.5	6.6	6.4
Freq. (MHz)	500.0	239.0	500.0	467.0
Limit (dB)	26.1	33.5	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.9	6.2	8.3	9.7
Freq. (MHz)	3.3	239.0	500.0	498.0
Limit (dB)	62.0	30.5	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.7	10.1	10.2
Freq. (MHz)	454.0	459.0	454.0	494.0
Limit (dB)	10.1	10.0	10.1	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.7	12.3	10.8
Freq. (MHz)	5.8	495.0	498.0	497.0
Limit (dB)	45.1	6.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.8	10.1	29.9	28.4
Freq. (MHz)	4.8	3.3	500.0	475.0
Limit (dB)	57.3	60.7	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.5	9.0	31.3	31.3
Freq. (MHz)	3.3	3.3	500.0	498.0
Limit (dB)	58.2	58.2	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	6.5	2.3	7.1	6.2
Freq. (MHz)	258.0	7.1	485.0	480.0
Limit (dB)	7.9	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-1-A

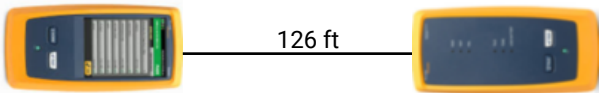
Test Summary: PASS

Date / Time: 12/11/2022 03:49:27 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

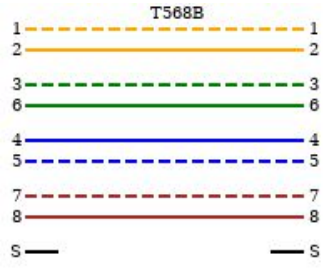
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

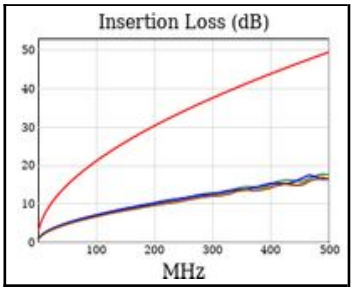
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

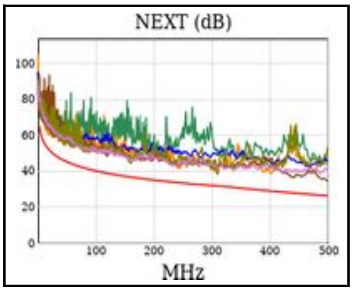
Length (ft), Limit 328	[Pair 7,8]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	197
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

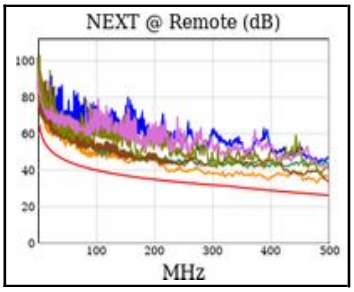


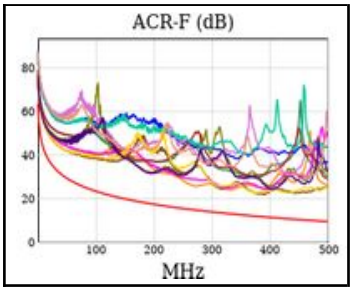
PASS

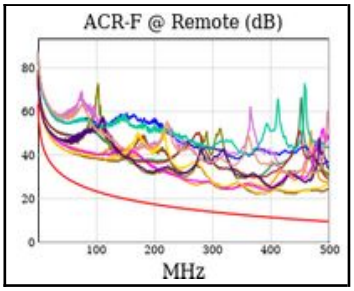


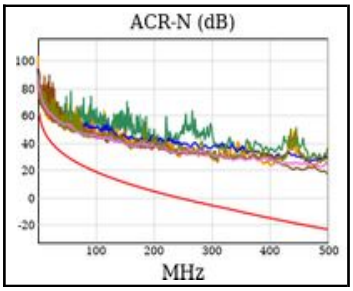


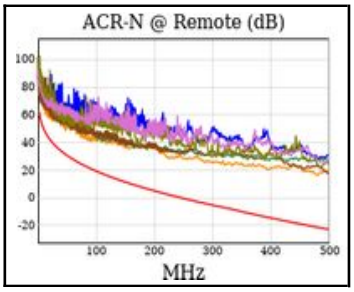


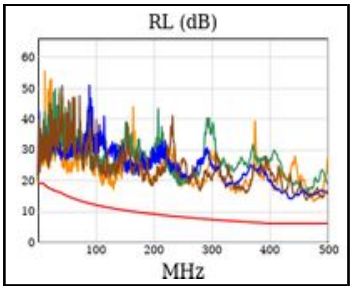


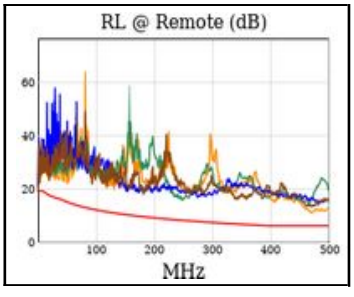












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.4	4.8	8.1	6.2
Freq. (MHz)	310.0	227.0	499.0	480.0
Limit (dB)	31.5	33.8	26.1	26.6
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.9	6.2	9.8	8.0
Freq. (MHz)	310.0	227.0	499.0	500.0
Limit (dB)	28.5	30.9	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.4	10.3	11.8
Freq. (MHz)	391.0	380.0	391.0	443.0
Limit (dB)	11.4	11.7	11.4	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	11.1	10.5
Freq. (MHz)	14.3	397.0	397.0	397.0
Limit (dB)	37.2	8.3	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.6	11.8	41.0	37.2
Freq. (MHz)	2.8	2.8	500.0	480.0
Limit (dB)	61.5	61.5	-23.2	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	12.4	42.1	39.8
Freq. (MHz)	5.3	5.3	499.0	500.0
Limit (dB)	53.9	53.9	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.0	4.9	6.7	4.9
Freq. (MHz)	131.0	471.0	476.0	471.0
Limit (dB)	10.8	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-1-B

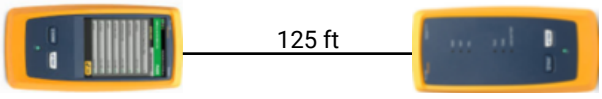
Test Summary: PASS

Date / Time: 12/11/2022 03:49:56 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

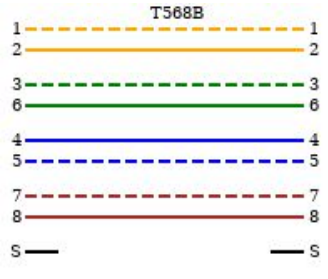
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

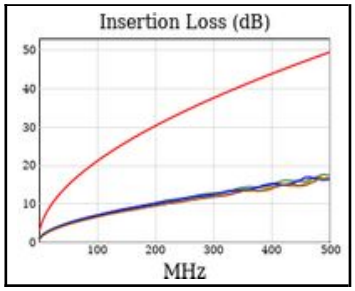
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	195
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

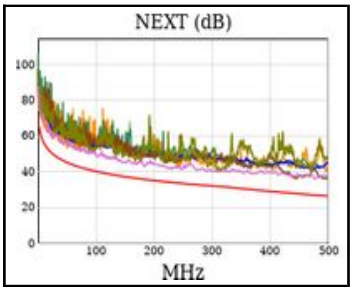


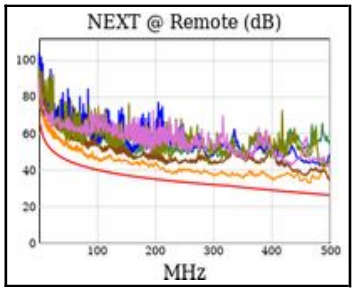
PASS



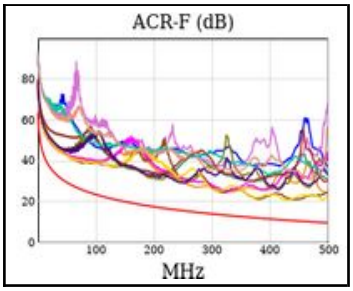


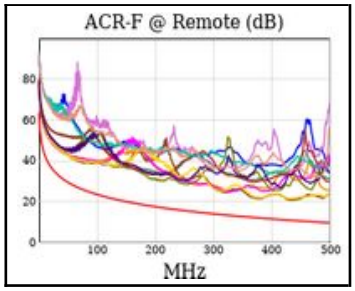
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.1	4.0	9.3	5.5
Freq. (MHz)	184.5	231.5	498.0	467.0
Limit (dB)	35.4	33.7	26.1	26.9
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.8	6.0	9.5	7.4
Freq. (MHz)	310.0	230.5	492.0	467.0
Limit (dB)	28.5	30.8	23.4	24.0



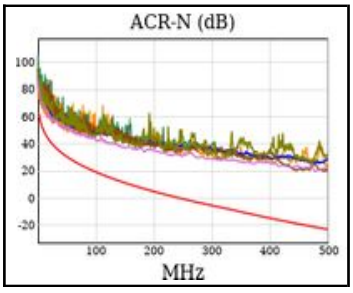


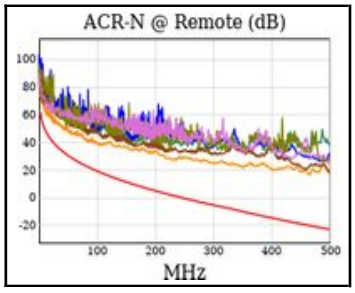
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.3	9.4	9.7	9.9
Freq. (MHz)	379.0	379.0	431.0	436.0
Limit (dB)	11.7	11.7	10.6	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.8	12.7	10.9
Freq. (MHz)	1.4	382.0	492.0	386.0
Limit (dB)	57.5	8.6	6.4	8.5



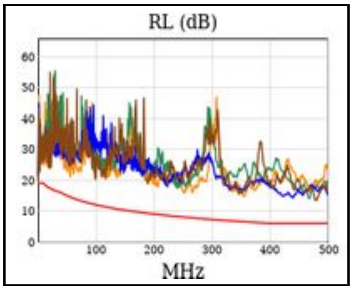


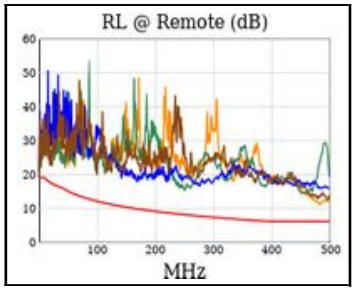
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	11.1	42.3	36.7
Freq. (MHz)	3.1	2.9	498.0	467.0
Limit (dB)	61.1	61.4	-23.1	-20.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	11.5	42.3	40.4
Freq. (MHz)	3.0	2.9	498.0	498.0
Limit (dB)	58.4	58.4	-25.9	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.3	4.8	7.1	4.8
Freq. (MHz)	56.8	484.0	479.0	484.0
Limit (dB)	14.5	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-2-A-2

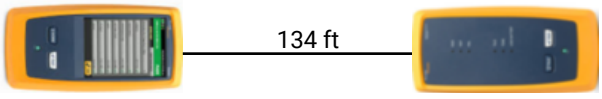
Test Summary: PASS

Date / Time: 12/11/2022 02:34:54 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

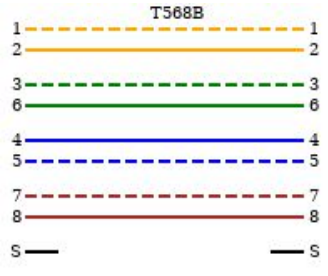
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

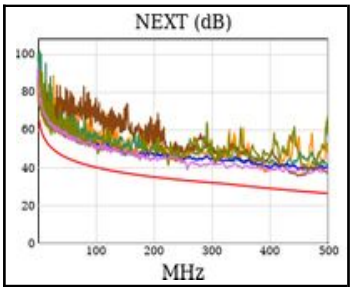
Length (ft), Limit 328	[Pair 7,8]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	16.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	484.0
Limit (dB)	[Pair 3,6]	48.4

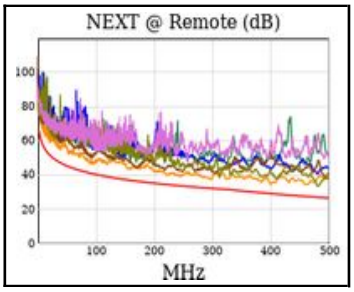


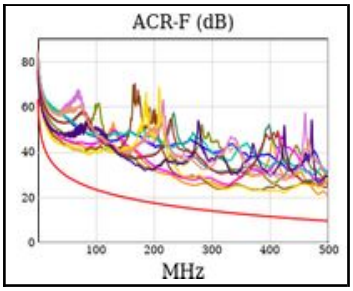
PASS

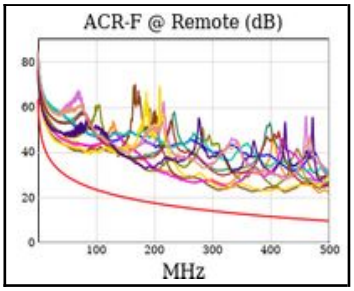


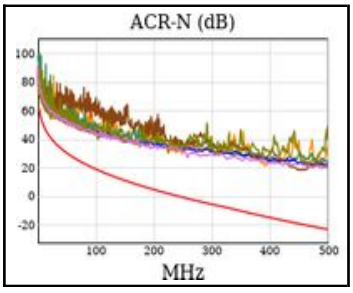


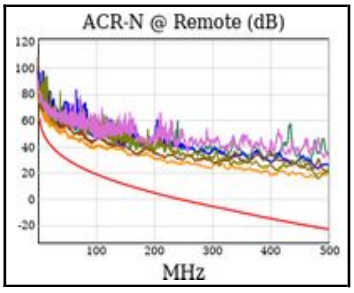


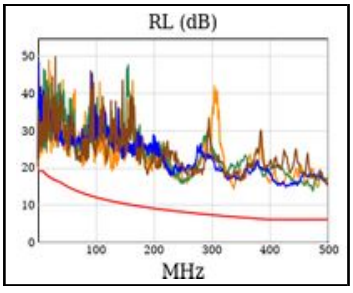


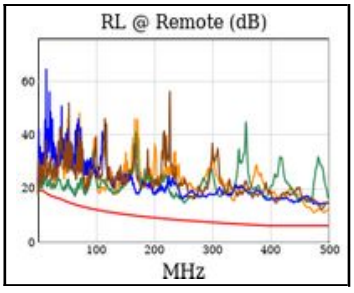












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	5.5	5.1	7.7	6.4
Freq. (MHz)	258.0	297.0	449.0	483.0
Limit (dB)	32.9	31.8	27.4	26.5
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	6.9	6.0	8.5	7.9
Freq. (MHz)	258.0	245.5	449.0	480.0
Limit (dB)	29.9	30.3	24.5	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	10.0	9.5	11.6	12.3
Freq. (MHz)	309.0	309.0	499.0	485.0
Limit (dB)	13.5	13.5	9.3	9.5
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	10.5	10.7	12.0	13.8
Freq. (MHz)	24.3	327.0	486.0	499.0
Limit (dB)	32.6	10.0	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	9.5	10.9	37.3	37.3
Freq. (MHz)	2.4	5.1	454.0	483.0
Limit (dB)	61.7	56.6	-19.5	-21.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.4	10.0	38.8	37.6
Freq. (MHz)	2.5	2.6	464.0	483.0
Limit (dB)	58.7	58.6	-23.2	-24.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	1,2
RL (dB)	6.6	2.6	7.6	4.9
Freq. (MHz)	15.0	23.4	475.0	492.0
Limit (dB)	18.1	17.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-2-B-2

Test Summary: PASS

Date / Time: 12/11/2022 02:36:41 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	133
Prop. Delay (ns), Limit 555	[Pair 4,5]	206
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	13.6
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-7,8	1,2-3,6
NEXT (dB)	7.2	2.9	8.9	6.0
Freq. (MHz)	13.1	234.5	471.0	469.0
Limit (dB)	54.6	33.6	26.8	26.9
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	7.3	5.1	9.3	8.3
Freq. (MHz)	26.6	233.0	460.0	500.0
Limit (dB)	46.9	30.7	24.2	23.2

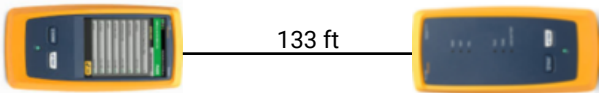
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.9	10.3	10.0
Freq. (MHz)	388.0	381.0	402.0	390.0
Limit (dB)	11.5	11.6	11.2	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.7	11.4	10.7
Freq. (MHz)	323.0	397.0	397.0	397.0
Limit (dB)	10.1	8.3	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-7,8	1,2-3,6
ACR-N (dB)	11.8	11.3	40.1	37.4
Freq. (MHz)	13.1	13.4	476.0	500.0
Limit (dB)	47.2	47.0	-21.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	11.7	39.3	38.8
Freq. (MHz)	4.8	2.5	460.0	500.0
Limit (dB)	54.8	58.7	-22.9	-26.1

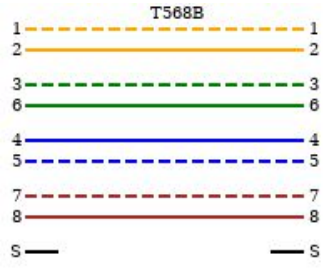
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	6.9	3.8	8.2	4.3
Freq. (MHz)	73.0	47.8	486.0	489.0
Limit (dB)	13.4	15.2	6.0	6.0

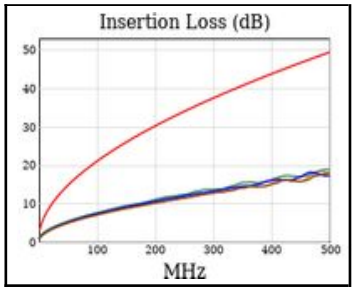
Compliant Network Standards:

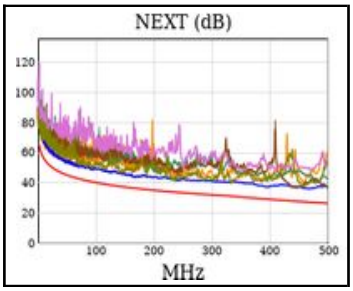
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

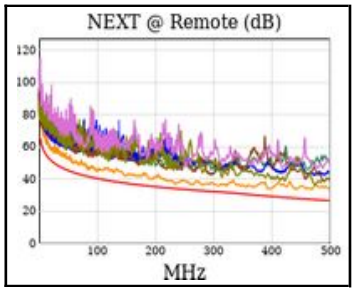


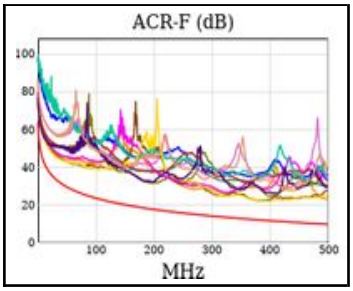
PASS

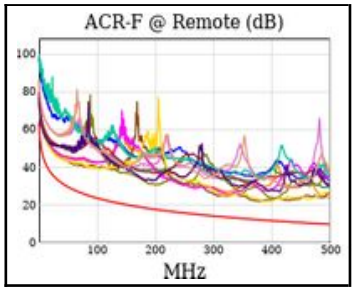


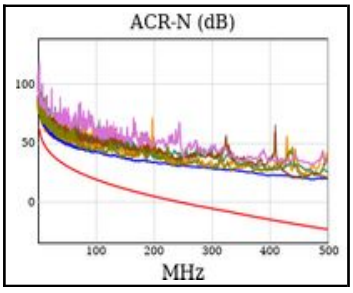


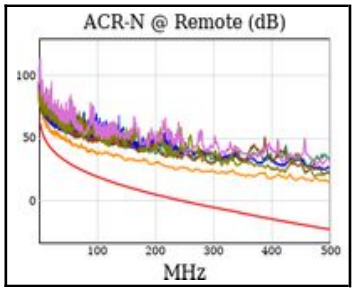


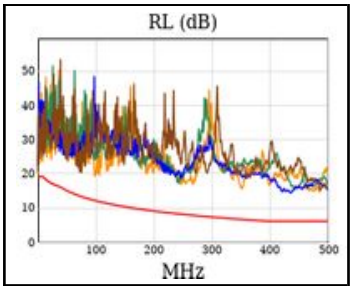


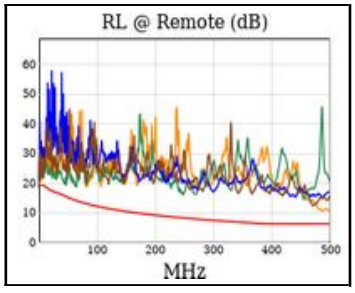












FLUKE networks

LinkWare Live

Cable ID: 142-3-A-2

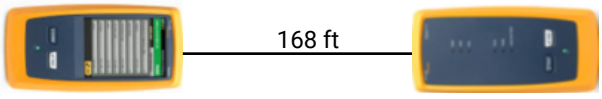
Test Summary: PASS

Date / Time: 12/11/2022 02:23:09 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

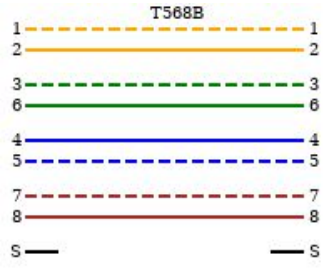
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	168
Prop. Delay (ns), Limit 555	[Pair 4,5]	262
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	16.8
Insertion Loss Margin (dB)	[Pair 3,6]	26.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	7.3	2.4	9.0	5.6
Freq. (MHz)	3.8	206.0	500.0	500.0
Limit (dB)	63.5	34.6	26.1	26.1
Worst Pair	3,6	4,5	4,5	3,6
PS NEXT (dB)	6.6	3.2	10.1	6.5
Freq. (MHz)	3.8	241.0	499.0	500.0
Limit (dB)	61.0	30.4	23.3	23.2

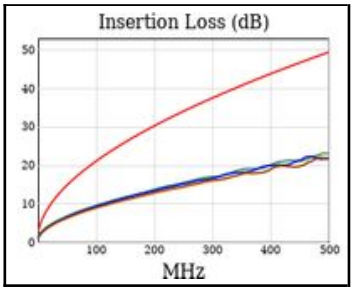
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.3	11.3	12.0	11.3
Freq. (MHz)	9.9	473.0	468.0	473.0
Limit (dB)	43.4	9.8	9.9	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.5	12.7	12.8
Freq. (MHz)	9.1	2.5	471.0	471.0
Limit (dB)	41.1	52.3	6.8	6.8

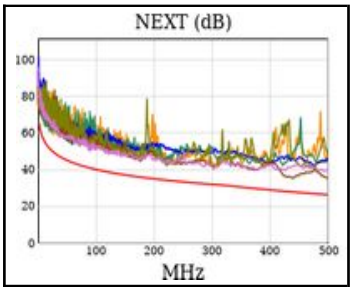
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.6	8.4	36.4	33.0
Freq. (MHz)	3.8	3.8	500.0	500.0
Limit (dB)	59.5	59.5	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.6	8.4	37.7	32.8
Freq. (MHz)	3.8	3.8	500.0	500.0
Limit (dB)	57.0	57.0	-26.1	-26.1

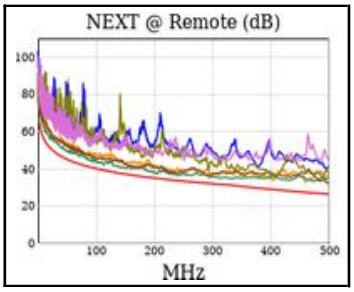
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	6.2	1.8	6.4	5.4
Freq. (MHz)	14.1	11.0	423.0	476.0
Limit (dB)	18.3	18.8	6.0	6.0

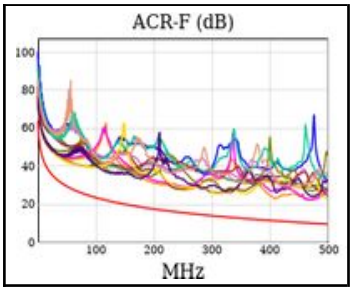
Compliant Network Standards:

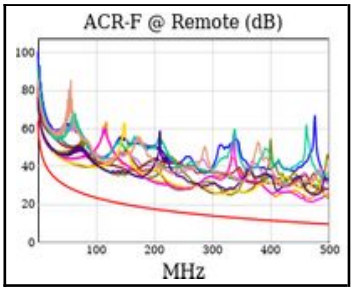
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

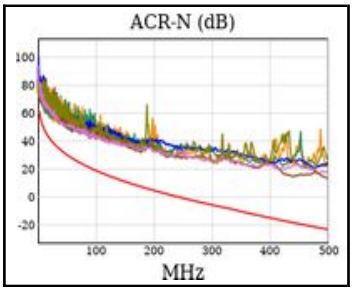


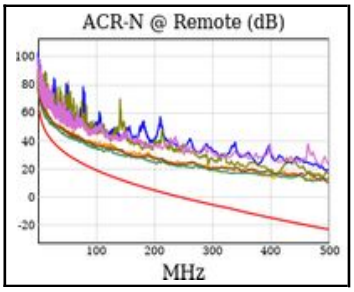


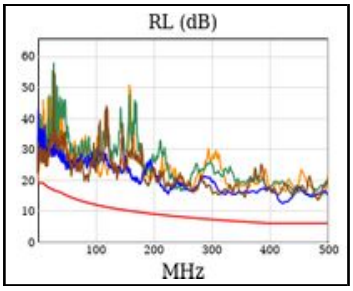


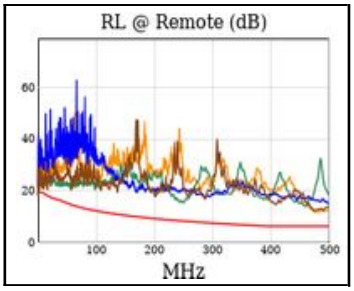












FLUKE networks

LinkWare Live

Cable ID: 142-3-B-2

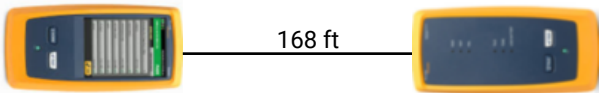
Test Summary: PASS

Date / Time: 12/11/2022 02:26:11 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

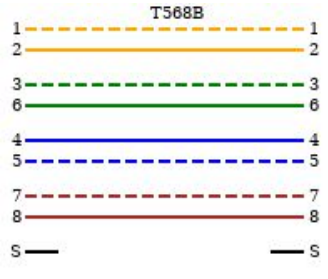
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	168
Prop. Delay (ns), Limit 555	[Pair 4,5]	261
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	17.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.8
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0



PASS

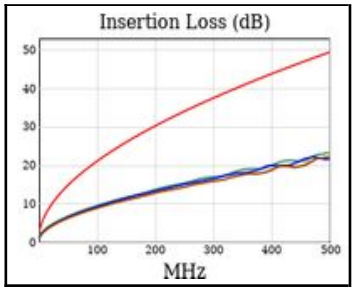


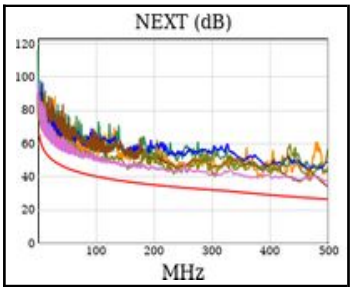
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.4	3.8	8.1	5.2
Freq. (MHz)	155.5	310.0	500.0	492.0
Limit (dB)	36.7	31.5	26.1	26.3
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.7	5.8	8.6	7.0
Freq. (MHz)	155.0	310.0	499.0	492.0
Limit (dB)	33.8	28.5	23.3	23.4

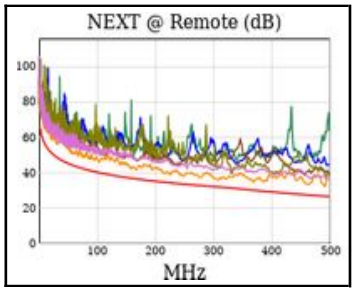
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.7	10.4	11.5	11.3
Freq. (MHz)	304.0	304.0	468.0	467.0
Limit (dB)	13.6	13.6	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.3	12.5	12.6
Freq. (MHz)	11.0	2.6	469.0	467.0
Limit (dB)	39.4	51.9	6.8	6.9

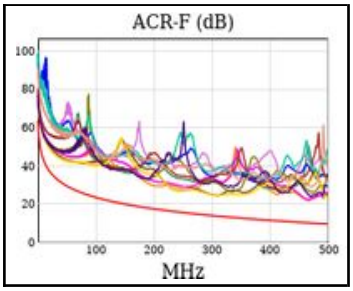
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	10.5	35.7	31.1
Freq. (MHz)	3.8	4.1	500.0	492.0
Limit (dB)	59.5	58.6	-23.2	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.9	9.9	36.4	32.9
Freq. (MHz)	3.8	4.0	500.0	493.0
Limit (dB)	57.0	56.4	-26.1	-25.5

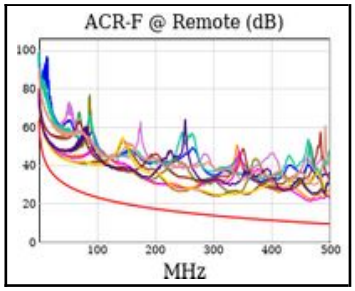
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	7.0	2.1	7.0	5.0
Freq. (MHz)	497.0	10.6	497.0	492.0
Limit (dB)	6.0	18.9	6.0	6.0

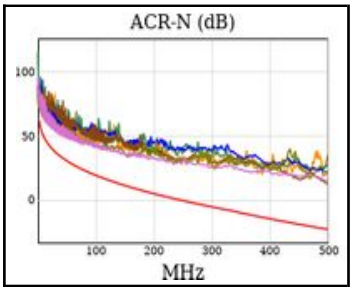


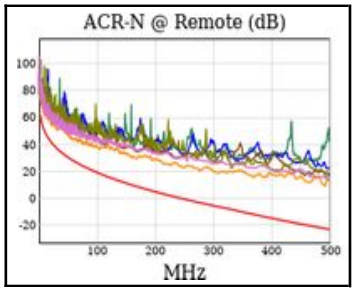


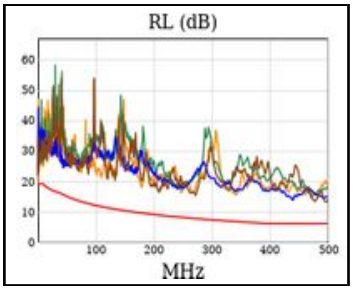


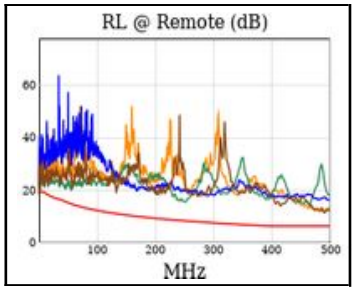












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-B

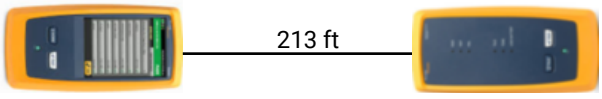
Test Summary: PASS

Date / Time: 12/03/2022 05:10:44 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

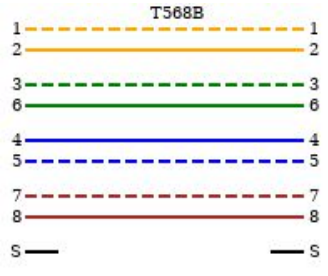
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

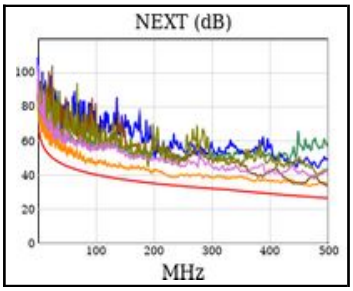
Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	338
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	18.6
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

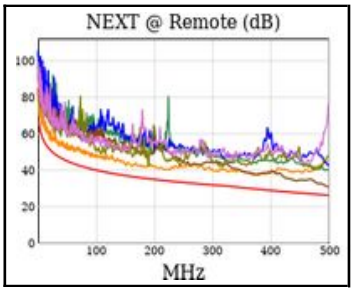


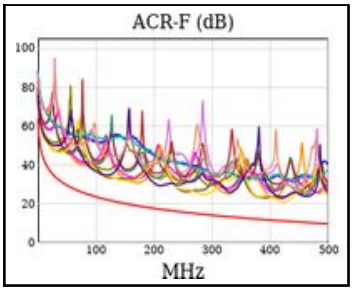
PASS

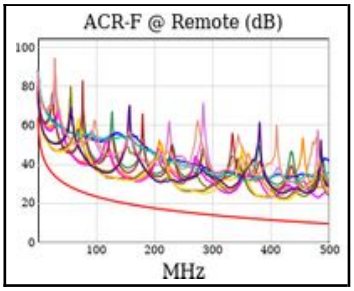


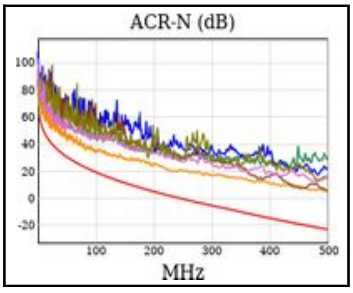


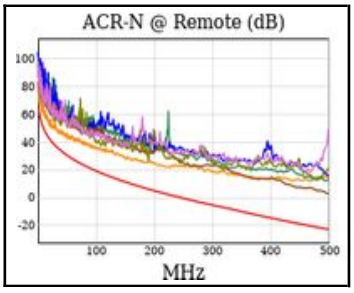


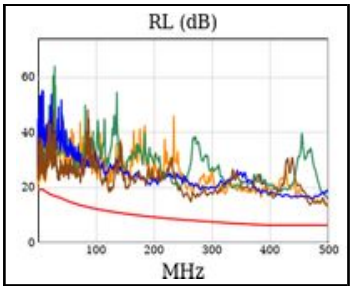


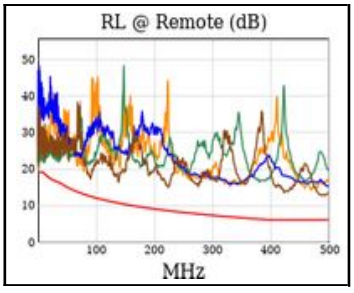












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.5	4.7	6.5	4.8
Freq. (MHz)	229.0	497.0	471.0	500.0
Limit (dB)	33.8	26.2	26.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.4	6.2	7.4	7.2
Freq. (MHz)	3.3	190.5	498.0	500.0
Limit (dB)	62.0	32.2	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.6	9.9	10.6
Freq. (MHz)	422.0	422.0	423.0	422.0
Limit (dB)	10.8	10.8	10.7	10.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.8	9.9	10.8
Freq. (MHz)	417.0	410.0	421.0	410.0
Limit (dB)	7.9	8.0	7.8	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	6.4	6.4	27.9	25.9
Freq. (MHz)	3.3	3.1	493.0	500.0
Limit (dB)	60.7	61.1	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.8	8.3	27.6	27.3
Freq. (MHz)	3.3	3.3	499.0	499.0
Limit (dB)	58.2	58.2	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	3.5	2.8	7.1	6.7
Freq. (MHz)	13.6	11.1	499.0	496.0
Limit (dB)	18.3	18.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-B

Test Summary: PASS

Date / Time: 11/23/2022 07:23:17 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	191
Prop. Delay (ns), Limit 555	[Pair 4,5]	300
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.3	7.2	6.6	7.5
Freq. (MHz)	229.0	172.0	500.0	465.0
Limit (dB)	33.8	35.9	26.1	27.0
Worst Pair	1,2	7,8	3,6	7,8
PS NEXT (dB)	6.3	8.3	7.6	9.0
Freq. (MHz)	385.0	311.0	500.0	465.0
Limit (dB)	26.2	28.5	23.2	24.1

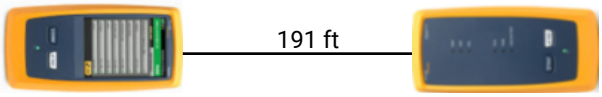
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.3	12.2	9.4
Freq. (MHz)	380.0	389.0	500.0	395.0
Limit (dB)	11.7	11.5	9.3	11.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.7	11.0	10.7	13.3
Freq. (MHz)	395.0	5.6	395.0	500.0
Limit (dB)	8.3	45.3	8.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	10.6	13.1	30.6	33.0
Freq. (MHz)	8.3	3.4	500.0	497.0
Limit (dB)	52.1	60.4	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	12.6	31.6	35.5
Freq. (MHz)	8.3	3.4	500.0	500.0
Limit (dB)	49.5	57.9	-26.1	-26.1

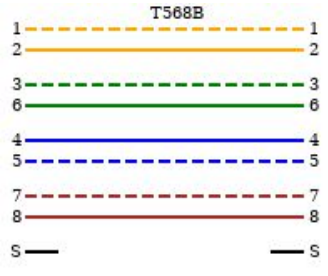
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	5.7	2.6	7.7	6.3
Freq. (MHz)	11.6	71.5	492.0	500.0
Limit (dB)	18.7	13.5	6.0	6.0

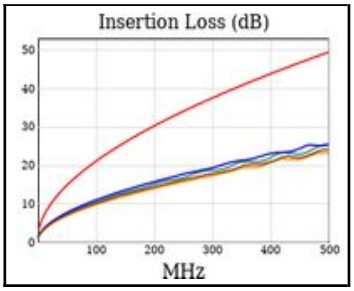
Compliant Network Standards:

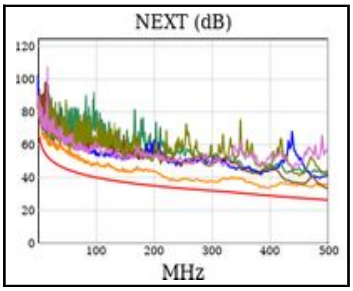
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

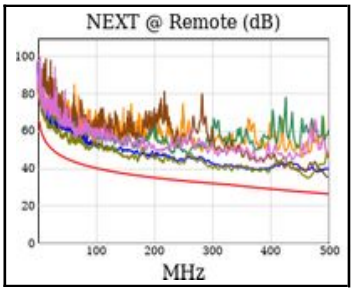


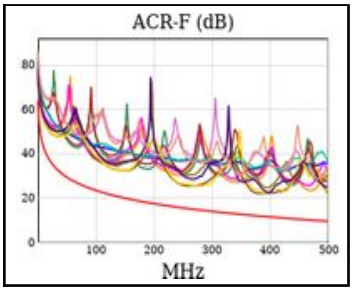
PASS

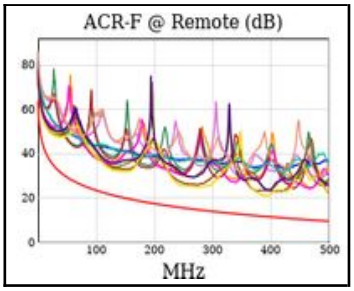


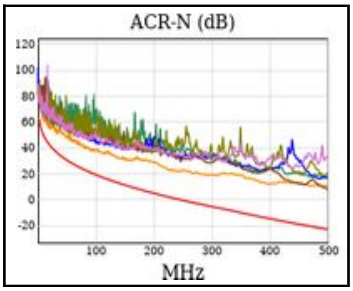


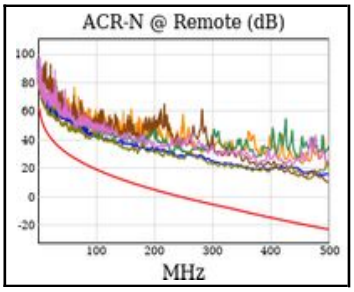


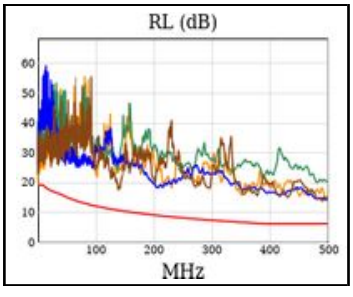


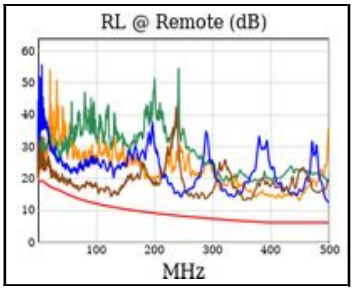












FLUKE networks

LinkWare Live

Cable ID: 142-1-A

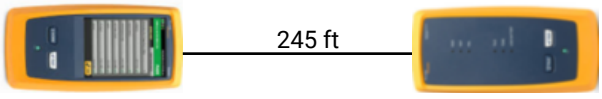
Test Summary: PASS

Date / Time: 11/23/2022 06:15:28 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

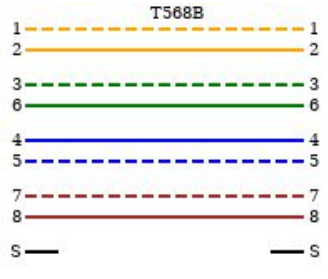
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

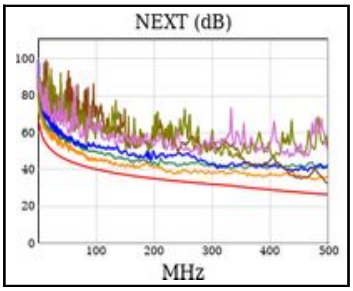
Length (ft), Limit 328	[Pair 1,2]	245
Prop. Delay (ns), Limit 555	[Pair 4,5]	390
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 7,8]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	16.2
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

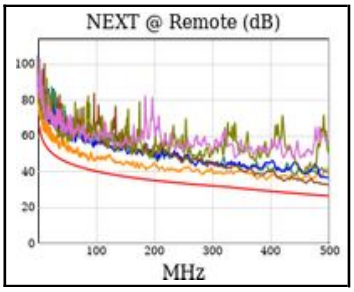


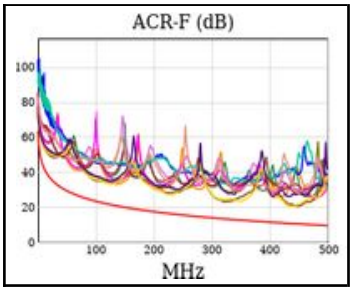
PASS

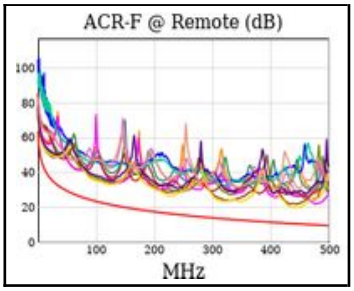


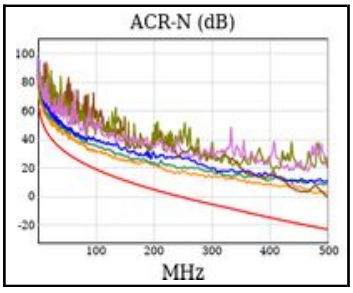


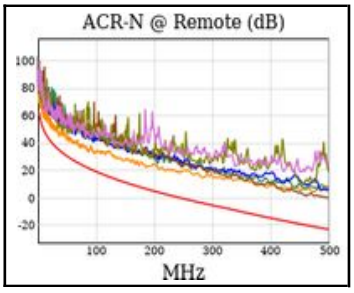


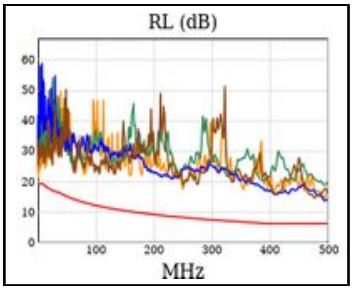


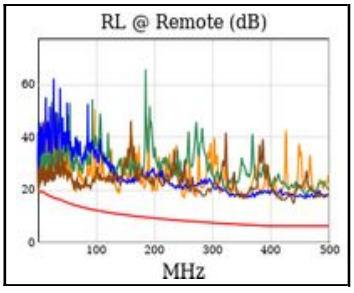












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.7	4.7	6.3	6.2
Freq. (MHz)	91.0	88.0	500.0	500.0
Limit (dB)	40.6	40.9	26.1	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.7	7.5	6.7
Freq. (MHz)	85.3	456.0	500.0	456.0
Limit (dB)	38.3	24.3	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.2	9.6	9.3
Freq. (MHz)	436.0	441.0	436.0	443.0
Limit (dB)	10.5	10.4	10.5	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.7	10.5	11.5	11.3
Freq. (MHz)	1.5	2.8	436.0	451.0
Limit (dB)	56.7	51.5	7.5	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	6.3	7.4	22.9	22.8
Freq. (MHz)	4.1	4.0	500.0	500.0
Limit (dB)	58.6	58.9	-23.2	-23.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	8.2	9.0	23.9	24.0
Freq. (MHz)	4.1	4.1	499.0	489.0
Limit (dB)	56.1	56.1	-26.0	-25.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	5.8	2.9	7.4	8.6
Freq. (MHz)	13.1	12.6	495.0	440.0
Limit (dB)	18.4	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-1-B

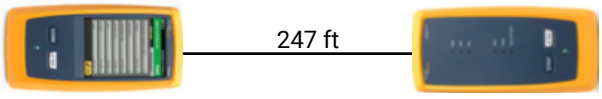
Test Summary: PASS

Date / Time: 11/23/2022 06:15:53 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

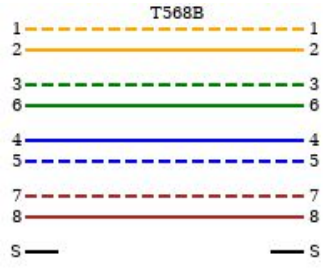
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

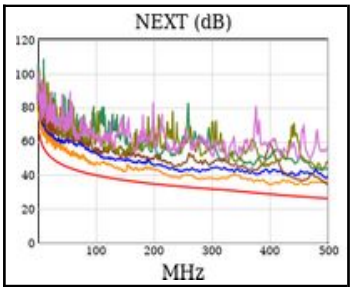
Length (ft), Limit 328	[Pair 1,2]	247
Prop. Delay (ns), Limit 555	[Pair 4,5]	391
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 4,5]	16.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

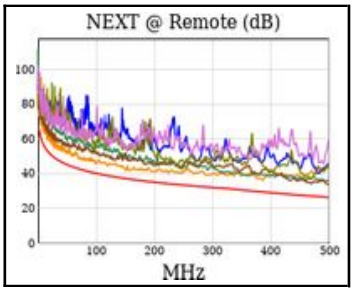


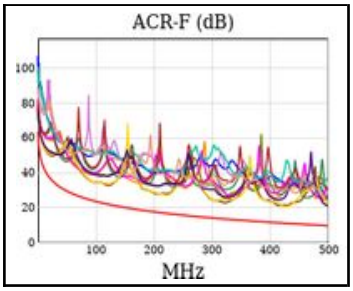
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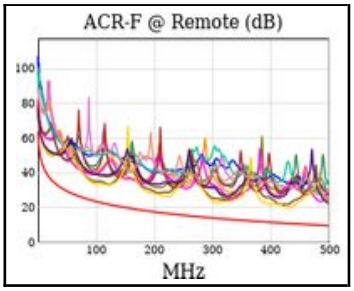


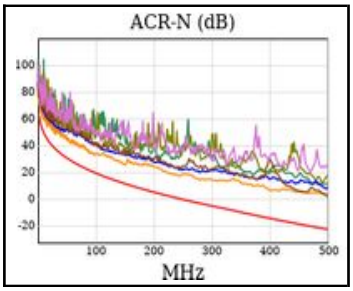


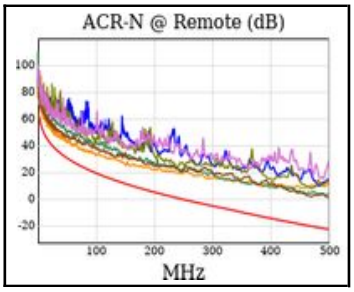


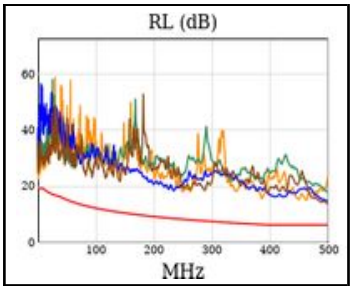


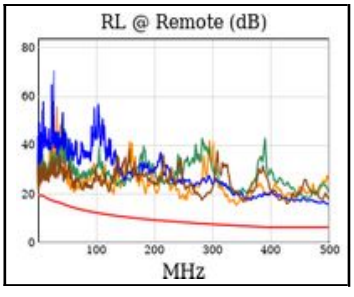












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.8	4.4	8.2	7.2
Freq. (MHz)	152.0	152.0	500.0	500.0
Limit (dB)	36.8	36.8	26.1	26.1
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	6.3	6.3	8.4	8.2
Freq. (MHz)	244.0	152.0	500.0	500.0
Limit (dB)	30.3	33.9	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	8.9	9.4	9.0
Freq. (MHz)	323.0	309.0	427.0	431.0
Limit (dB)	13.1	13.5	10.6	10.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.7	9.8	11.1	11.3
Freq. (MHz)	329.0	327.0	500.0	431.0
Limit (dB)	9.9	10.0	6.3	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.7	8.4	24.6	23.6
Freq. (MHz)	5.5	2.8	500.0	500.0
Limit (dB)	56.0	61.5	-23.2	-23.2
Worst Pair	1,2	3,6	3,6	4,5
PS ACR-N (dB)	9.9	10.0	24.9	24.6
Freq. (MHz)	5.5	5.6	500.0	500.0
Limit (dB)	53.4	53.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.7	5.0	7.5	8.3
Freq. (MHz)	6.1	5.9	500.0	341.0
Limit (dB)	19.0	19.0	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-2-A

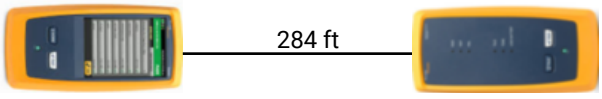
Test Summary: PASS

Date / Time: 11/23/2022 06:03:15 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

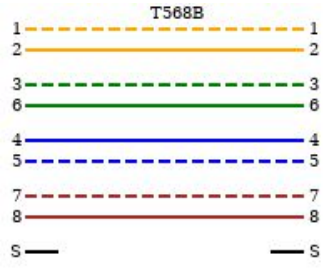
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	284
Prop. Delay (ns), Limit 555	[Pair 4,5]	449
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	11.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	2.3	3.0	7.9	3.0
Freq. (MHz)	238.5	500.0	500.0	500.0
Limit (dB)	33.5	26.1	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	5.1	7.5	5.1
Freq. (MHz)	238.5	500.0	463.0	500.0
Limit (dB)	30.5	23.2	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.1	9.1	9.4	9.1
Freq. (MHz)	436.0	452.0	452.0	452.0
Limit (dB)	10.5	10.2	10.2	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.4	10.6	11.4	11.0
Freq. (MHz)	1.5	5.0	465.0	456.0
Limit (dB)	56.7	46.3	6.9	7.1

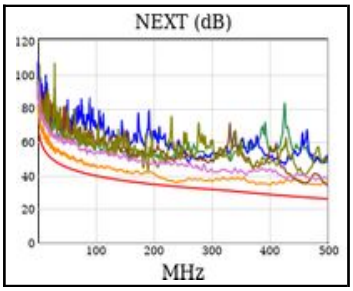
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.5	7.7	18.7	14.8
Freq. (MHz)	4.8	3.5	487.0	500.0
Limit (dB)	57.3	60.1	-22.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	9.2	19.9	16.4
Freq. (MHz)	22.8	3.5	500.0	500.0
Limit (dB)	38.3	57.6	-26.1	-26.1

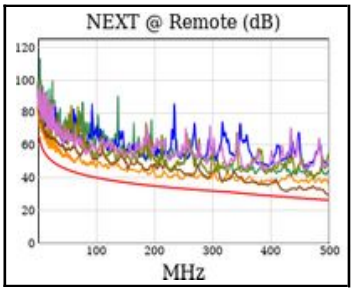
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.3	4.5	6.9	7.0
Freq. (MHz)	7.6	7.6	489.0	472.0
Limit (dB)	19.0	19.0	6.0	6.0

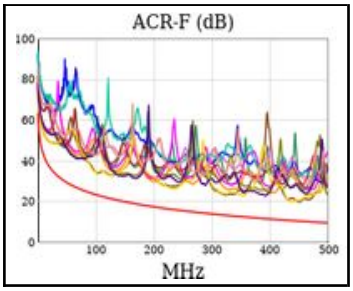
Compliant Network Standards:

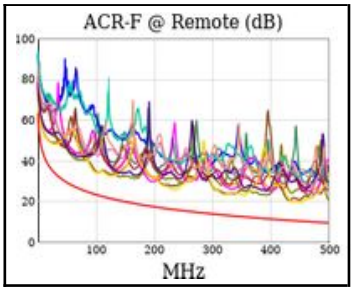
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

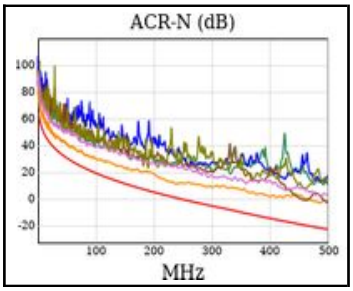


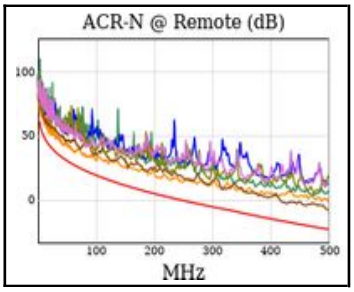


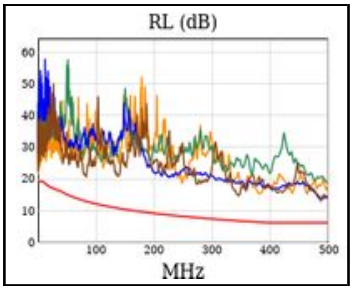


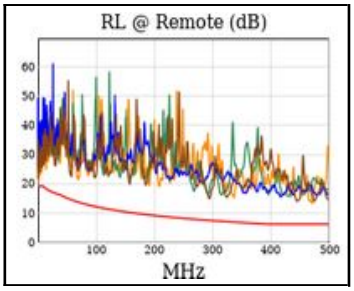












FLUKE networks

LinkWare Live

Cable ID: 142-2-B

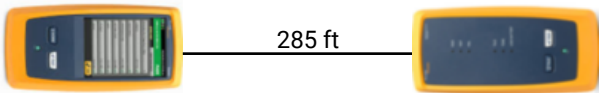
Test Summary: PASS

Date / Time: 11/23/2022 06:03:50 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

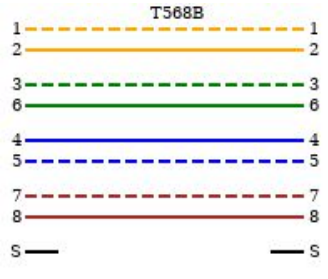
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

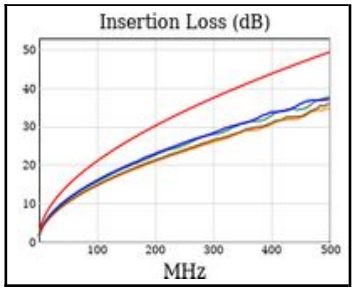
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

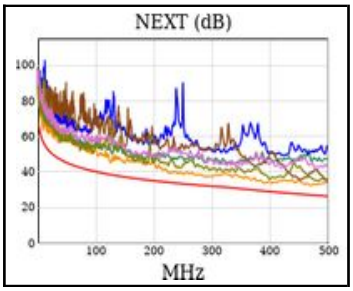
Length (ft), Limit 328	[Pair 1,2]	285
Prop. Delay (ns), Limit 555	[Pair 4,5]	449
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	11.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

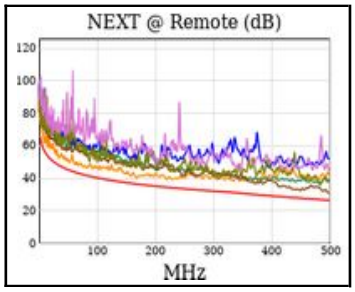


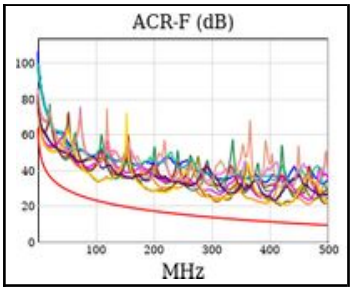
PASS

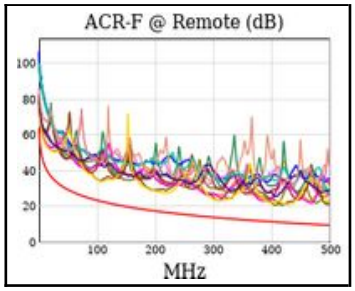


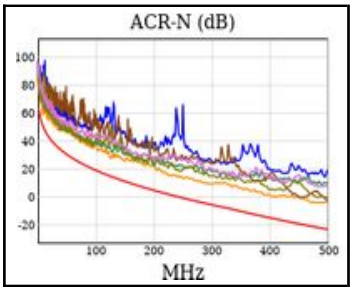


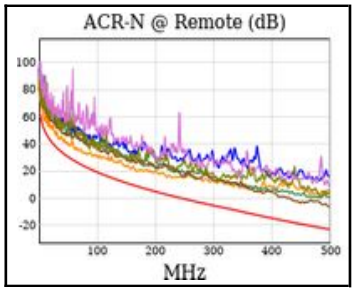


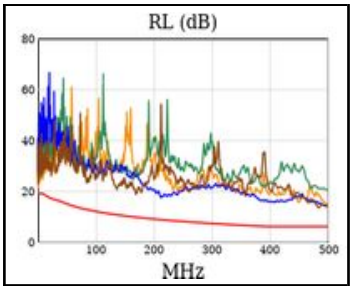


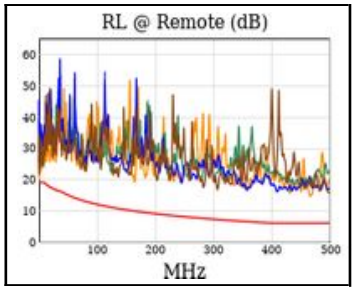












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	3.6	5.4	4.4
Freq. (MHz)	391.0	168.5	473.0	500.0
Limit (dB)	29.0	36.1	26.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	5.3	6.6	6.4
Freq. (MHz)	391.0	168.0	498.0	500.0
Limit (dB)	26.1	33.2	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.0	9.5	9.9	9.7
Freq. (MHz)	309.0	407.0	430.0	420.0
Limit (dB)	13.5	11.1	10.6	10.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	9.9	10.1	10.0
Freq. (MHz)	397.0	406.0	397.0	411.0
Limit (dB)	8.3	8.1	8.3	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	6.1	17.4	16.5
Freq. (MHz)	9.5	9.6	481.0	500.0
Limit (dB)	50.6	50.5	-21.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	8.0	18.2	18.1
Freq. (MHz)	9.5	9.6	498.0	500.0
Limit (dB)	48.0	47.9	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.4	4.5	7.4	8.5
Freq. (MHz)	9.0	6.5	485.0	467.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 141-B

Test Summary: PASS

Date / Time: 12/17/2022 07:36:52 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	197
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	7.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.2	6.5	5.9	8.6
Freq. (MHz)	227.5	142.0	405.0	500.0
Limit (dB)	33.8	37.3	28.6	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.5	6.9	6.8	9.2
Freq. (MHz)	84.8	3.0	405.0	495.0
Limit (dB)	38.3	62.0	25.6	23.3

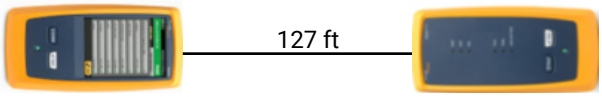
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.5	10.7	10.2
Freq. (MHz)	401.0	396.0	450.0	435.0
Limit (dB)	11.2	11.3	10.2	10.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	11.7	10.6	12.8
Freq. (MHz)	401.0	1.0	401.0	470.0
Limit (dB)	8.2	60.3	8.2	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.4	10.0	41.7	41.3
Freq. (MHz)	4.9	3.0	493.0	500.0
Limit (dB)	57.1	61.4	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	9.3	42.0	41.8
Freq. (MHz)	5.3	3.0	493.0	495.0
Limit (dB)	53.9	58.4	-25.5	-25.7

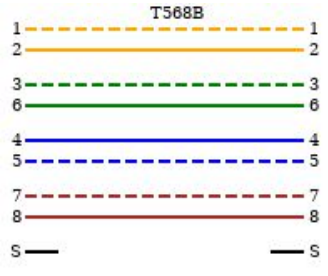
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	6.1	6.3	8.4	8.0
Freq. (MHz)	46.8	46.5	412.0	496.0
Limit (dB)	15.3	15.3	6.0	6.0

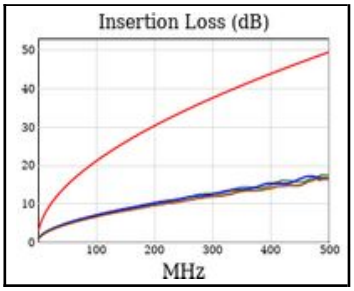
Compliant Network Standards:

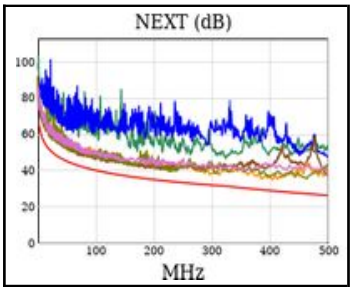
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

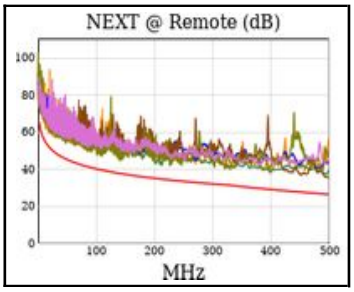


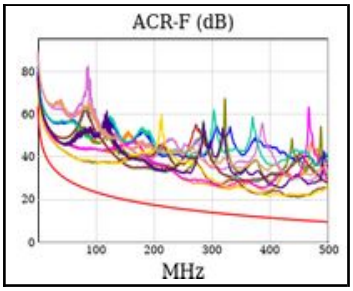
PASS

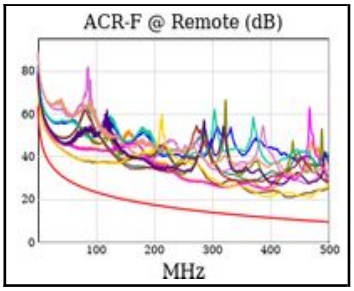


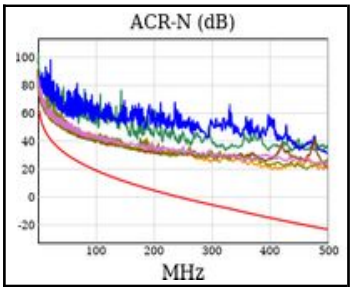


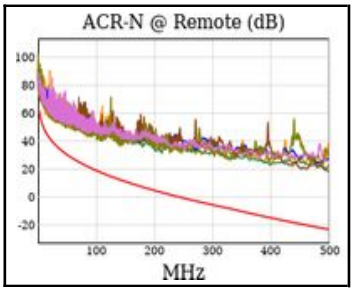


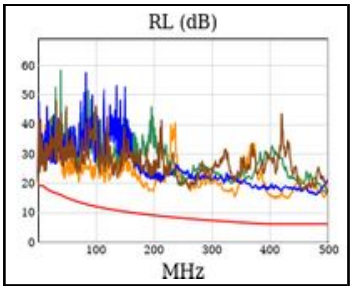


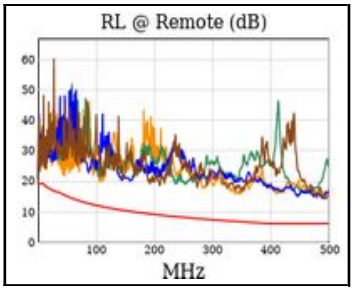












FLUKE networks

LinkWare Live

Cable ID: 141-B

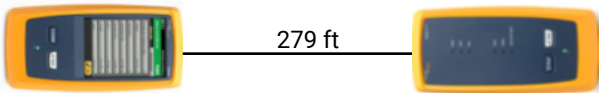
Test Summary: PASS

Date / Time: 11/27/2022 06:20:49 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

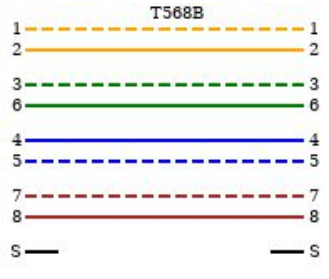
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	279
Prop. Delay (ns), Limit 555	[Pair 4,5]	442
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 3,6]	19.0
Insertion Loss Margin (dB)	[Pair 3,6]	11.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

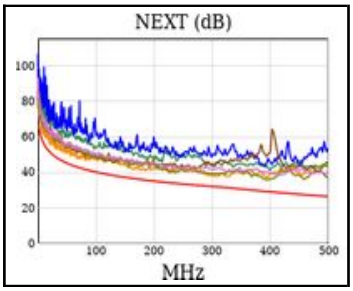


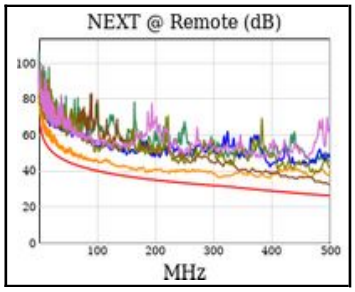
PASS



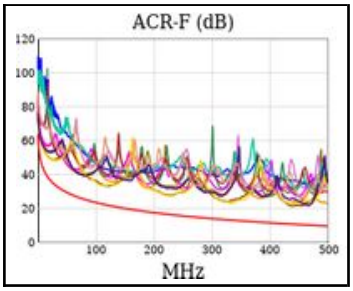


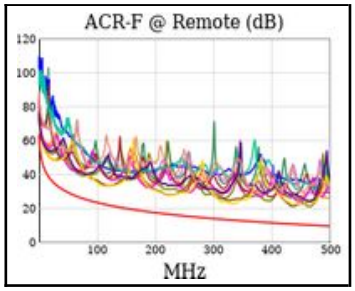
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.1	3.4	6.4	6.3
Freq. (MHz)	8.5	186.5	396.0	500.0
Limit (dB)	57.7	35.3	28.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	6.0	7.1	7.8
Freq. (MHz)	157.5	186.5	396.0	500.0
Limit (dB)	33.7	32.4	25.9	23.2



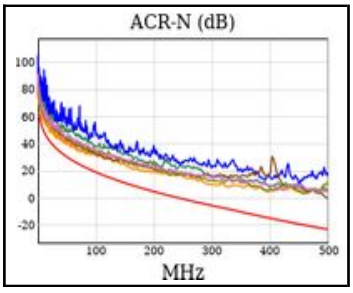


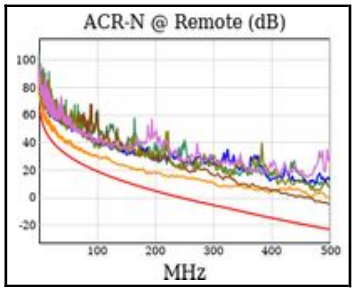
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	10.0	9.5	10.7	10.9
Freq. (MHz)	335.0	333.0	440.0	467.0
Limit (dB)	12.8	12.8	10.4	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.7	10.8	11.4
Freq. (MHz)	1.5	5.0	436.0	455.0
Limit (dB)	56.7	46.3	7.5	7.1



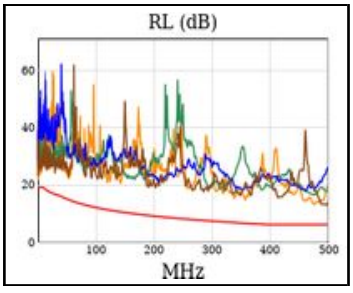


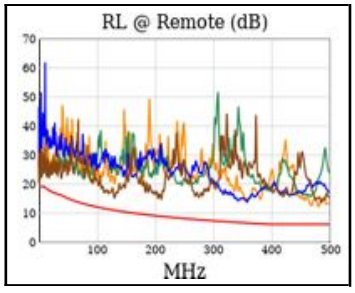
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	5.4	6.2	23.0	18.3
Freq. (MHz)	8.5	8.5	500.0	500.0
Limit (dB)	51.8	51.8	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	6.7	7.8	23.3	19.3
Freq. (MHz)	8.5	3.8	500.0	500.0
Limit (dB)	49.2	57.0	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.6	3.2	6.8	6.0
Freq. (MHz)	5.3	5.3	498.0	481.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 142-A

Test Summary: PASS

Date / Time: 11/27/2022 06:18:22 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	245
Prop. Delay (ns), Limit 555	[Pair 4,5]	386
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	17.7
Insertion Loss Margin (dB)	[Pair 3,6]	16.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	5.1	4.3	7.9	5.8
Freq. (MHz)	9.6	14.0	442.0	499.0
Limit (dB)	56.8	54.2	27.6	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.5	6.3	8.7	7.7
Freq. (MHz)	212.0	14.0	461.0	499.0
Limit (dB)	31.4	51.6	24.2	23.3

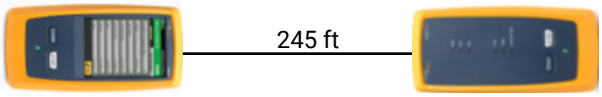
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.0	9.6	10.5
Freq. (MHz)	395.0	392.0	500.0	500.0
Limit (dB)	11.3	11.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	9.7	10.0	10.7	11.3
Freq. (MHz)	396.0	398.0	498.0	500.0
Limit (dB)	8.3	8.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.1	6.8	25.8	22.8
Freq. (MHz)	9.6	14.0	493.0	500.0
Limit (dB)	50.5	46.5	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.8	8.8	26.3	23.9
Freq. (MHz)	9.6	14.0	493.0	500.0
Limit (dB)	47.9	43.9	-25.5	-26.1

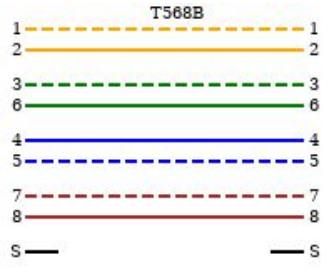
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.4	3.3	6.1	5.0
Freq. (MHz)	10.0	4.4	490.0	454.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

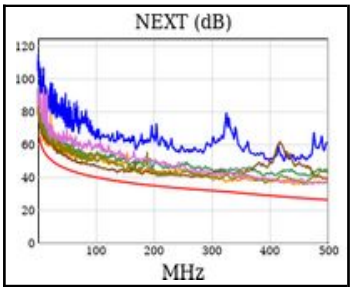
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

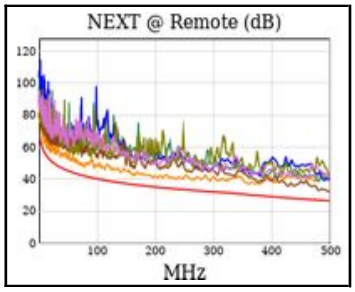


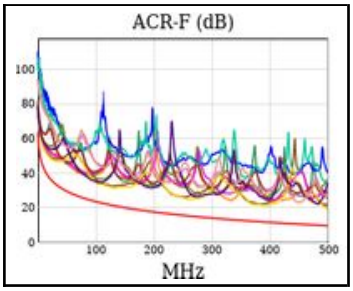
PASS

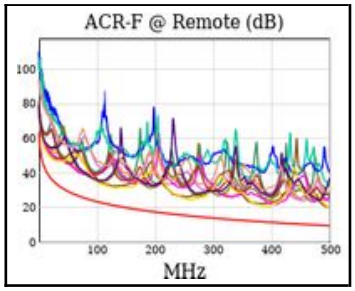


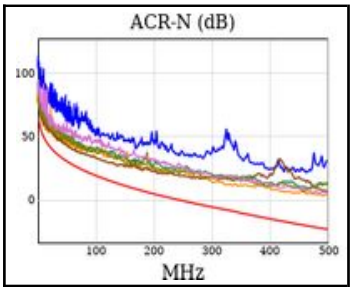


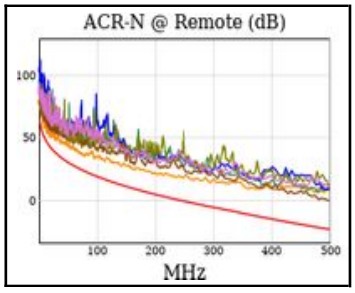


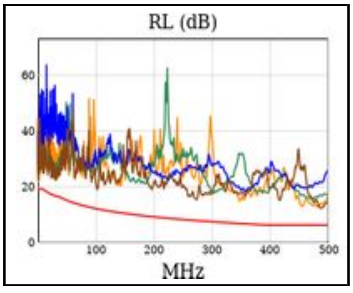


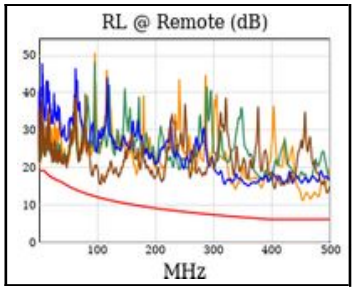












FLUKE networks

LinkWare Live

Cable ID: 142-B

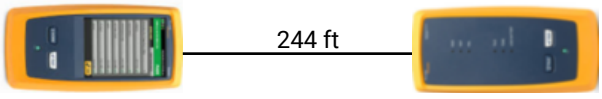
Test Summary: PASS

Date / Time: 11/27/2022 06:18:42 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

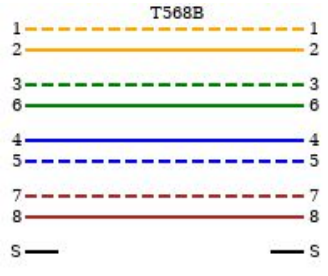
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

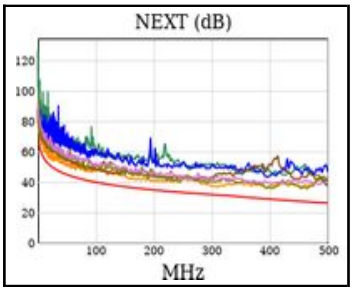
Length (ft), Limit 328	[Pair 1,2]	244
Prop. Delay (ns), Limit 555	[Pair 4,5]	387
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	17.9
Insertion Loss Margin (dB)	[Pair 3,6]	15.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

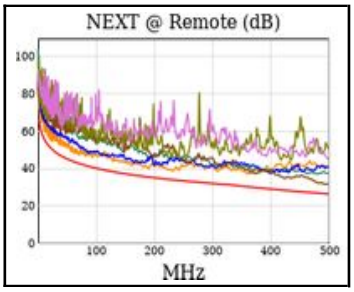


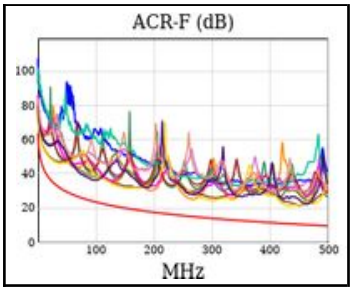
PASS

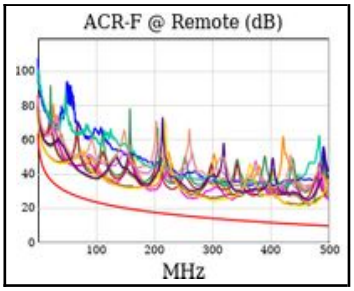


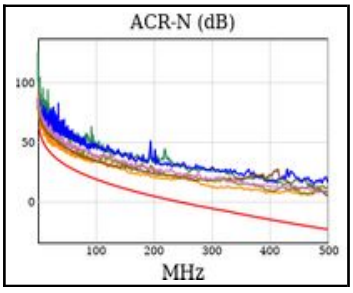


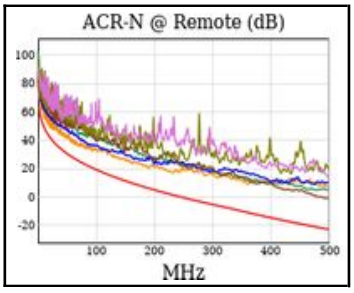


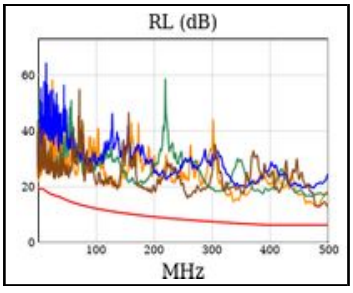


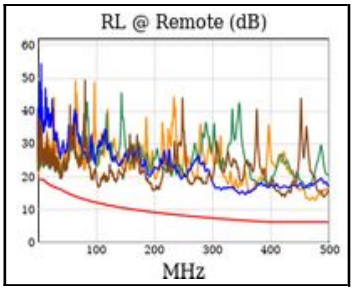












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.7	3.9	8.5	5.3
Freq. (MHz)	5.5	5.5	465.0	500.0
Limit (dB)	60.8	60.8	27.0	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.1	5.2	8.8	7.0
Freq. (MHz)	84.0	191.5	465.0	500.0
Limit (dB)	38.4	32.2	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.4	10.3	10.9
Freq. (MHz)	269.0	306.0	435.0	451.0
Limit (dB)	14.7	13.5	10.5	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.4	11.7	11.1
Freq. (MHz)	269.0	267.0	465.0	466.0
Limit (dB)	11.7	11.7	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	5.2	5.4	27.9	21.8
Freq. (MHz)	5.5	5.5	500.0	500.0
Limit (dB)	56.0	56.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.6	7.5	24.5	23.4
Freq. (MHz)	5.4	5.4	465.0	500.0
Limit (dB)	53.7	53.7	-23.3	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.9	3.1	6.5	6.6
Freq. (MHz)	6.3	38.8	484.0	468.0
Limit (dB)	19.0	16.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 143-A

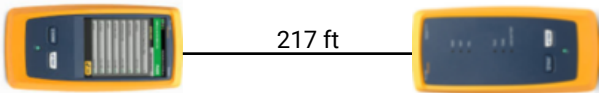
Test Summary: PASS

Date / Time: 11/27/2022 06:16:41 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

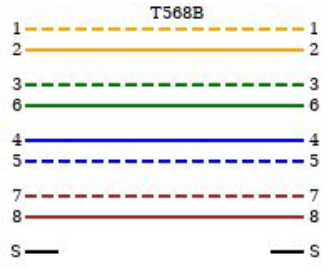
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

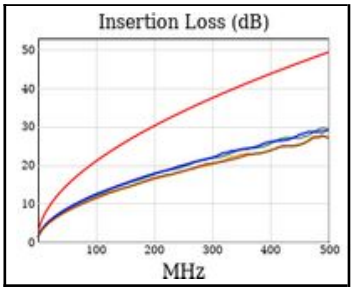
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	217
Prop. Delay (ns), Limit 555	[Pair 4,5]	342
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 7,8]	10.8
Insertion Loss Margin (dB)	[Pair 3,6]	19.3
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

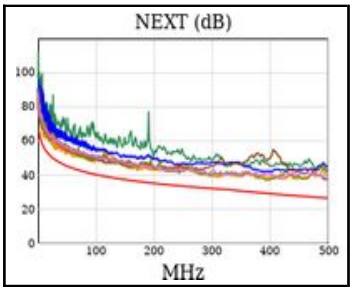


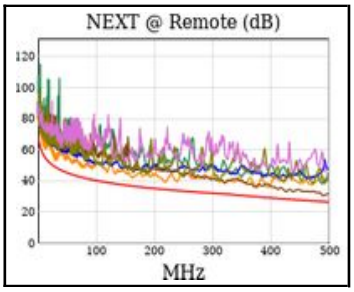
PASS



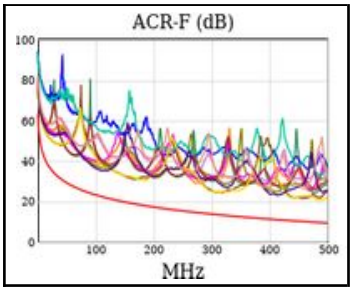


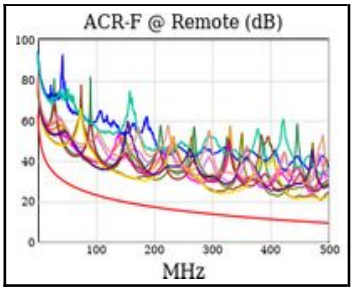
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.5	3.8	7.7	3.8
Freq. (MHz)	11.0	491.0	394.0	491.0
Limit (dB)	55.9	26.3	28.9	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	6.0	9.3	6.0
Freq. (MHz)	90.8	493.0	461.0	493.0
Limit (dB)	37.8	23.4	24.2	23.4



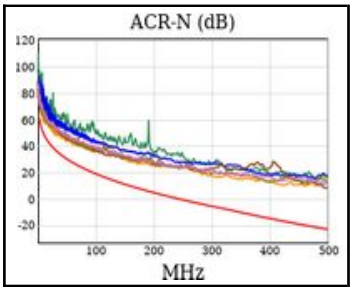


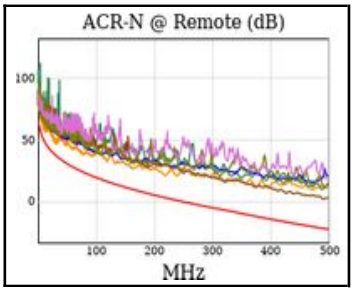
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.9	10.4	10.9	11.4
Freq. (MHz)	309.0	314.0	484.0	487.0
Limit (dB)	13.5	13.3	9.6	9.5
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	12.3	12.3	12.7	13.0
Freq. (MHz)	320.0	314.0	492.0	475.0
Limit (dB)	10.2	10.3	6.4	6.7



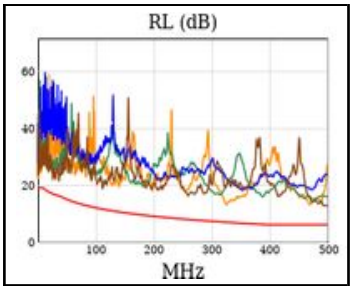


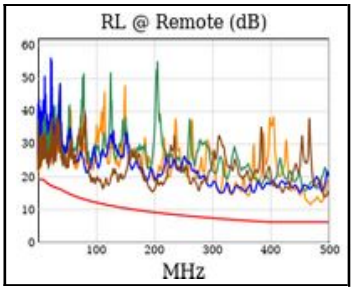
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.5	8.0	31.2	24.1
Freq. (MHz)	11.0	11.0	497.0	492.0
Limit (dB)	49.1	49.1	-23.0	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.8	10.0	31.0	25.3
Freq. (MHz)	6.0	11.0	497.0	492.0
Limit (dB)	52.6	46.5	-25.8	-25.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.0	4.4	6.7	5.3
Freq. (MHz)	26.6	112.0	500.0	469.0
Limit (dB)	16.9	11.5	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-1-A-2

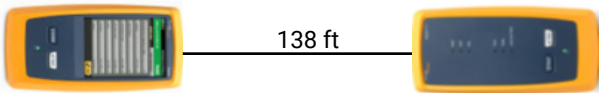
Test Summary: PASS

Date / Time: 12/19/2022 04:08:11 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

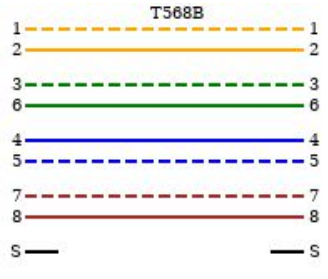
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1



PASS



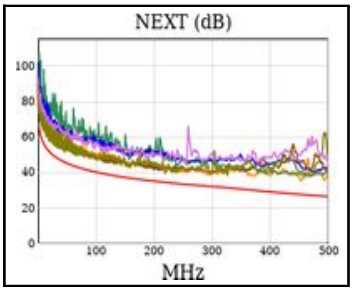
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	1,2-4,5
NEXT (dB)	5.1	6.1	7.6	7.2
Freq. (MHz)	220.5	319.0	454.0	498.0
Limit (dB)	34.1	31.3	27.2	26.1
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	5.0	7.4	9.7	7.4
Freq. (MHz)	241.0	500.0	495.0	500.0
Limit (dB)	30.4	23.2	23.3	23.2

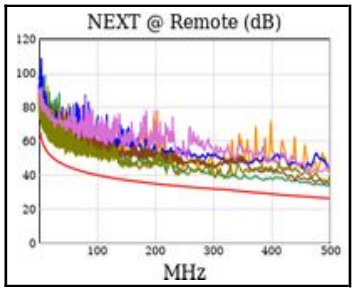
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.0	10.1	10.1
Freq. (MHz)	380.0	379.0	382.0	384.0
Limit (dB)	11.7	11.7	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.1	11.1	11.6
Freq. (MHz)	327.0	325.0	400.0	394.0
Limit (dB)	10.0	10.0	8.2	8.3

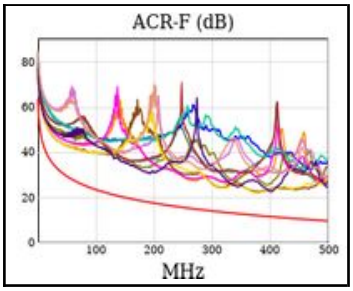
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	9.4	10.5	38.4	38.1
Freq. (MHz)	4.6	2.4	495.0	498.0
Limit (dB)	57.6	61.7	-22.8	-23.1
Worst Pair	3,6	3,6	1,2	4,5
PS ACR-N (dB)	8.9	10.4	40.3	38.3
Freq. (MHz)	4.6	4.6	495.0	500.0
Limit (dB)	55.1	55.1	-25.7	-26.1

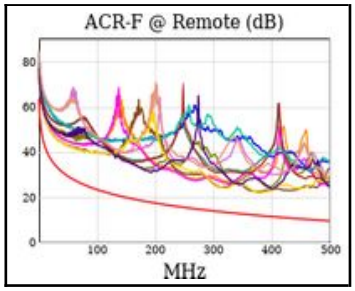
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.0	6.1	7.7	6.1
Freq. (MHz)	342.0	489.0	474.0	489.0
Limit (dB)	6.7	6.0	6.0	6.0

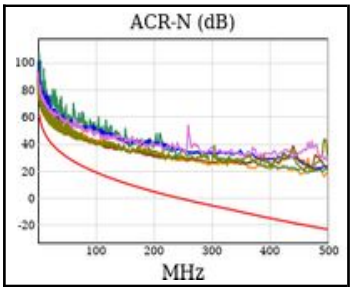


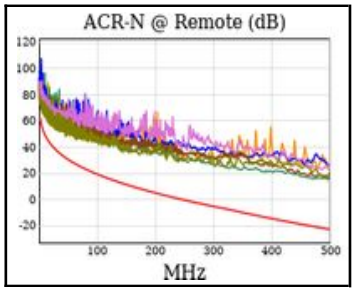


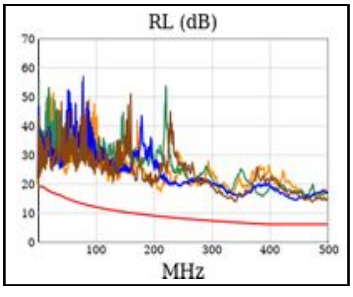


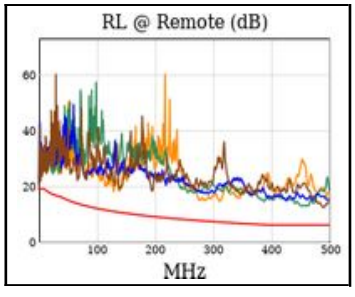












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-1-B-2

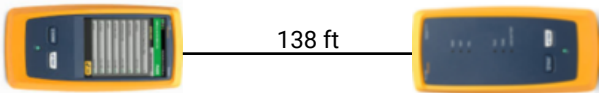
Test Summary: PASS

Date / Time: 12/19/2022 04:08:33 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

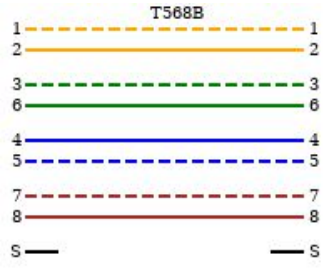
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	6.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

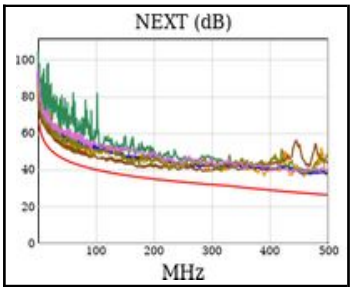


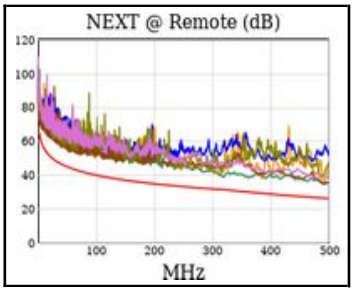
PASS



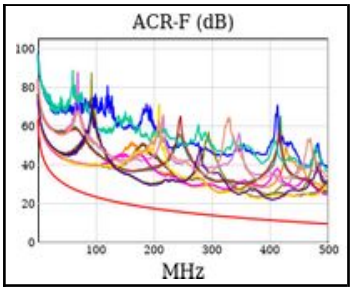


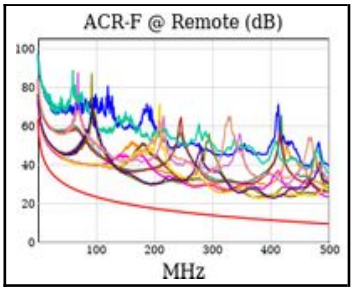
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	5.2	7.3	9.0	8.4
Freq. (MHz)	172.0	320.0	460.0	494.0
Limit (dB)	35.9	31.3	27.1	26.2
Worst Pair	3,6	4,5	1,2	4,5
PS NEXT (dB)	5.2	7.5	9.0	7.6
Freq. (MHz)	95.0	490.0	472.0	493.0
Limit (dB)	37.5	23.5	23.9	23.4



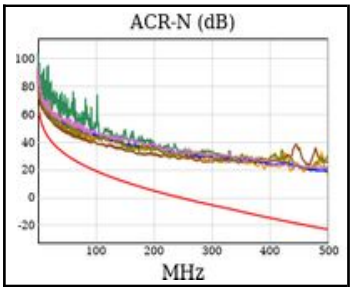


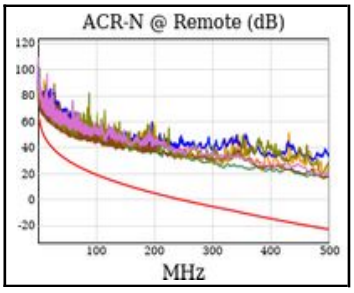
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.5	10.7	10.5	10.8
Freq. (MHz)	404.0	379.0	404.0	381.0
Limit (dB)	11.1	11.7	11.1	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	11.1	11.4
Freq. (MHz)	5.9	5.9	404.0	388.0
Limit (dB)	44.9	44.9	8.1	8.5



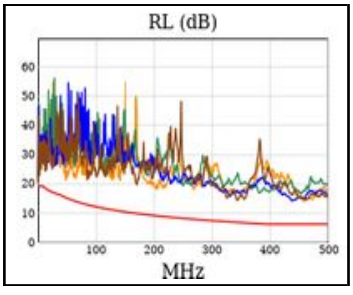


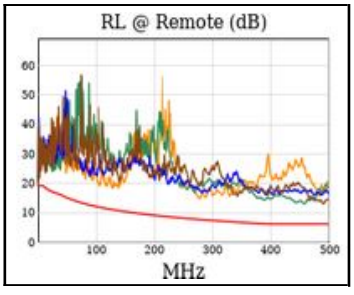
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	8.8	9.8	40.6	38.1
Freq. (MHz)	4.8	2.6	497.0	492.0
Limit (dB)	57.3	61.6	-23.0	-22.6
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.8	11.2	38.9	37.2
Freq. (MHz)	4.6	2.8	472.0	491.0
Limit (dB)	55.1	58.5	-23.9	-25.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.0	6.6	7.7	6.6
Freq. (MHz)	49.3	491.0	459.0	491.0
Limit (dB)	15.1	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-2-A-2

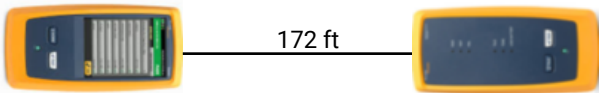
Test Summary: PASS

Date / Time: 12/19/2022 04:12:32 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

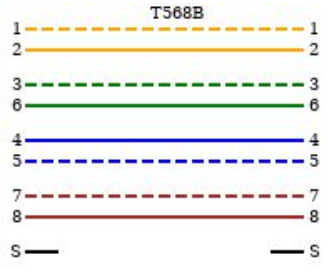
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

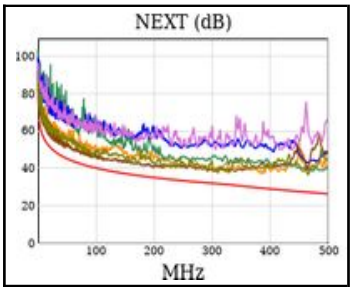
Length (ft), Limit 328	[Pair 7,8]	172
Prop. Delay (ns), Limit 555	[Pair 4,5]	267
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	24.9
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

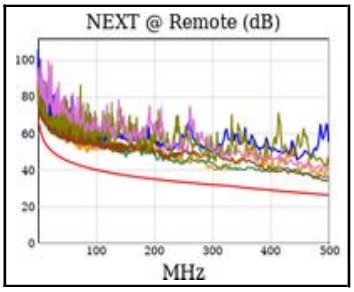


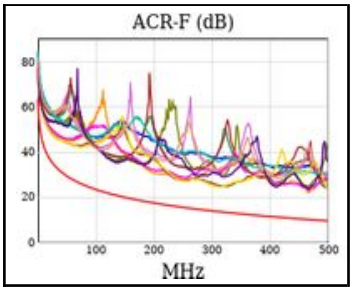
PASS

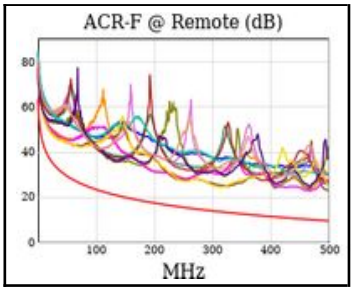


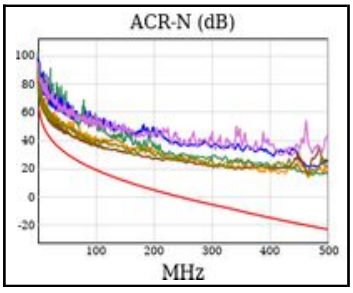


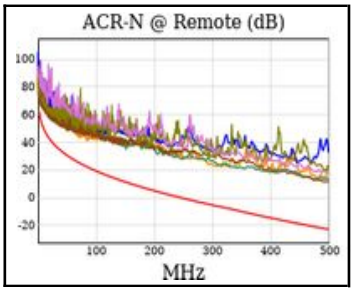


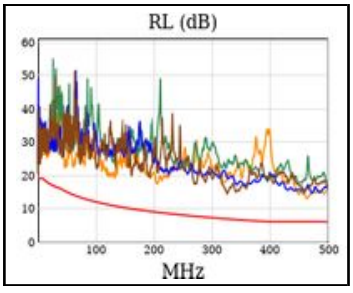


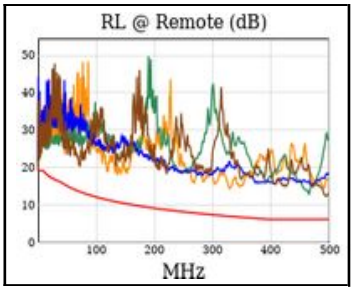












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	6.6	9.2	7.5
Freq. (MHz)	113.0	3.8	466.0	495.0
Limit (dB)	39.0	63.5	26.9	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.8	7.4	8.3	8.1
Freq. (MHz)	304.0	4.0	466.0	500.0
Limit (dB)	28.7	60.5	24.0	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	11.0	10.8	11.9	12.6
Freq. (MHz)	316.0	316.0	467.0	468.0
Limit (dB)	13.3	13.3	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	12.1	13.0
Freq. (MHz)	6.8	6.4	467.0	468.0
Limit (dB)	43.7	44.2	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.0	8.8	33.8	33.8
Freq. (MHz)	3.8	3.8	466.0	495.0
Limit (dB)	59.5	59.5	-20.5	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	9.6	32.9	33.5
Freq. (MHz)	3.8	4.0	466.0	495.0
Limit (dB)	57.0	56.4	-23.4	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.8	6.0	6.8	6.0
Freq. (MHz)	465.0	496.0	465.0	496.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-2-B-2

Test Summary: PASS

Date / Time: 12/19/2022 04:13:24 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	172
Prop. Delay (ns), Limit 555	[Pair 4,5]	267
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	5.3	7.0	8.1	8.5
Freq. (MHz)	296.0	5.8	495.0	500.0
Limit (dB)	31.8	60.5	26.2	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.0	7.6	8.6	8.6
Freq. (MHz)	297.0	5.8	469.0	497.0
Limit (dB)	28.8	58.0	24.0	23.3

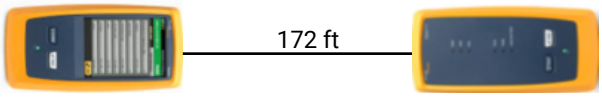
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	11.1	11.1	12.0	11.8
Freq. (MHz)	305.0	305.0	469.0	468.0
Limit (dB)	13.6	13.6	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	13.2	12.3
Freq. (MHz)	6.5	6.5	470.0	468.0
Limit (dB)	44.0	44.0	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	8.2	9.2	33.1	34.8
Freq. (MHz)	3.8	3.6	495.0	500.0
Limit (dB)	59.5	59.8	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.1	10.0	35.0	35.1
Freq. (MHz)	3.8	3.8	495.0	500.0
Limit (dB)	57.0	57.0	-25.7	-26.1

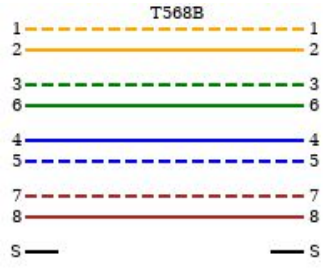
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.7	6.6	7.7	6.6
Freq. (MHz)	24.1	488.0	476.0	488.0
Limit (dB)	17.1	6.0	6.0	6.0

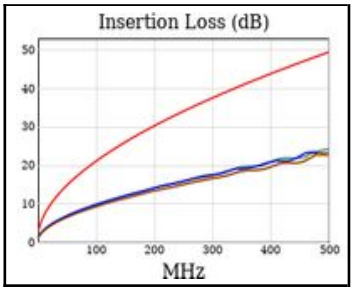
Compliant Network Standards:

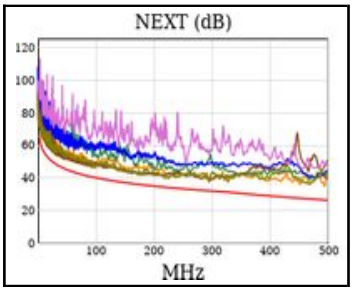
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

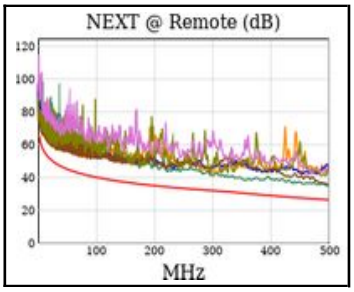


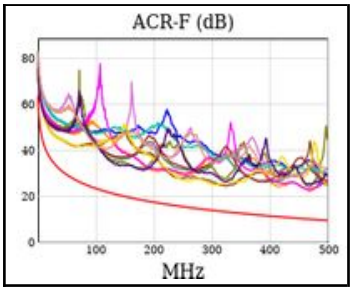
PASS

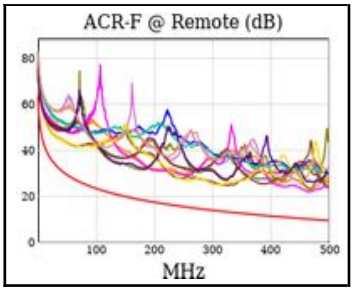


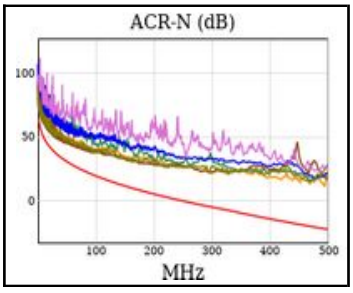


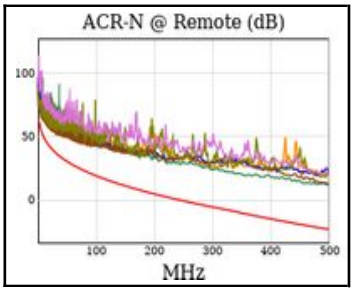


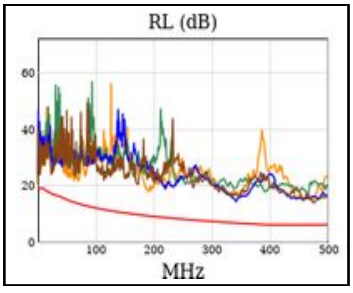


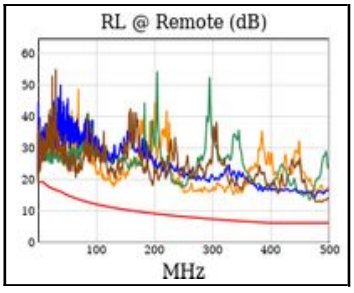












FLUKE networks

LinkWare Live

Cable ID: 143-A

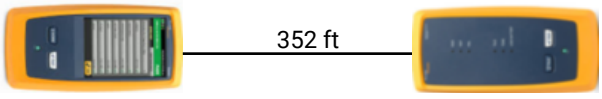
Test Summary: PASS

Date / Time: 11/27/2022 03:13:49 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

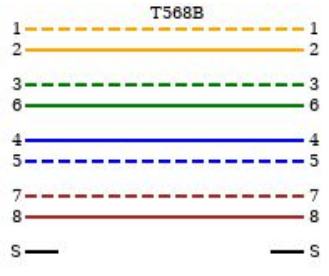
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

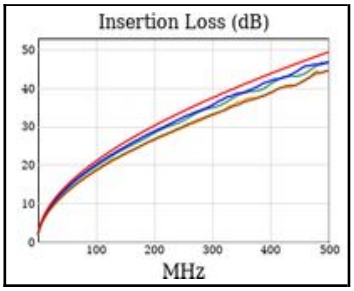
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

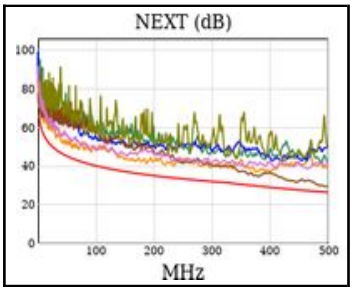
Length (ft), Limit 328	[Pair 1,2]	352
Prop. Delay (ns), Limit 555	[Pair 4,5]	555
Delay Skew (ns), Limit 50	[Pair 4,5]	30
Resistance (ohms)	[Pair 4,5]	16.1
Insertion Loss Margin (dB)	[Pair 4,5]	2.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

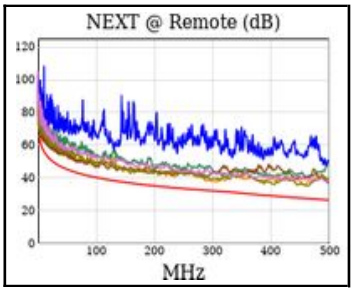


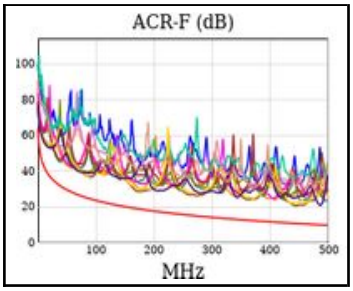
PASS

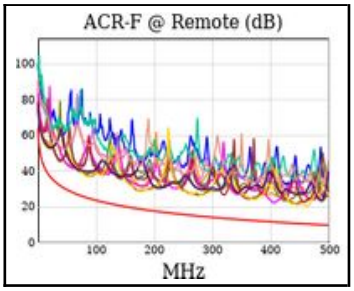


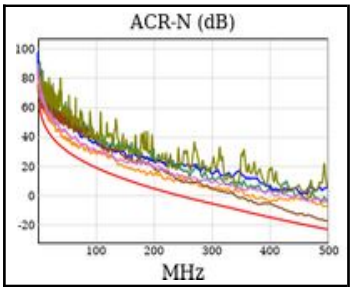


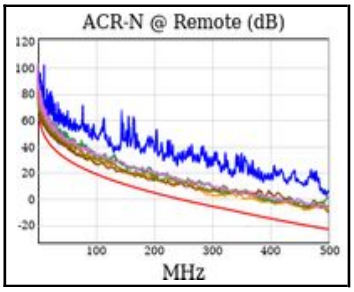


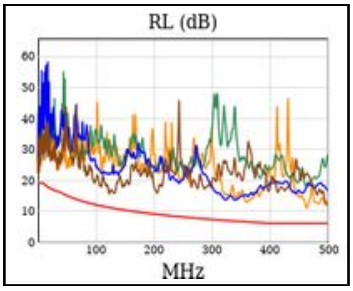


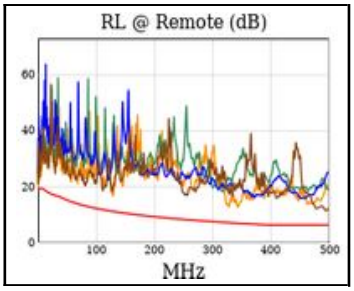












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.9	3.5	3.0	7.9
Freq. (MHz)	497.0	5.5	498.0	466.0
Limit (dB)	26.2	60.8	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.6	3.5	5.3	7.3
Freq. (MHz)	5.6	5.5	498.0	458.0
Limit (dB)	58.1	58.3	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.8	9.9	10.2
Freq. (MHz)	177.5	177.5	447.0	463.0
Limit (dB)	18.3	18.3	10.3	9.9
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.7	11.2	11.4	11.4
Freq. (MHz)	177.5	177.5	458.0	463.0
Limit (dB)	15.3	15.3	7.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	5.4	3.8	5.5	12.8
Freq. (MHz)	2.8	5.5	498.0	500.0
Limit (dB)	61.5	56.0	-23.1	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	5.1	4.1	7.8	12.4
Freq. (MHz)	5.6	5.5	498.0	500.0
Limit (dB)	53.2	53.4	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.0	2.5	4.8	5.1
Freq. (MHz)	3.3	3.3	464.0	496.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 143-B

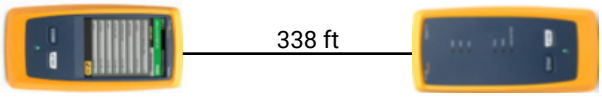
Test Summary: PASS

Date / Time: 11/27/2022 03:23:07 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

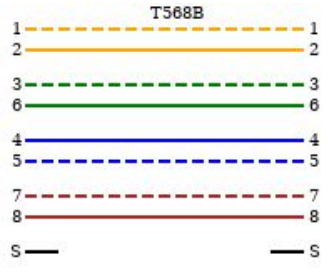
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

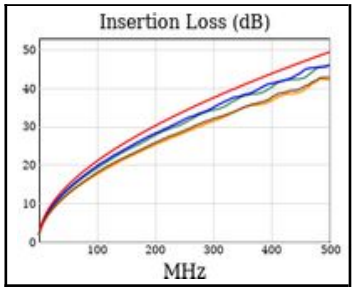
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

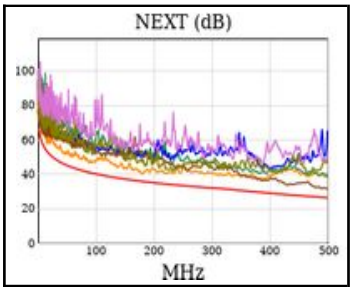
Length (ft), Limit 328	[Pair 1,2]	338
Prop. Delay (ns), Limit 555	[Pair 4,5]	536
Delay Skew (ns), Limit 50	[Pair 4,5]	32
Resistance (ohms)	[Pair 4,5]	15.5
Insertion Loss Margin (dB)	[Pair 4,5]	3.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

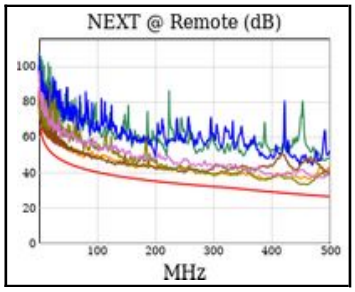


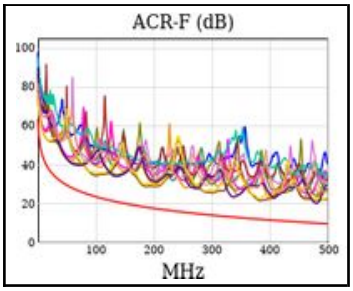
PASS

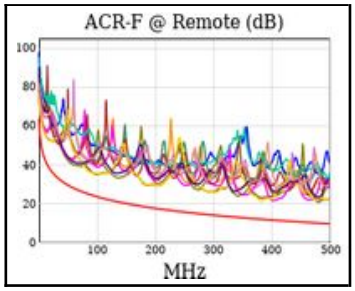


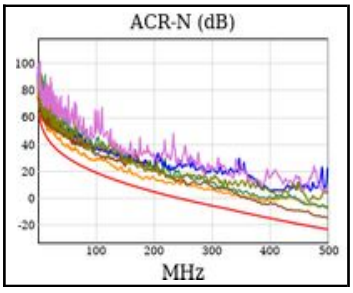


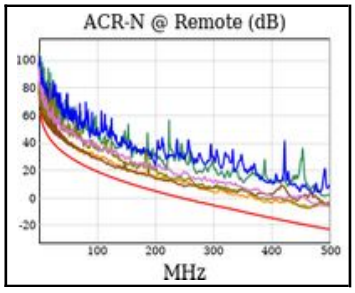


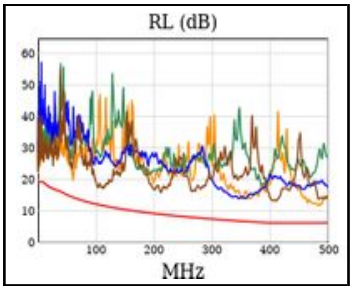


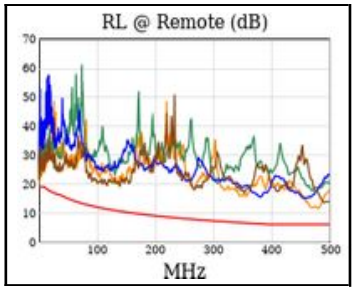












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	4.3	4.2	5.0	5.8
Freq. (MHz)	180.5	7.9	500.0	462.0
Limit (dB)	35.5	58.3	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.8	4.4	7.1	6.9
Freq. (MHz)	8.9	7.6	500.0	462.0
Limit (dB)	54.9	55.9	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	9.6	9.4	10.1	10.7
Freq. (MHz)	384.0	383.0	481.0	482.0
Limit (dB)	11.6	11.6	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	9.8	10.5	10.6
Freq. (MHz)	403.0	405.0	483.0	477.0
Limit (dB)	8.2	8.1	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	5.2	4.7	8.3	12.3
Freq. (MHz)	7.9	5.6	500.0	462.0
Limit (dB)	52.5	55.8	-23.2	-20.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	5.5	5.0	10.4	11.2
Freq. (MHz)	7.9	7.6	500.0	466.0
Limit (dB)	50.0	50.3	-26.1	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.3	2.9	5.5	5.5
Freq. (MHz)	3.4	3.4	484.0	481.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-A

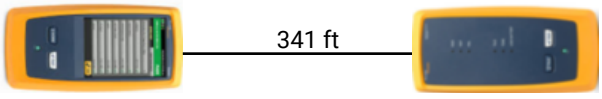
Test Summary: PASS

Date / Time: 11/27/2022 03:26:19 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

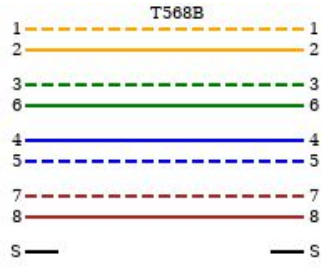
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

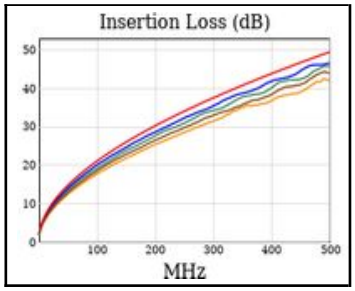
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	341
Prop. Delay (ns), Limit 555	[Pair 4,5]	541
Delay Skew (ns), Limit 50	[Pair 4,5]	33
Resistance (ohms)	[Pair 3,6]	15.6
Insertion Loss Margin (dB)	[Pair 4,5]	2.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

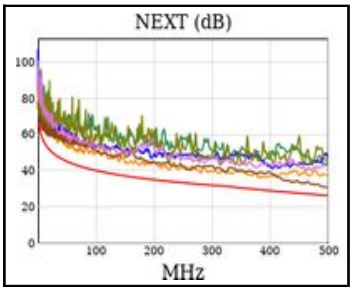


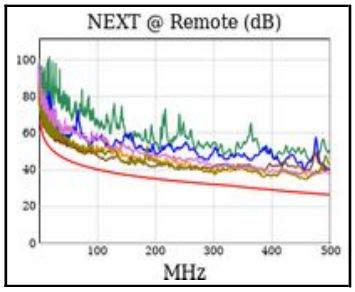
PASS



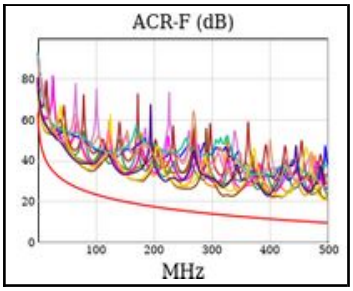


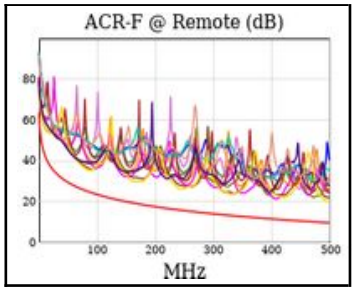
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.7	4.7	4.4	7.2
Freq. (MHz)	5.1	3.8	499.0	459.0
Limit (dB)	61.3	63.5	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.2	4.4	6.4	7.4
Freq. (MHz)	7.9	3.8	500.0	463.0
Limit (dB)	55.7	61.0	23.2	24.1



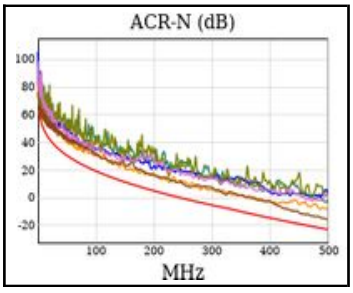


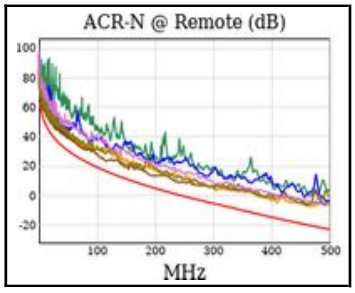
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	9.9	11.3	10.6
Freq. (MHz)	320.0	408.0	497.0	498.0
Limit (dB)	13.2	11.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.2	11.1	10.2
Freq. (MHz)	402.0	408.0	495.0	408.0
Limit (dB)	8.2	8.0	6.4	8.0



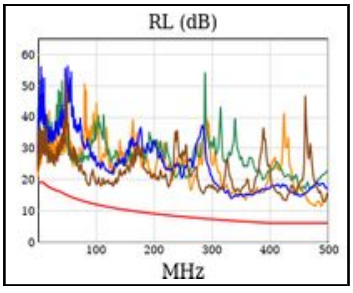


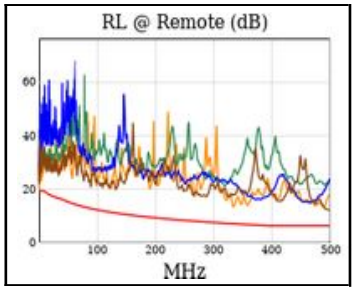
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	4.1	5.1	7.3	12.7
Freq. (MHz)	5.1	5.6	500.0	467.0
Limit (dB)	56.6	55.8	-23.2	-20.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	4.8	4.9	9.9	11.6
Freq. (MHz)	7.9	3.8	500.0	463.0
Limit (dB)	50.0	57.0	-26.1	-23.2





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.6	3.5	5.3	5.7
Freq. (MHz)	3.4	3.4	489.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-B

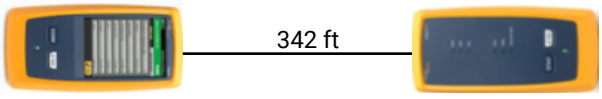
Test Summary: PASS

Date / Time: 11/27/2022 03:27:14 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

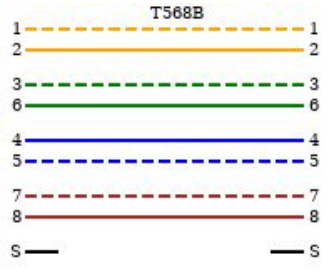
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

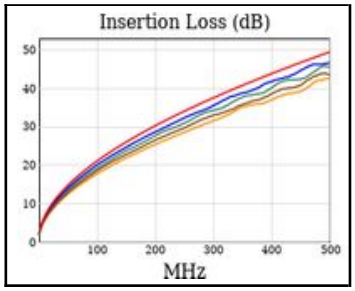
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

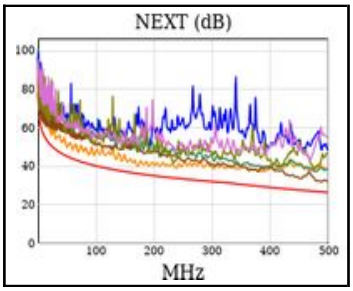
Length (ft), Limit 328	[Pair 1,2]	342
Prop. Delay (ns), Limit 555	[Pair 4,5]	541
Delay Skew (ns), Limit 50	[Pair 4,5]	32
Resistance (ohms)	[Pair 4,5]	15.6
Insertion Loss Margin (dB)	[Pair 4,5]	2.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

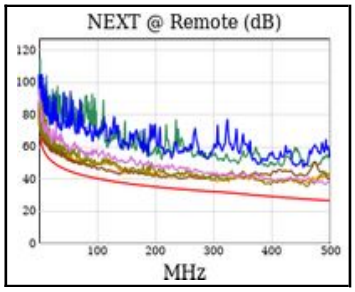


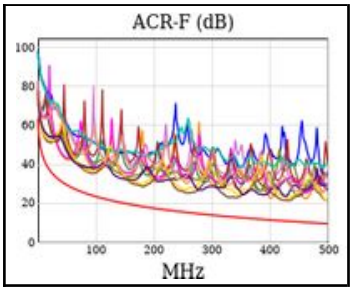
PASS

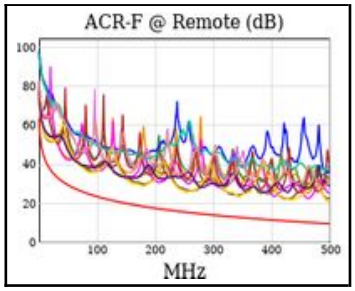


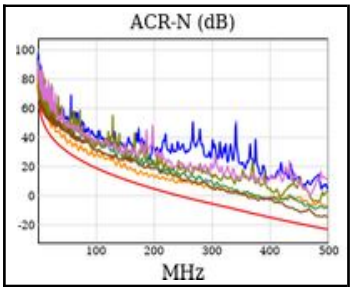


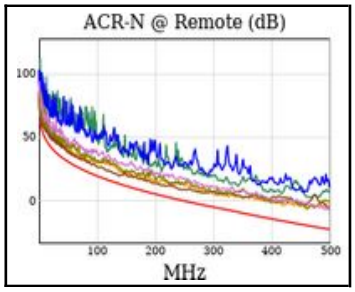


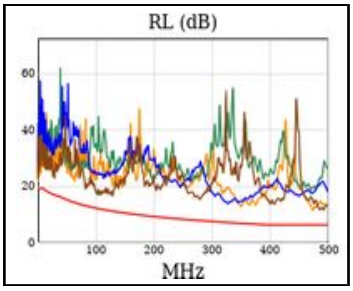


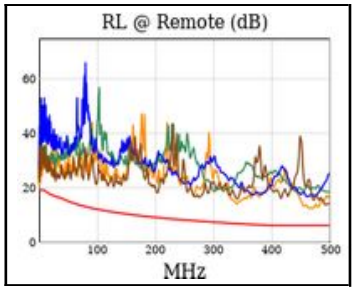












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.9	3.9	5.4	7.9
Freq. (MHz)	173.5	6.5	491.0	462.0
Limit (dB)	35.8	59.6	26.3	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	3.4	6.9	8.5
Freq. (MHz)	4.0	3.8	481.0	462.0
Limit (dB)	60.5	61.0	23.7	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	10.0	11.6	10.7
Freq. (MHz)	332.0	253.0	500.0	500.0
Limit (dB)	12.8	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.3	13.2	13.4
Freq. (MHz)	158.5	159.0	500.0	500.0
Limit (dB)	16.3	16.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	4.4	4.3	8.4	15.3
Freq. (MHz)	4.1	6.5	500.0	494.0
Limit (dB)	58.6	54.4	-23.2	-22.7
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	4.3	3.9	10.4	14.7
Freq. (MHz)	4.0	3.8	500.0	500.0
Limit (dB)	56.4	57.0	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.1	2.7	5.2	6.2
Freq. (MHz)	3.4	3.4	475.0	471.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 143-A

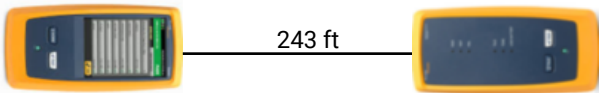
Test Summary: PASS

Date / Time: 12/03/2022 05:03:54 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

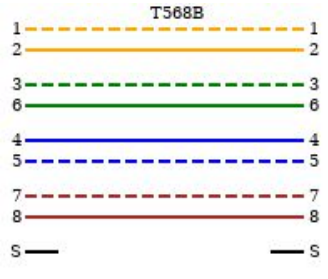
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	243
Prop. Delay (ns), Limit 555	[Pair 4,5]	384
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 3,6]	16.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

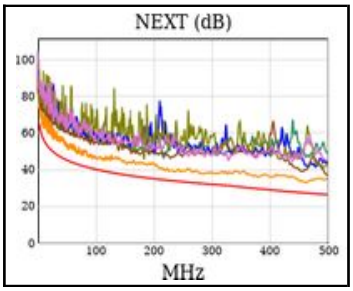


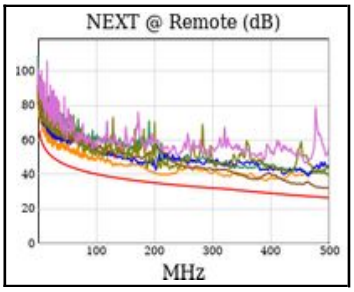
PASS



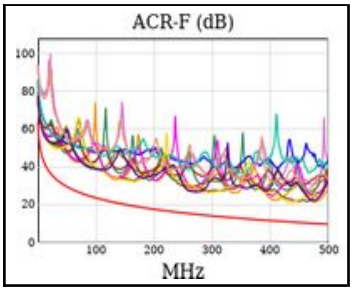


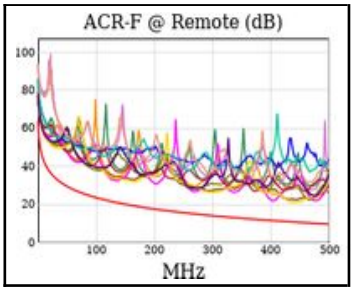
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.8	4.8	5.7	5.7
Freq. (MHz)	220.0	213.0	464.0	500.0
Limit (dB)	34.1	34.3	27.0	26.1
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	7.3	6.3	7.8	7.7
Freq. (MHz)	220.0	204.5	464.0	500.0
Limit (dB)	31.1	31.7	24.1	23.2



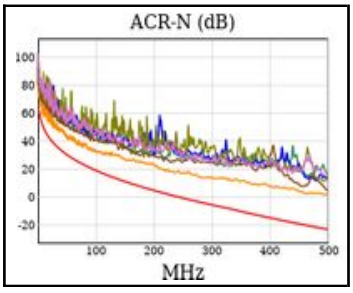


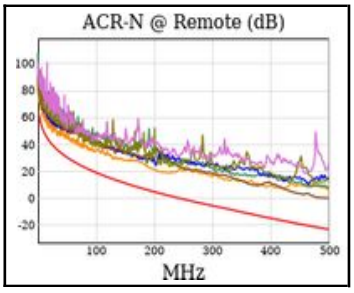
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.2	10.2	10.2
Freq. (MHz)	438.0	440.0	438.0	440.0
Limit (dB)	10.4	10.4	10.4	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.9	10.6	11.1
Freq. (MHz)	475.0	272.0	475.0	474.0
Limit (dB)	6.7	11.6	6.7	6.7



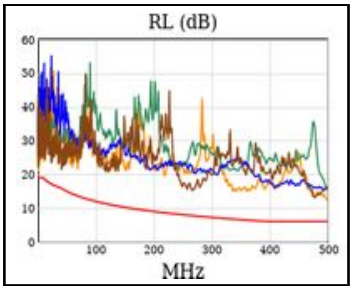


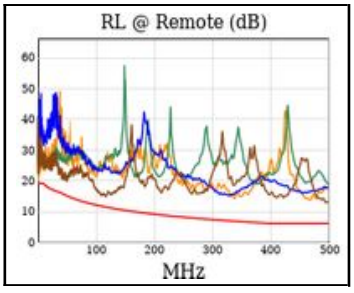
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.5	8.7	24.6	23.0
Freq. (MHz)	8.4	18.1	497.0	500.0
Limit (dB)	51.9	43.6	-23.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	10.4	25.2	24.3
Freq. (MHz)	8.4	8.3	497.0	500.0
Limit (dB)	49.3	49.5	-25.8	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.2	3.3	6.5	6.7
Freq. (MHz)	11.9	118.0	500.0	496.0
Limit (dB)	18.6	11.3	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 143-B

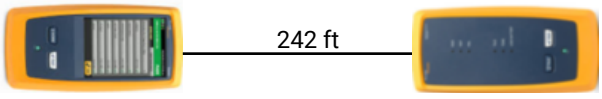
Test Summary: PASS

Date / Time: 12/03/2022 05:03:19 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

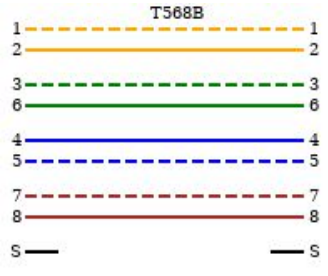
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

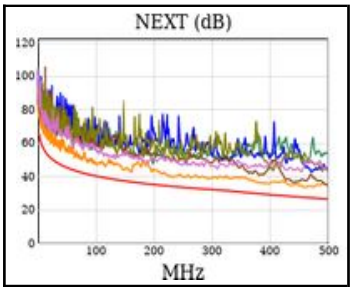
Length (ft), Limit 328	[Pair 1,2]	242
Prop. Delay (ns), Limit 555	[Pair 4,5]	384
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 3,6]	16.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

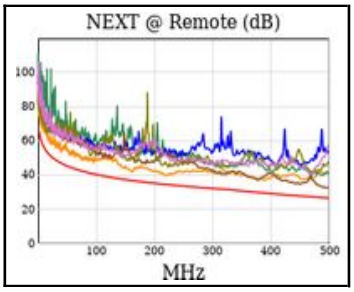


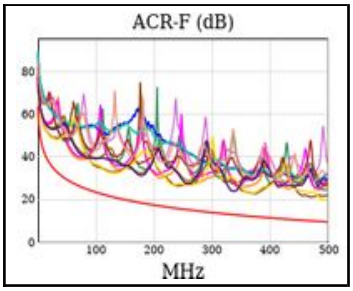
PASS

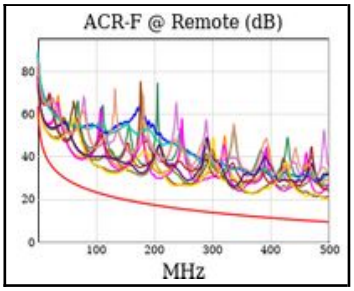


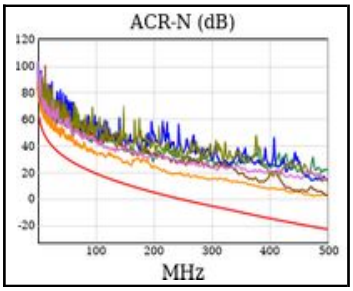


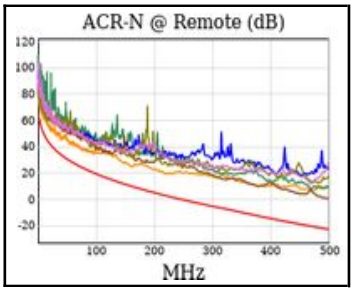


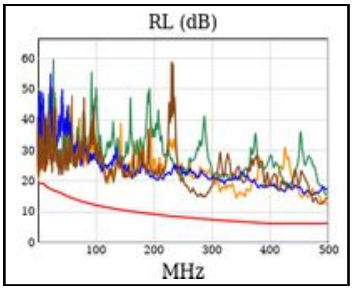


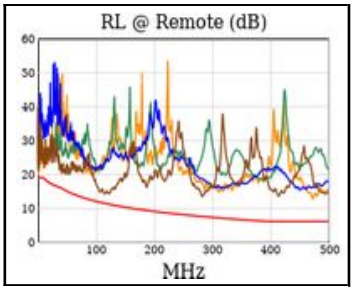












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	5.2	4.9	5.8	5.8
Freq. (MHz)	232.0	162.0	459.0	497.0
Limit (dB)	33.7	36.4	27.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.4	6.7	8.0	8.0
Freq. (MHz)	459.0	162.0	499.0	497.0
Limit (dB)	24.2	33.4	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	10.5	10.1	10.7
Freq. (MHz)	495.0	236.5	495.0	495.0
Limit (dB)	9.4	15.8	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.5	11.5	11.4
Freq. (MHz)	2.9	351.0	489.0	489.0
Limit (dB)	51.1	9.4	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	9.4	23.1	23.1
Freq. (MHz)	4.1	4.3	476.0	497.0
Limit (dB)	58.6	58.3	-21.3	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	10.3	24.8	24.8
Freq. (MHz)	4.1	4.3	499.0	498.0
Limit (dB)	56.1	55.8	-26.0	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.3	2.7	6.1	6.6
Freq. (MHz)	13.4	115.5	500.0	473.0
Limit (dB)	18.4	11.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-A

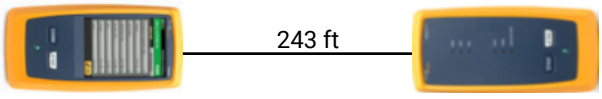
Test Summary: PASS

Date / Time: 12/03/2022 05:05:46 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

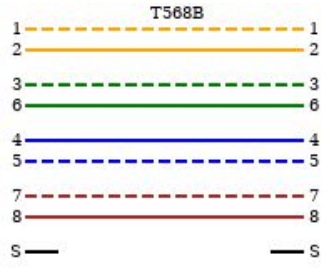
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

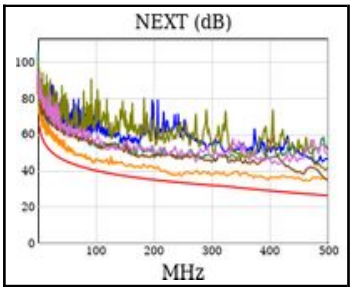
Length (ft), Limit 328	[Pair 1,2]	243
Prop. Delay (ns), Limit 555	[Pair 4,5]	386
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	12.8
Insertion Loss Margin (dB)	[Pair 3,6]	16.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

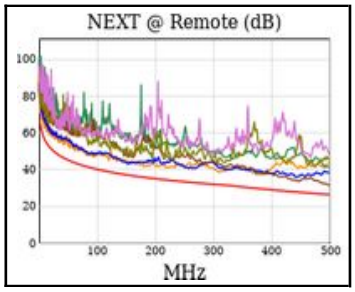


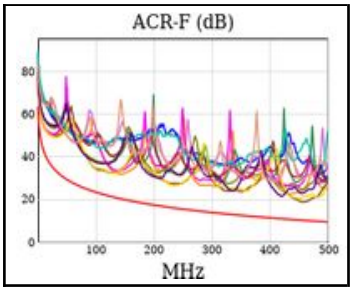
PASS

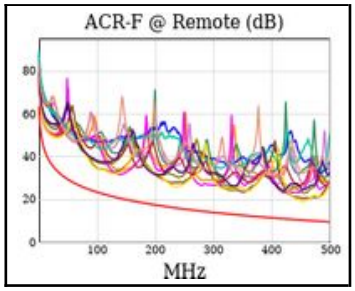


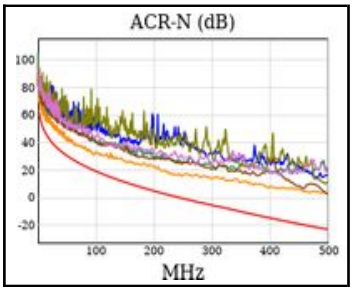


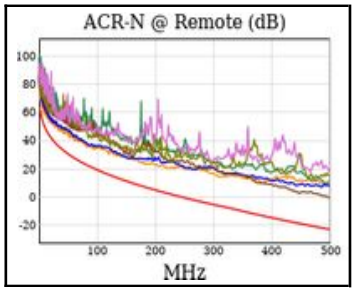


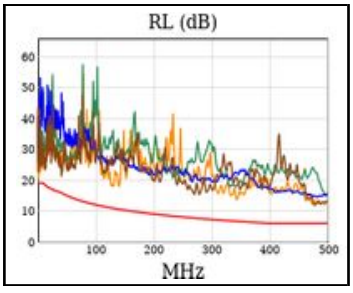


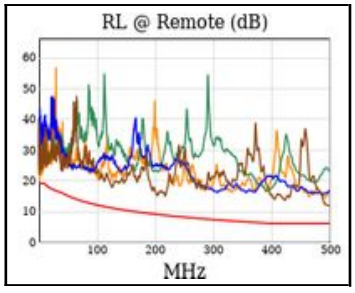












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	5.0	7.0	5.0
Freq. (MHz)	231.5	500.0	460.0	500.0
Limit (dB)	33.7	26.1	27.1	26.1
Worst Pair	1,2	1,2	3,6	4,5
PS NEXT (dB)	6.0	6.3	8.1	7.4
Freq. (MHz)	96.3	154.0	500.0	500.0
Limit (dB)	37.4	33.8	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.6	8.8	8.7	8.8
Freq. (MHz)	457.0	455.0	461.0	455.0
Limit (dB)	10.1	10.1	10.0	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.3	10.2	10.3
Freq. (MHz)	453.0	456.0	453.0	456.0
Limit (dB)	7.1	7.1	7.1	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.3	7.0	25.6	22.3
Freq. (MHz)	2.8	5.5	500.0	500.0
Limit (dB)	61.5	56.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	8.6	24.9	24.3
Freq. (MHz)	2.8	5.6	500.0	500.0
Limit (dB)	58.5	53.2	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	4.7	3.5	5.9	5.8
Freq. (MHz)	7.8	7.8	479.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-B

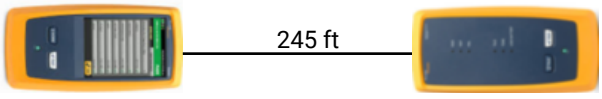
Test Summary: PASS

Date / Time: 12/03/2022 05:06:10 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

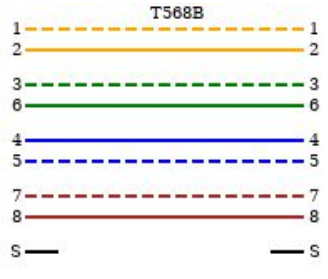
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

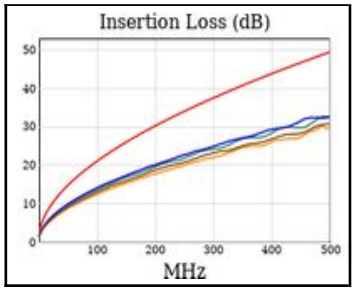
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

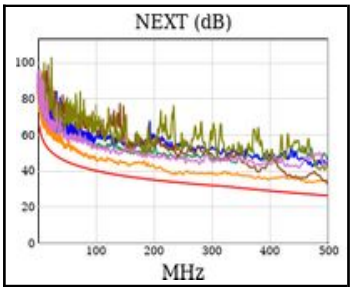
Length (ft), Limit 328	[Pair 1,2]	245
Prop. Delay (ns), Limit 555	[Pair 4,5]	390
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 3,6]	16.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

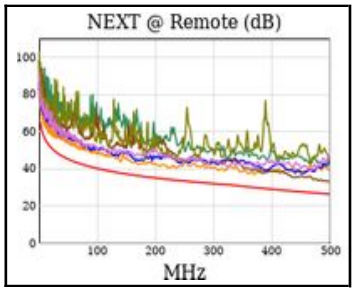


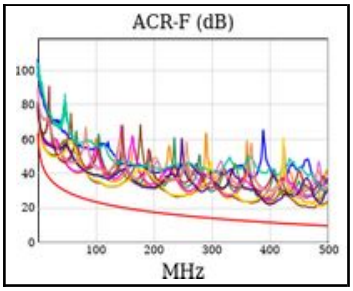
PASS

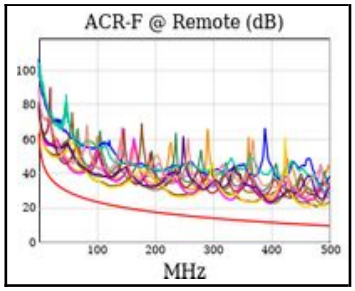


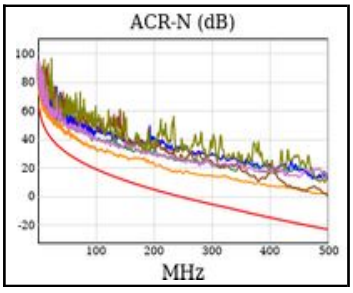


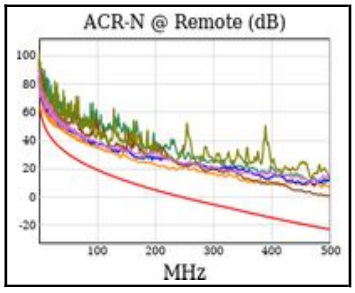


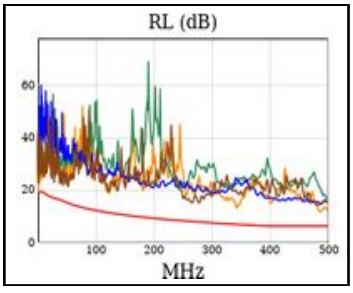


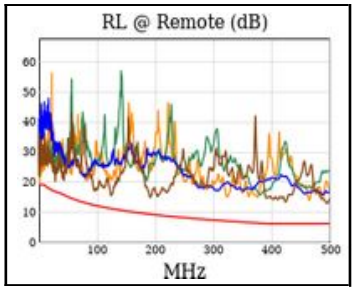












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.1	5.6	6.4	6.7
Freq. (MHz)	234.5	140.5	500.0	498.0
Limit (dB)	33.6	37.4	26.1	26.1
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	6.6	6.8	7.0	8.4
Freq. (MHz)	234.5	172.5	500.0	499.0
Limit (dB)	30.6	33.0	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.3	10.2	10.8
Freq. (MHz)	477.0	123.5	477.0	478.0
Limit (dB)	9.7	21.4	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.5	11.5	11.6
Freq. (MHz)	402.0	399.0	486.0	478.0
Limit (dB)	8.2	8.2	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.7	8.2	23.2	23.5
Freq. (MHz)	2.8	2.9	500.0	499.0
Limit (dB)	61.5	61.4	-23.2	-23.1
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	11.0	10.0	23.8	25.2
Freq. (MHz)	2.8	5.4	500.0	499.0
Limit (dB)	58.5	53.7	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.3	3.3	5.4	6.7
Freq. (MHz)	7.6	28.9	487.0	496.0
Limit (dB)	19.0	16.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-A

Test Summary: PASS

Date / Time: 11/23/2022 07:27:20 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	156
Prop. Delay (ns), Limit 555	[Pair 4,5]	247
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	3.4	5.6	4.7	6.6
Freq. (MHz)	411.0	286.0	474.0	499.0
Limit (dB)	28.4	32.1	26.7	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.8	6.4	7.0	6.4
Freq. (MHz)	412.0	500.0	500.0	500.0
Limit (dB)	25.5	23.2	23.2	23.2

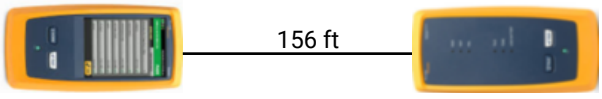
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.3	10.2	10.4	10.2
Freq. (MHz)	412.0	465.0	470.0	465.0
Limit (dB)	11.0	9.9	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.7	11.1	11.0
Freq. (MHz)	412.0	426.0	460.0	465.0
Limit (dB)	8.0	7.7	7.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	11.6	13.1	31.6	35.0
Freq. (MHz)	5.8	4.0	474.0	500.0
Limit (dB)	55.6	58.9	-21.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.2	13.1	34.5	34.8
Freq. (MHz)	4.0	3.8	500.0	500.0
Limit (dB)	56.4	57.0	-26.1	-26.1

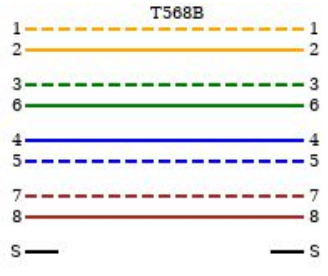
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.0	3.7	6.4	5.4
Freq. (MHz)	16.1	138.5	493.0	352.0
Limit (dB)	18.0	10.6	6.0	6.5

Compliant Network Standards:

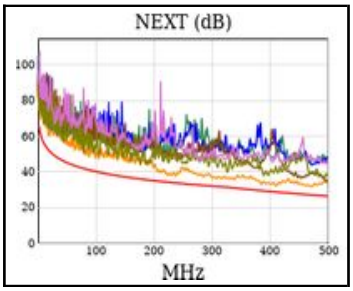
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

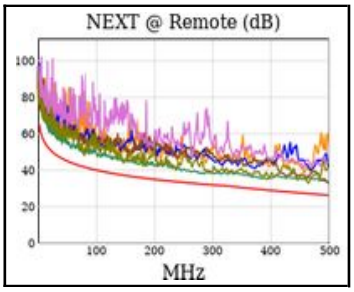


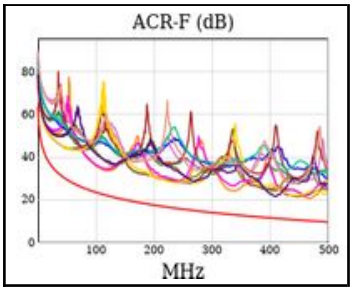
PASS

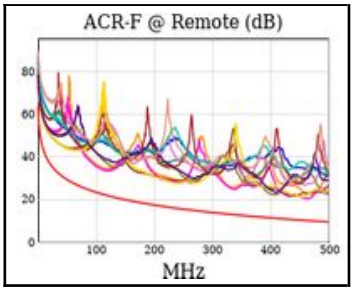


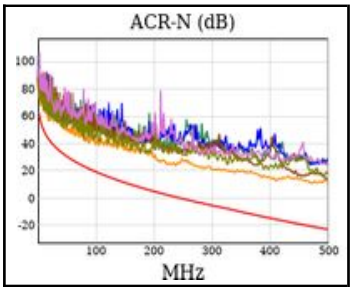


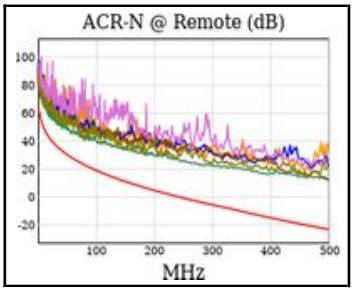


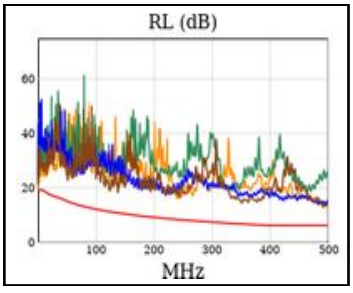


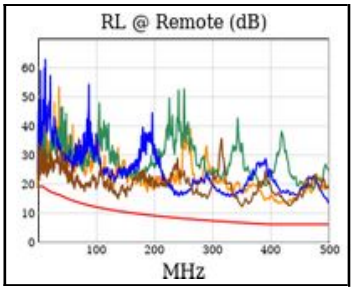












FLUKE networks

LinkWare Live

Cable ID: 144-B

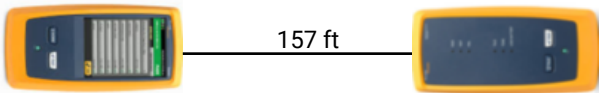
Test Summary: PASS

Date / Time: 11/23/2022 07:27:47 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

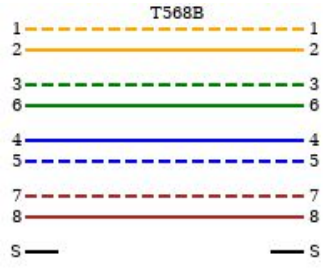
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

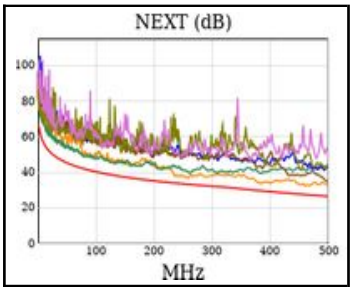
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	248
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

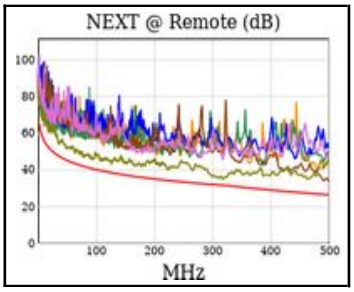


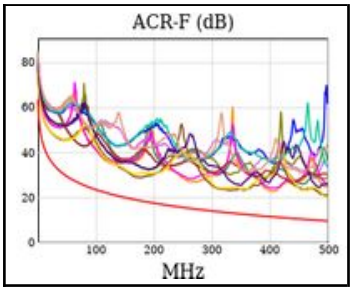
PASS

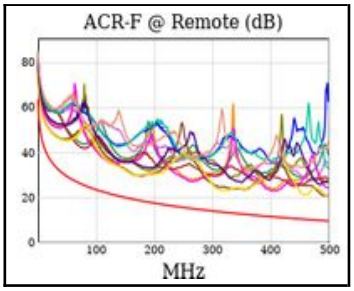


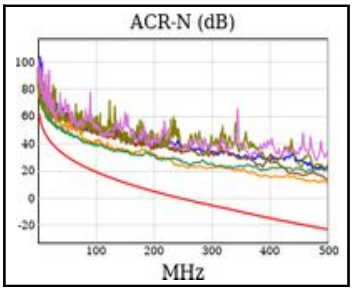


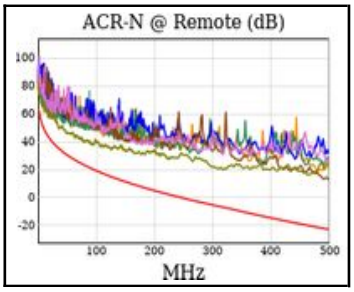


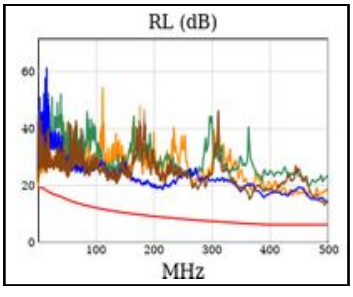


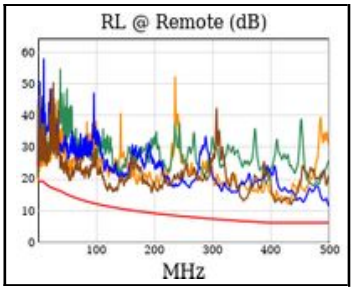












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	3.4	4.7	7.4
Freq. (MHz)	261.0	319.0	462.0	500.0
Limit (dB)	32.8	31.3	27.0	26.1
Worst Pair	1,2	7,8	3,6	3,6
PS NEXT (dB)	4.5	5.9	6.7	8.9
Freq. (MHz)	261.0	319.0	500.0	492.0
Limit (dB)	29.8	28.3	23.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.6	10.6	10.7
Freq. (MHz)	332.0	320.0	500.0	500.0
Limit (dB)	12.8	13.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.8	11.5	12.0
Freq. (MHz)	500.0	168.0	500.0	500.0
Limit (dB)	6.3	15.8	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	12.2	11.7	34.1	35.4
Freq. (MHz)	5.3	6.1	500.0	500.0
Limit (dB)	56.4	55.0	-23.2	-23.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	12.5	12.3	34.6	36.3
Freq. (MHz)	7.9	3.6	500.0	492.0
Limit (dB)	50.0	57.3	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	6.0	4.7	6.9	5.3
Freq. (MHz)	14.4	120.5	496.0	500.0
Limit (dB)	18.2	11.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 145-1-A

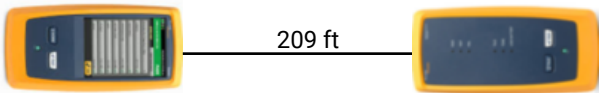
Test Summary: PASS

Date / Time: 11/23/2022 06:23:14 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

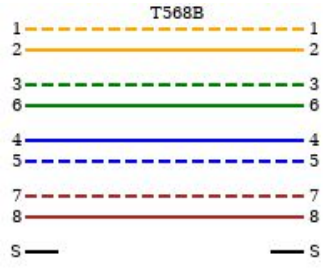
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

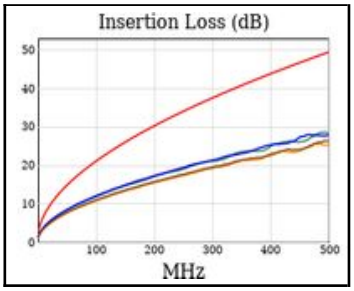
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

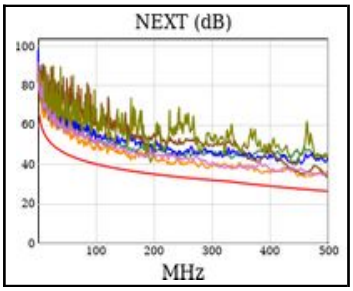
Length (ft), Limit 328	[Pair 1,2]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	331
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	20.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

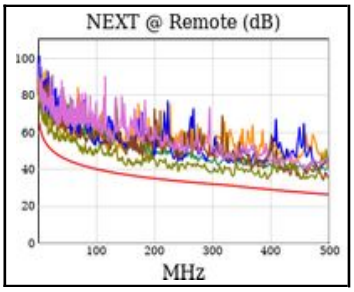


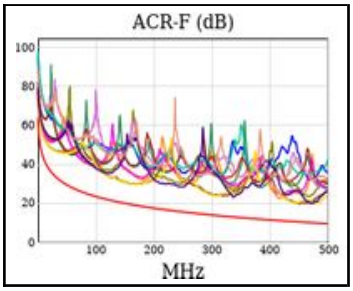
PASS

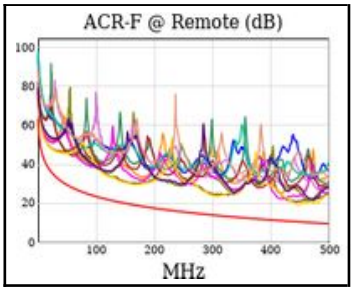


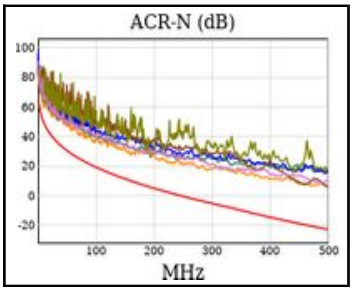


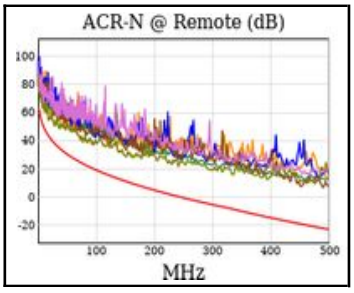


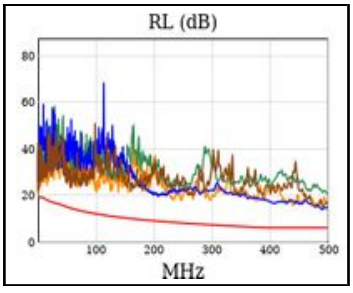


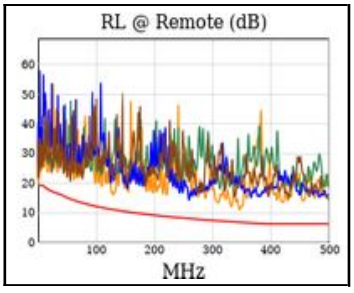












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	5.4	5.0	7.1	7.7
Freq. (MHz)	161.5	152.5	500.0	491.0
Limit (dB)	36.4	36.8	26.1	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	6.8	7.5	7.1
Freq. (MHz)	461.0	153.0	500.0	453.0
Limit (dB)	24.2	33.9	23.2	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.2	8.7	9.2	8.7
Freq. (MHz)	452.0	449.0	452.0	449.0
Limit (dB)	10.2	10.2	10.2	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.7	10.1	10.9
Freq. (MHz)	477.0	446.0	477.0	461.0
Limit (dB)	6.7	7.3	6.7	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	10.1	10.8	28.6	28.9
Freq. (MHz)	8.0	18.9	500.0	491.0
Limit (dB)	52.4	43.2	-23.2	-22.5
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	11.4	11.1	28.5	30.4
Freq. (MHz)	8.0	4.4	500.0	491.0
Limit (dB)	49.8	55.6	-26.1	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	6.3	4.2	7.8	4.2
Freq. (MHz)	17.0	348.0	491.0	348.0
Limit (dB)	17.8	6.6	6.0	6.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-A

Test Summary: PASS

Date / Time: 12/17/2022 07:35:27 PM
Headroom: 1.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	154
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	5.5
Insertion Loss Margin (dB)	[Pair 1,2]	34.4
Frequency (MHz)	[Pair 1,2]	485.0
Limit (dB)	[Pair 1,2]	48.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	1.6	6.4	4.8	8.5
Freq. (MHz)	148.0	298.0	456.0	500.0
Limit (dB)	37.0	31.8	27.2	26.1
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	2.9	7.5	6.1	8.6
Freq. (MHz)	171.0	298.0	456.0	458.0
Limit (dB)	33.0	28.8	24.3	24.2

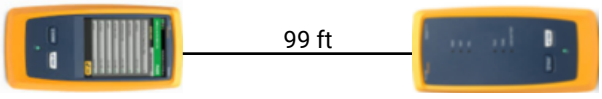
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.0	10.9	10.1
Freq. (MHz)	439.0	435.0	455.0	439.0
Limit (dB)	10.4	10.5	10.1	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.2	11.1	12.2	11.1
Freq. (MHz)	472.0	431.0	472.0	431.0
Limit (dB)	6.8	7.6	6.8	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.3	11.1	39.7	44.5
Freq. (MHz)	3.3	3.4	456.0	500.0
Limit (dB)	60.7	60.4	-19.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	11.3	42.0	44.5
Freq. (MHz)	3.3	3.4	478.0	485.0
Limit (dB)	58.2	57.9	-24.4	-24.9

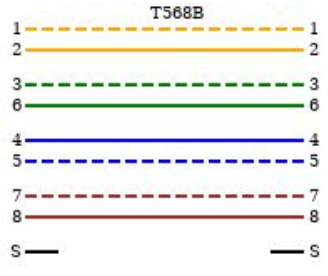
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	4.2	4.4	6.5	6.1
Freq. (MHz)	59.3	42.8	424.0	463.0
Limit (dB)	14.3	15.7	6.0	6.0

Compliant Network Standards:

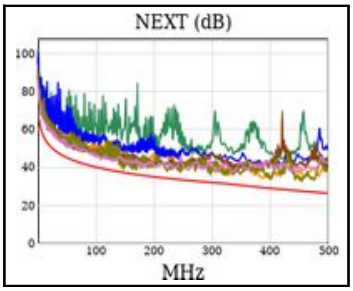
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

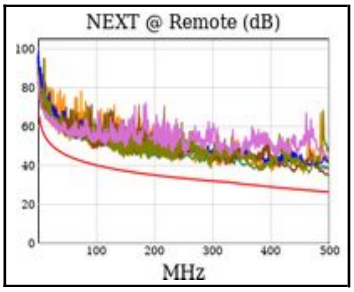


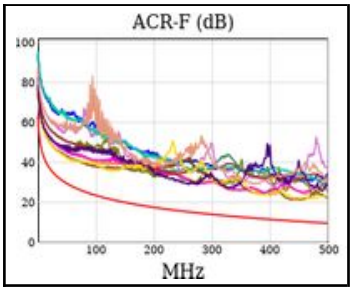
PASS

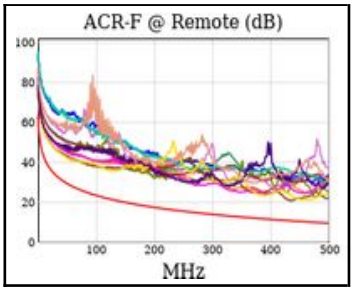


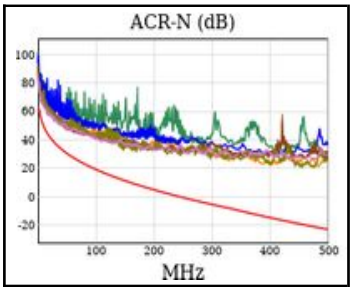


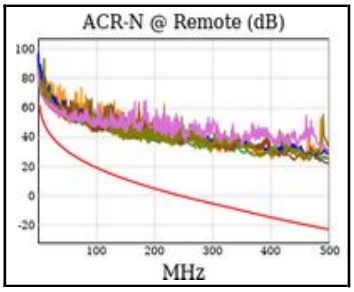


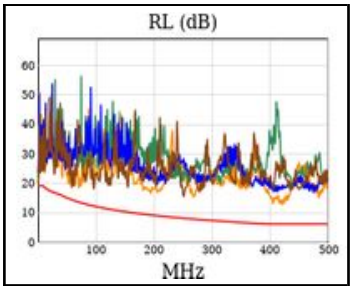


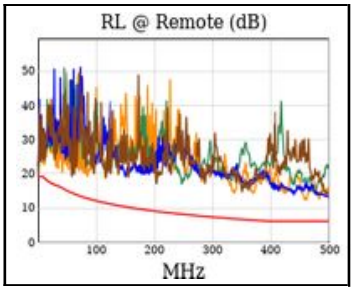












FLUKE networks

LinkWare Live

Cable ID: 144-B

Test Summary: PASS

Date / Time: 12/17/2022 07:35:48 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	97
Prop. Delay (ns), Limit 555	[Pair 4,5]	151
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	5.5
Insertion Loss Margin (dB)	[Pair 3,6]	35.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.0	5.4	8.1	8.2
Freq. (MHz)	225.5	296.0	495.0	497.0
Limit (dB)	33.9	31.8	26.2	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.7	6.7	8.5	9.2
Freq. (MHz)	155.0	3.8	494.0	494.0
Limit (dB)	33.8	61.0	23.4	23.4

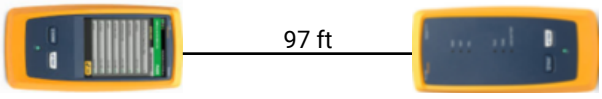
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	9.9	9.9	10.3
Freq. (MHz)	452.0	438.0	455.0	498.0
Limit (dB)	10.2	10.4	10.1	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.0	11.7	12.2	11.9
Freq. (MHz)	486.0	438.0	498.0	498.0
Limit (dB)	6.5	7.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	10.5	43.4	44.5
Freq. (MHz)	3.4	3.1	495.0	497.0
Limit (dB)	60.4	61.1	-22.8	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	9.6	43.7	44.4
Freq. (MHz)	3.4	3.6	494.0	494.0
Limit (dB)	57.9	57.3	-25.6	-25.6

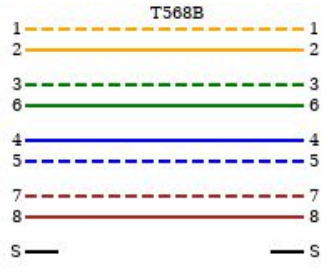
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.5	4.1	6.1	7.6
Freq. (MHz)	58.3	36.3	416.0	497.0
Limit (dB)	14.3	16.2	6.0	6.0

Compliant Network Standards:

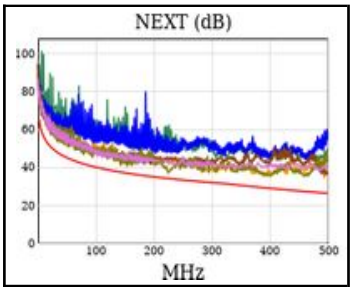
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

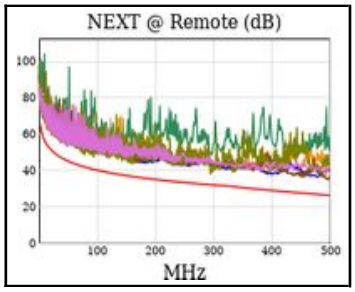


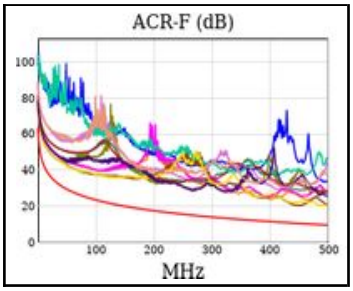
PASS

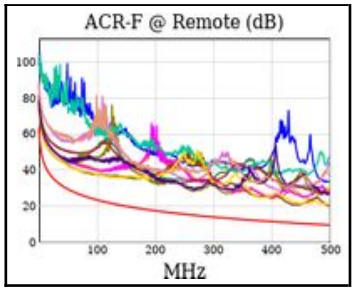


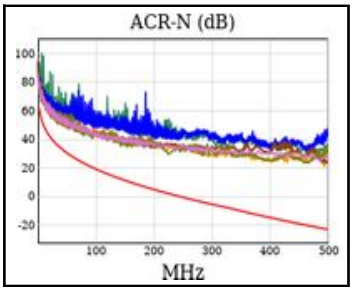


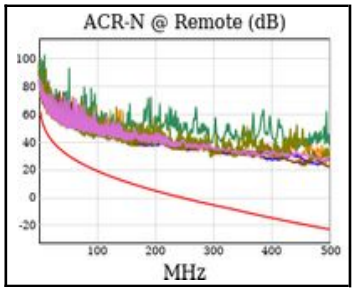


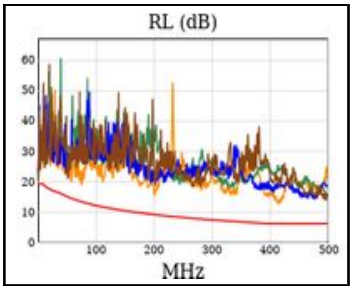


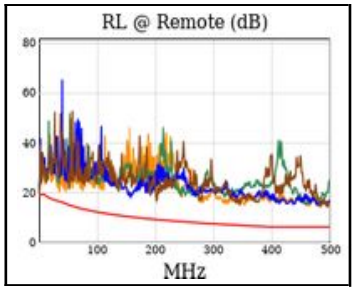












FLUKE networks

LinkWare Live

Cable ID: 144-A

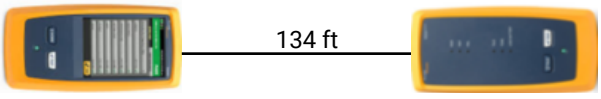
Test Summary: PASS

Date / Time: 12/10/2022 04:21:34 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

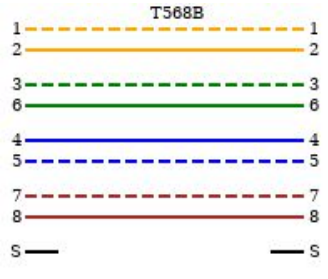
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

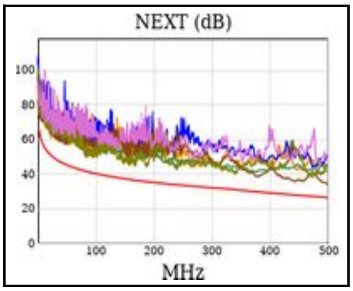
Length (ft), Limit 328	[Pair 1,2]	134
Prop. Delay (ns), Limit 555	[Pair 4,5]	212
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 4,5]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.3
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

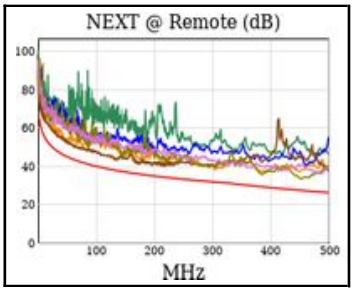


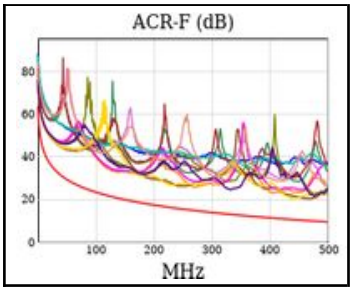
PASS

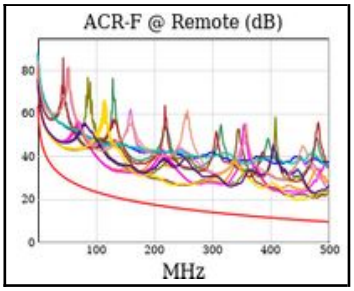


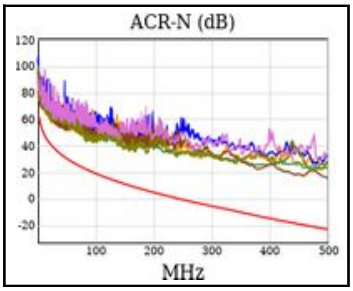


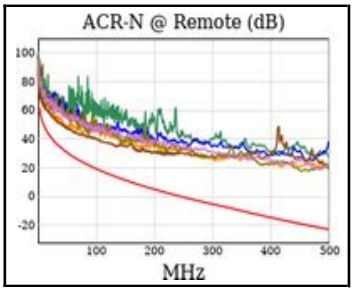


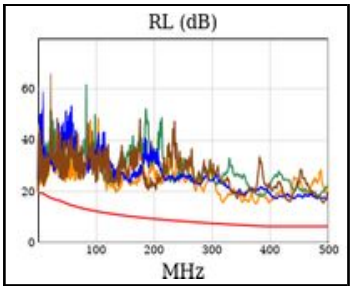


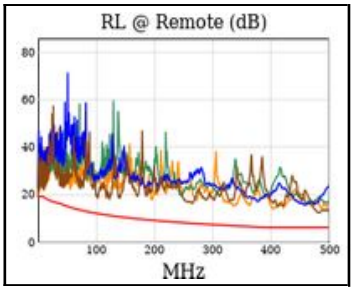












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.5	4.9	7.5	5.9
Freq. (MHz)	500.0	175.5	500.0	453.0
Limit (dB)	26.1	35.8	26.1	27.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.6	5.5	9.6	7.4
Freq. (MHz)	158.5	175.0	500.0	454.0
Limit (dB)	33.6	32.9	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.4	10.2	9.4
Freq. (MHz)	438.0	450.0	467.0	450.0
Limit (dB)	10.4	10.2	9.9	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	10.9	11.1
Freq. (MHz)	8.5	5.6	442.0	480.0
Limit (dB)	41.7	45.3	7.3	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.1	9.7	38.4	37.6
Freq. (MHz)	2.6	4.6	500.0	466.0
Limit (dB)	61.6	57.6	-23.2	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.8	10.9	39.7	40.7
Freq. (MHz)	4.6	5.0	494.0	500.0
Limit (dB)	55.1	54.3	-25.6	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	8.1	6.1	8.6	6.1
Freq. (MHz)	320.0	484.0	378.0	484.0
Limit (dB)	6.9	6.0	6.2	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 144-B

Test Summary: PASS

Date / Time: 12/10/2022 04:25:34 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	133
Prop. Delay (ns), Limit 555	[Pair 4,5]	210
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 4,5]	6.1
Insertion Loss Margin (dB)	[Pair 4,5]	29.3
Frequency (MHz)	[Pair 4,5]	472.0
Limit (dB)	[Pair 4,5]	47.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	7.3	5.0	8.2	8.4
Freq. (MHz)	442.0	302.0	500.0	500.0
Limit (dB)	27.6	31.7	26.1	26.1
Worst Pair	1,2	3,6	4,5	4,5
PS NEXT (dB)	8.7	4.7	9.6	8.9
Freq. (MHz)	18.8	175.0	497.0	500.0
Limit (dB)	49.4	32.9	23.3	23.2

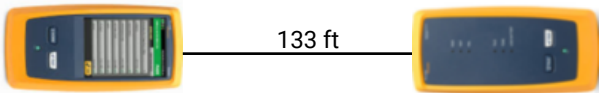
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.1	10.3	10.1
Freq. (MHz)	436.0	445.0	437.0	445.0
Limit (dB)	10.5	10.3	10.4	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.1	11.6	11.9
Freq. (MHz)	1.0	186.5	436.0	445.0
Limit (dB)	60.3	14.8	7.5	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	12.1	11.1	39.3	40.1
Freq. (MHz)	2.8	18.9	500.0	500.0
Limit (dB)	61.5	43.2	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.9	10.5	40.9	40.0
Freq. (MHz)	2.8	4.8	500.0	500.0
Limit (dB)	58.5	54.8	-26.1	-26.1

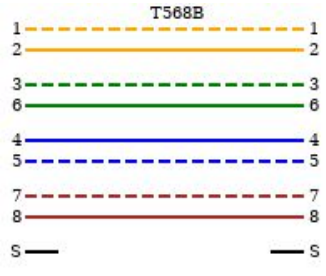
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.6	3.4	7.8	3.4
Freq. (MHz)	194.0	500.0	344.0	500.0
Limit (dB)	9.1	6.0	6.6	6.0

Compliant Network Standards:

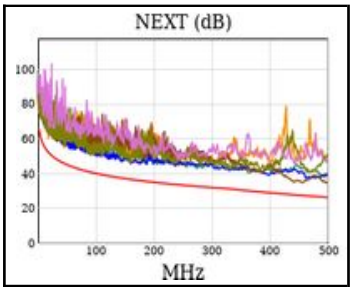
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

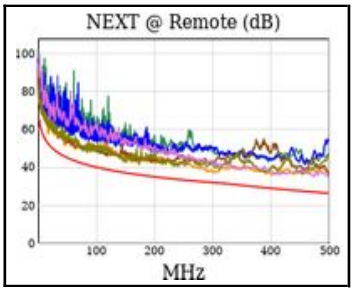


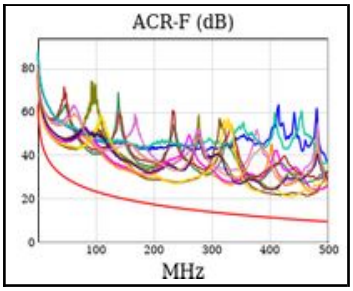
PASS

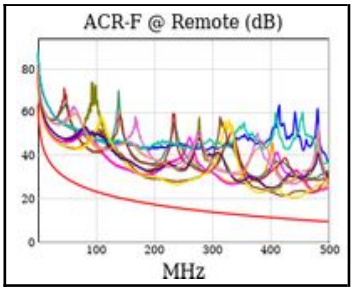


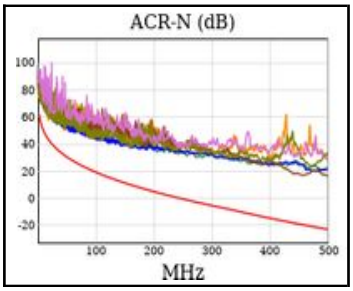


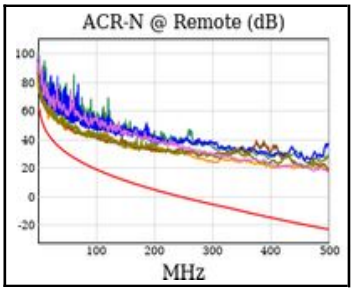


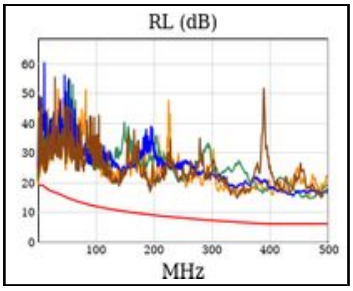


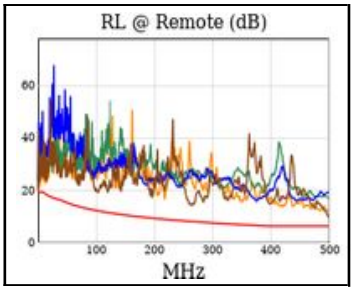












FLUKE networks

LinkWare Live

Cable ID: 143-B

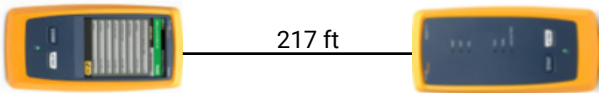
Test Summary: PASS

Date / Time: 11/27/2022 06:17:03 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

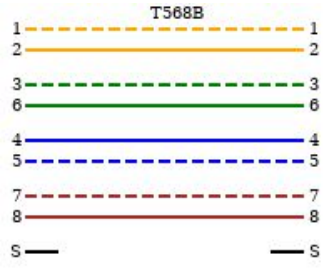
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

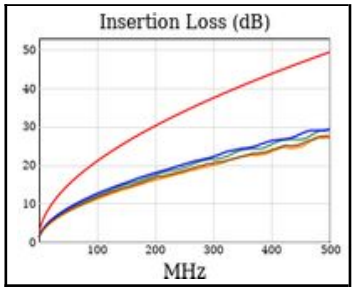
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

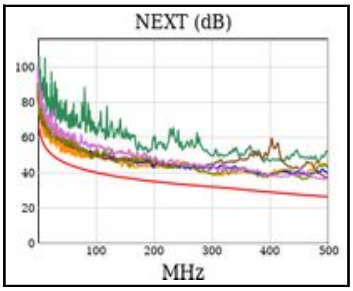
Length (ft), Limit 328	[Pair 1,2]	217
Prop. Delay (ns), Limit 555	[Pair 4,5]	343
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 7,8]	11.3
Insertion Loss Margin (dB)	[Pair 4,5]	20.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

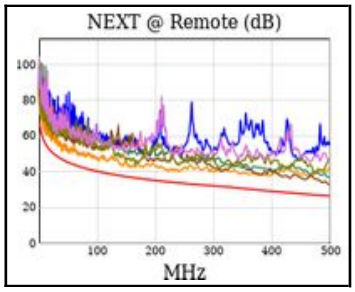


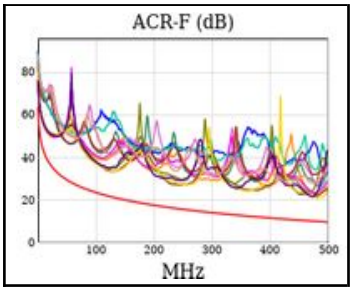
PASS

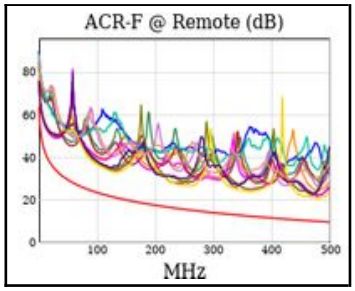


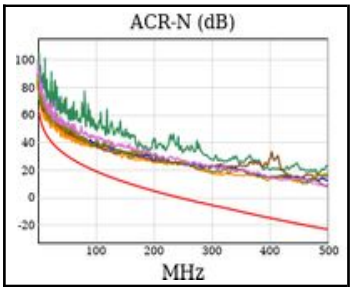


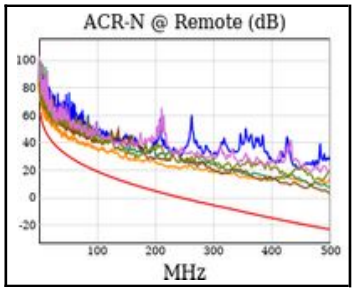


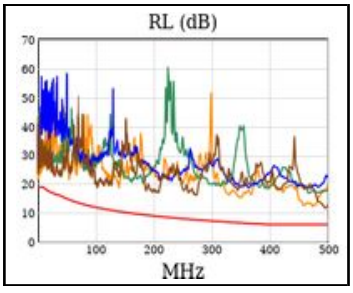


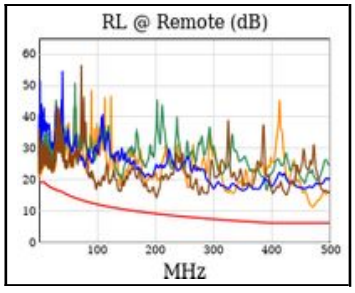












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	4.8	4.2	9.7	6.4
Freq. (MHz)	41.5	39.8	495.0	500.0
Limit (dB)	46.4	46.7	26.2	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.9	6.1	8.9	7.8
Freq. (MHz)	158.5	39.8	464.0	500.0
Limit (dB)	33.6	43.9	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.0	10.7	11.0	10.7
Freq. (MHz)	233.0	482.0	483.0	482.0
Limit (dB)	15.9	9.6	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.6	10.2	10.7
Freq. (MHz)	479.0	6.4	479.0	472.0
Limit (dB)	6.7	44.2	6.7	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.1	8.3	31.1	26.4
Freq. (MHz)	12.6	12.6	500.0	500.0
Limit (dB)	47.7	47.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.5	9.3	30.1	27.8
Freq. (MHz)	3.0	7.9	496.0	500.0
Limit (dB)	58.4	50.0	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.7	4.7	5.7	5.1
Freq. (MHz)	497.0	99.5	497.0	472.0
Limit (dB)	6.0	12.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 146-1-A-2

Test Summary: PASS

Date / Time: 12/19/2022 03:56:49 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	111
Prop. Delay (ns), Limit 555	[Pair 4,5]	173
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	5.3
Insertion Loss Margin (dB)	[Pair 3,6]	33.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-4,5	1,2-3,6
NEXT (dB)	3.2	6.7	6.9	7.0
Freq. (MHz)	226.5	3.1	475.0	482.0
Limit (dB)	33.9	64.8	26.7	26.5
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	3.9	7.5	7.2	8.2
Freq. (MHz)	226.5	3.1	465.0	492.0
Limit (dB)	30.9	62.0	24.1	23.4

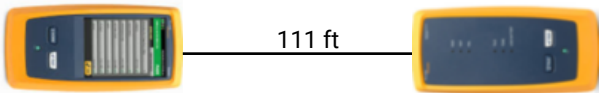
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.8	10.6	10.8
Freq. (MHz)	455.0	485.0	455.0	485.0
Limit (dB)	10.1	9.5	10.1	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	11.7	12.4
Freq. (MHz)	1.0	1.1	484.0	487.0
Limit (dB)	60.3	59.2	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	9.5	9.4	39.6	39.6
Freq. (MHz)	2.9	3.1	475.0	482.0
Limit (dB)	61.4	61.1	-21.2	-21.8
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	10.1	10.2	40.6	41.2
Freq. (MHz)	3.1	3.1	465.0	492.0
Limit (dB)	58.3	58.3	-23.3	-25.5

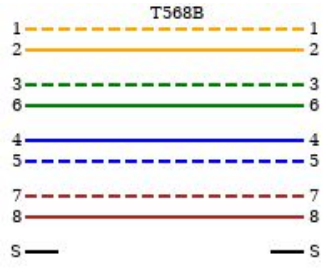
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.8	7.0	7.4	7.4
Freq. (MHz)	47.3	357.0	488.0	485.0
Limit (dB)	15.3	6.5	6.0	6.0

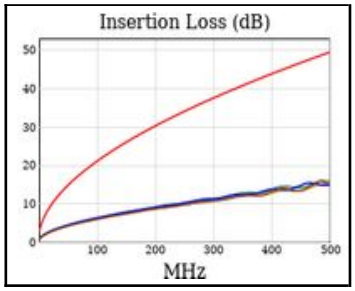
Compliant Network Standards:

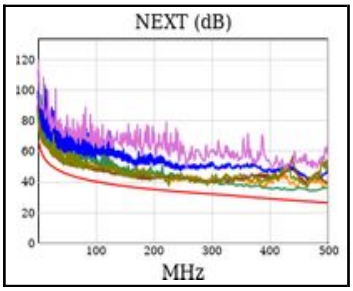
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

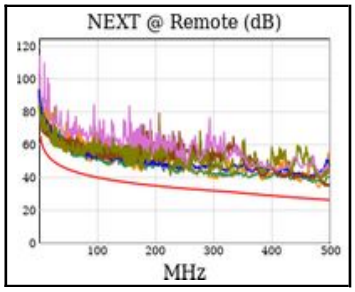


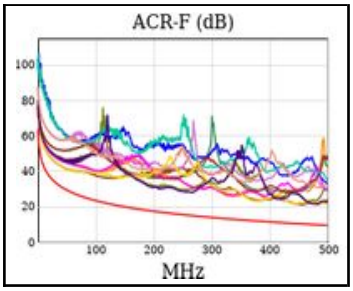
PASS

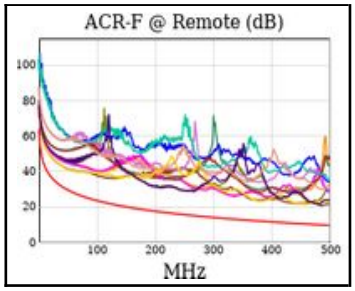


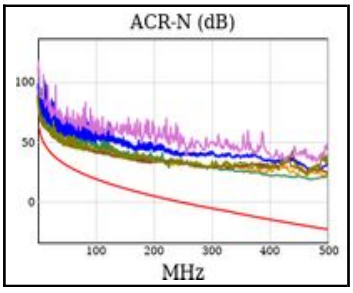


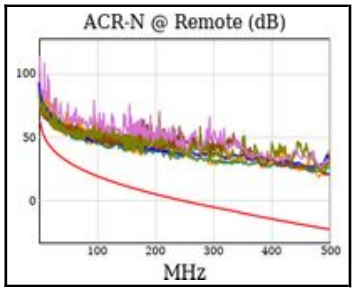


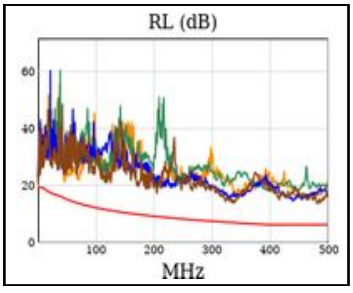


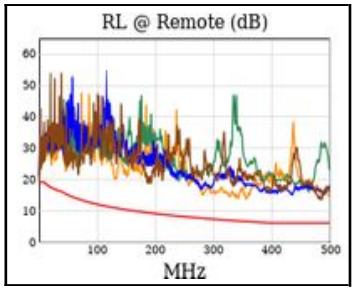












FLUKE networks

LinkWare Live

Cable ID: 146-1-B-2

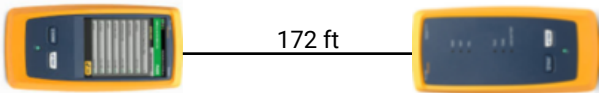
Test Summary: PASS

Date / Time: 12/19/2022 04:13:40 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

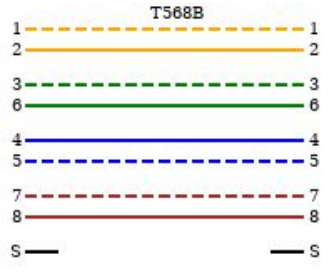
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

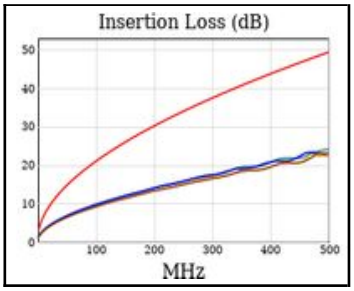
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

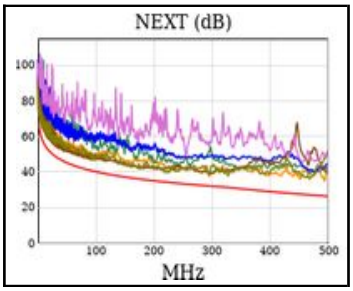
Length (ft), Limit 328	[Pair 7,8]	172
Prop. Delay (ns), Limit 555	[Pair 4,5]	267
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

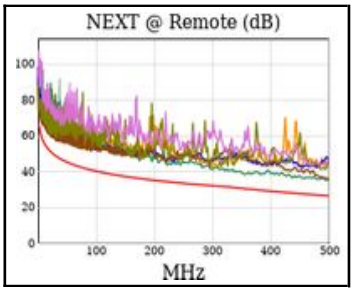


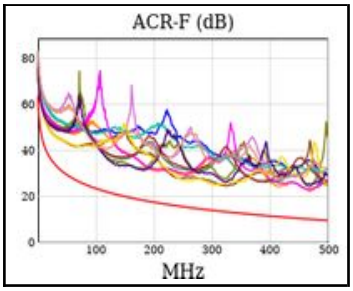
PASS

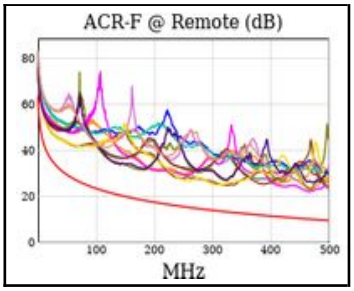


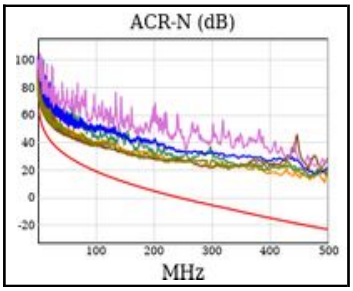


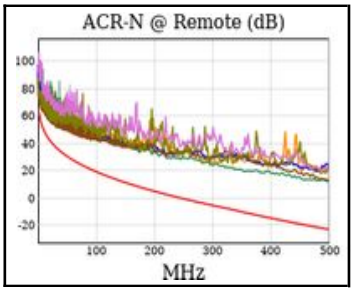


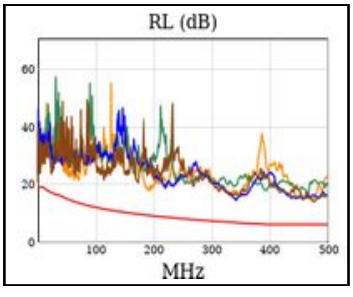


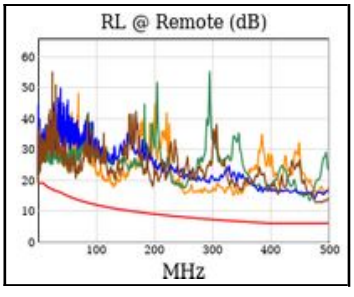












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	5.2	6.7	8.1	8.5
Freq. (MHz)	219.5	3.8	495.0	500.0
Limit (dB)	34.1	63.5	26.2	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.9	7.6	8.6	8.8
Freq. (MHz)	221.5	3.8	469.0	500.0
Limit (dB)	31.1	61.0	24.0	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	11.1	11.2	12.0	11.8
Freq. (MHz)	305.0	307.0	469.0	467.0
Limit (dB)	13.6	13.5	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	13.1	12.3
Freq. (MHz)	6.8	6.8	469.0	467.0
Limit (dB)	43.7	43.7	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	8.0	8.9	33.2	34.8
Freq. (MHz)	3.8	3.8	495.0	500.0
Limit (dB)	59.5	59.5	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.0	9.8	35.1	35.1
Freq. (MHz)	3.8	3.8	495.0	500.0
Limit (dB)	57.0	57.0	-25.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.5	6.6	7.8	6.6
Freq. (MHz)	24.3	488.0	478.0	488.0
Limit (dB)	17.1	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 146-2-A-2

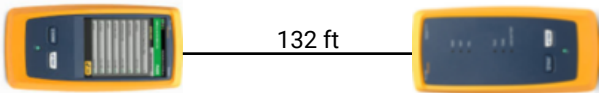
Test Summary: PASS

Date / Time: 12/19/2022 03:52:05 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

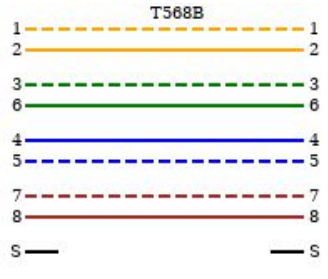
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	205
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.2
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

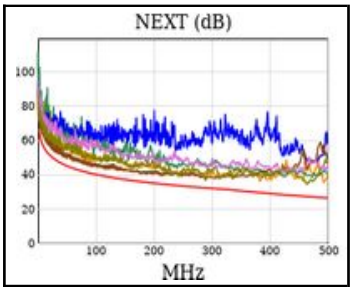


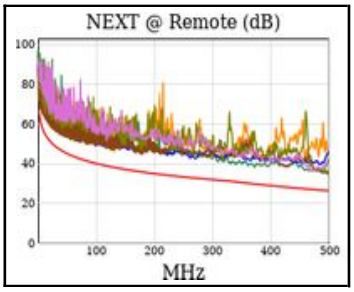
PASS



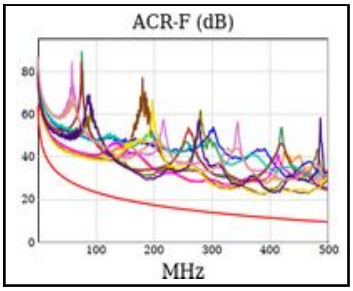


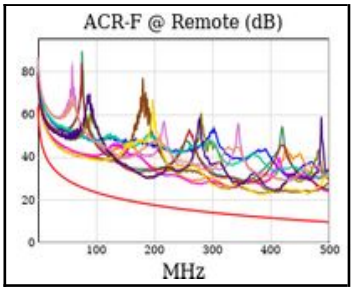
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.0	5.6	7.0	8.4
Freq. (MHz)	93.5	5.0	465.0	500.0
Limit (dB)	40.4	61.5	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.2	7.4	8.5	7.6
Freq. (MHz)	289.0	5.0	459.0	490.0
Limit (dB)	29.0	59.0	24.2	23.5



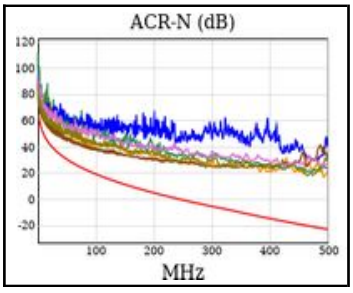


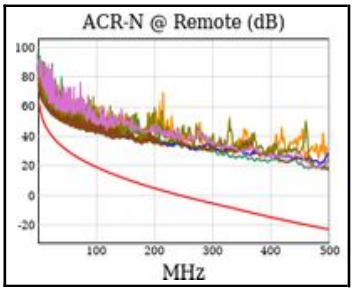
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.7	10.8	12.4
Freq. (MHz)	389.0	384.0	391.0	466.0
Limit (dB)	11.5	11.6	11.4	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	11.4	11.4
Freq. (MHz)	336.0	399.0	399.0	399.0
Limit (dB)	9.7	8.2	8.2	8.2



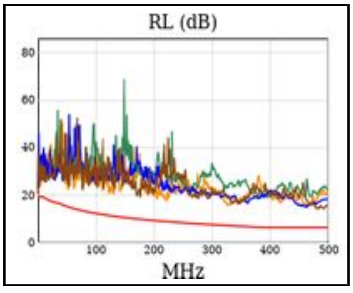


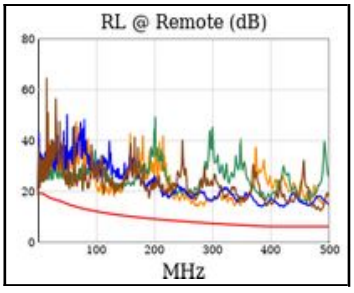
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	8.5	39.1	40.1
Freq. (MHz)	4.9	2.8	493.0	500.0
Limit (dB)	57.1	61.5	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.1	10.2	38.9	39.7
Freq. (MHz)	4.9	2.8	465.0	500.0
Limit (dB)	54.6	58.5	-23.3	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	7.3	6.0	7.8	6.0
Freq. (MHz)	52.5	486.0	494.0	486.0
Limit (dB)	14.8	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 146-2-B-2

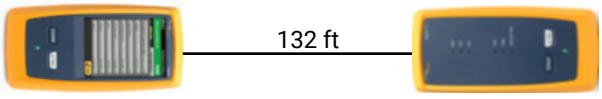
Test Summary: PASS

Date / Time: 12/19/2022 03:51:01 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KEMP MDF

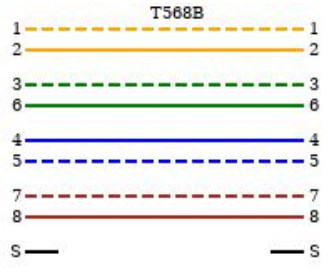
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

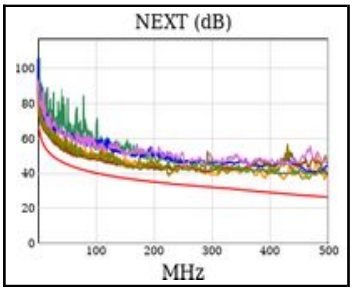


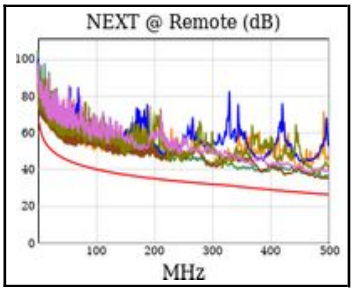
PASS



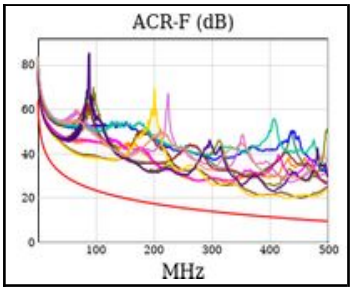


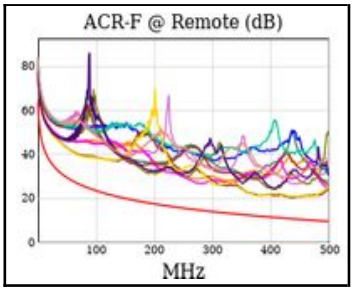
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	7.5	9.6	8.5
Freq. (MHz)	227.0	5.0	495.0	496.0
Limit (dB)	33.8	61.5	26.2	26.2
Worst Pair	3,6	3,6	1,2	4,5
PS NEXT (dB)	5.1	7.4	10.6	7.7
Freq. (MHz)	165.0	5.1	495.0	490.0
Limit (dB)	33.3	58.8	23.3	23.5



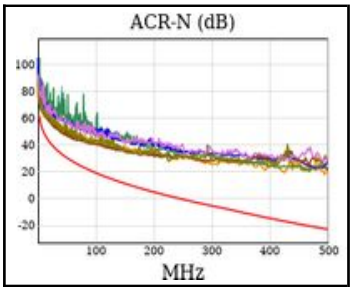


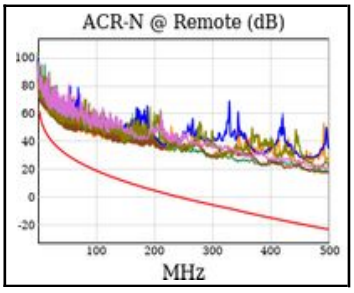
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	8.9	9.2	9.2	9.6
Freq. (MHz)	376.0	379.0	433.0	439.0
Limit (dB)	11.8	11.7	10.5	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.8	10.5	11.0
Freq. (MHz)	408.0	397.0	408.0	408.0
Limit (dB)	8.0	8.3	8.0	8.0



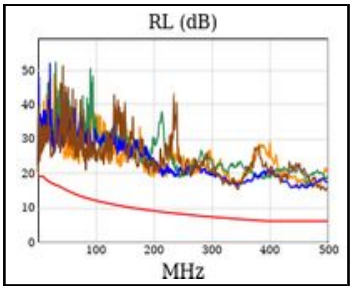


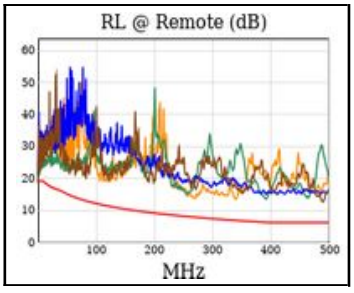
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	9.9	40.0	40.4
Freq. (MHz)	4.9	2.8	495.0	500.0
Limit (dB)	57.1	61.5	-22.8	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.0	10.3	41.6	39.1
Freq. (MHz)	5.1	5.1	495.0	490.0
Limit (dB)	54.1	54.1	-25.7	-25.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	7.4	5.8	8.9	6.3
Freq. (MHz)	23.9	272.0	497.0	491.0
Limit (dB)	17.1	7.7	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 146-B-2

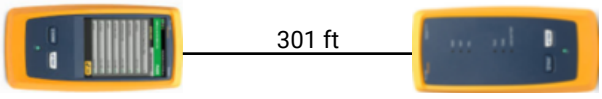
Test Summary: PASS

Date / Time: 11/27/2022 03:43:13 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

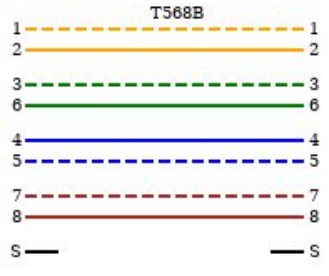
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

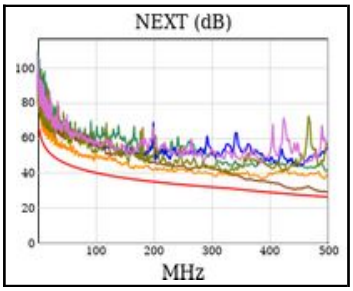
Length (ft), Limit 328	[Pair 1,2]	301
Prop. Delay (ns), Limit 555	[Pair 4,5]	476
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	13.8
Insertion Loss Margin (dB)	[Pair 3,6]	7.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

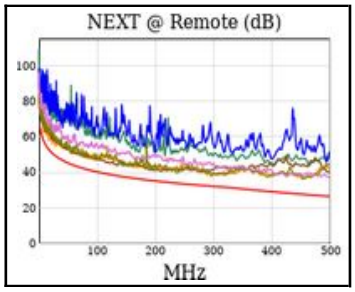


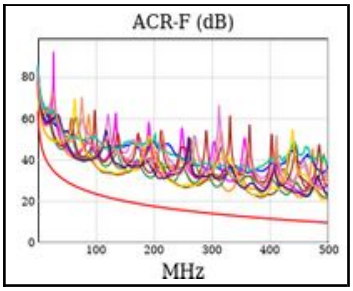
PASS

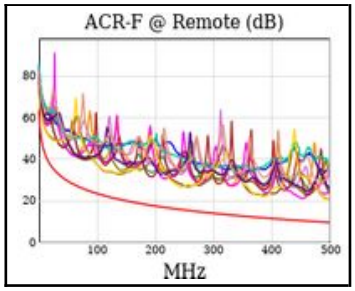


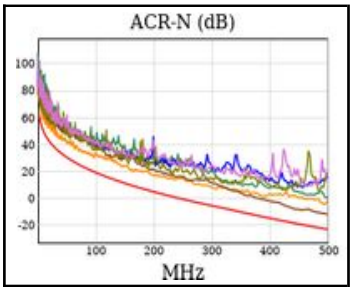


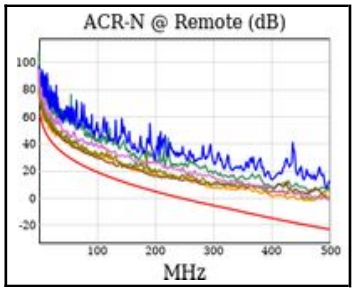


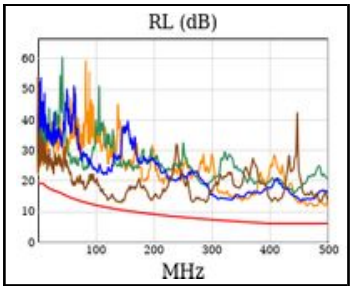


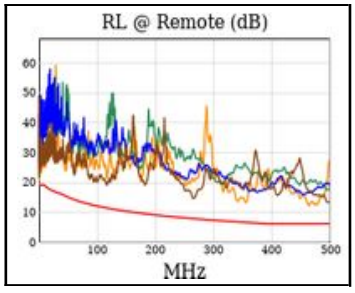












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.7	4.7	2.8	8.6
Freq. (MHz)	497.0	8.9	500.0	454.0
Limit (dB)	26.2	57.4	26.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	4.5	4.9	8.8
Freq. (MHz)	496.0	193.5	496.0	458.0
Limit (dB)	23.3	32.1	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.3	10.4	11.2
Freq. (MHz)	384.0	389.0	495.0	496.0
Limit (dB)	11.6	11.5	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.6	11.7	12.3
Freq. (MHz)	389.0	388.0	497.0	497.0
Limit (dB)	8.5	8.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.4	5.9	11.2	18.4
Freq. (MHz)	9.0	8.9	500.0	469.0
Limit (dB)	51.2	51.3	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.9	6.8	12.7	20.2
Freq. (MHz)	9.0	12.4	497.0	500.0
Limit (dB)	48.6	45.3	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	2.4	4.7	5.4	6.1
Freq. (MHz)	144.5	5.0	476.0	465.0
Limit (dB)	10.4	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 147-A-2

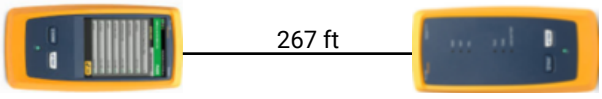
Test Summary: PASS

Date / Time: 11/27/2022 03:46:45 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

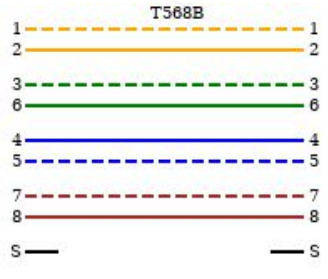
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

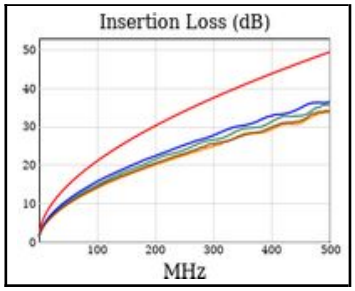
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

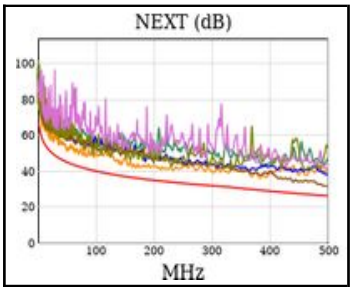
Length (ft), Limit 328	[Pair 1,2]	267
Prop. Delay (ns), Limit 555	[Pair 4,5]	422
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 4,5]	12.3
Insertion Loss Margin (dB)	[Pair 4,5]	12.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

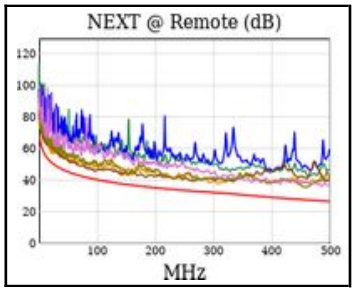


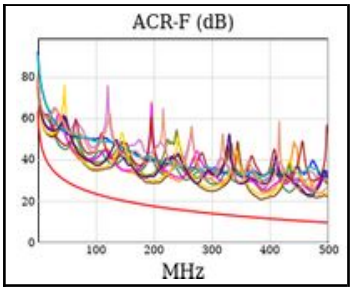
PASS

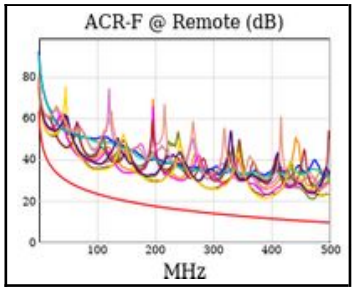


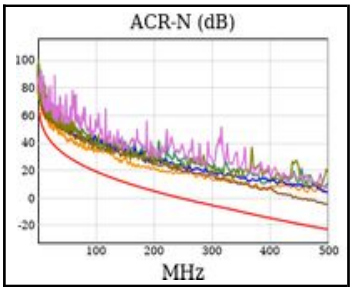


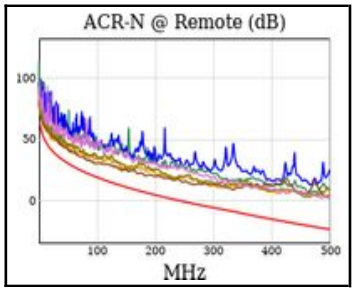


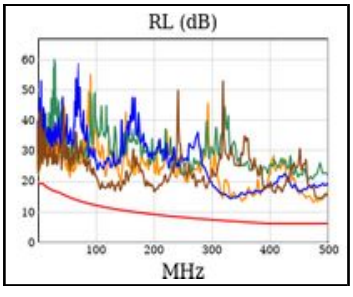


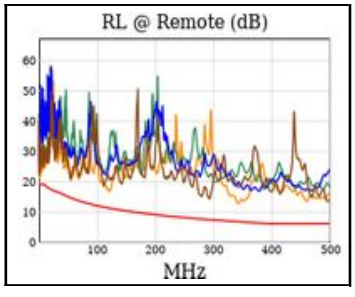












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.3	5.1	5.3	7.9
Freq. (MHz)	500.0	96.0	500.0	458.0
Limit (dB)	26.1	40.2	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	5.0	7.4	8.6
Freq. (MHz)	234.0	145.0	499.0	462.0
Limit (dB)	30.7	34.3	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	8.9	9.6	9.0	11.0
Freq. (MHz)	384.0	390.0	387.0	473.0
Limit (dB)	11.6	11.4	11.5	9.8
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	10.1	10.8	11.7	11.2
Freq. (MHz)	387.0	389.0	482.0	476.0
Limit (dB)	8.5	8.5	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	7.7	7.8	18.1	24.1
Freq. (MHz)	7.6	7.6	500.0	487.0
Limit (dB)	52.8	52.8	-23.2	-22.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.9	7.8	20.5	23.8
Freq. (MHz)	7.8	3.6	500.0	500.0
Limit (dB)	50.1	57.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	5.5	4.7	6.9	6.2
Freq. (MHz)	108.5	8.1	476.0	345.0
Limit (dB)	11.6	19.0	6.0	6.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 146-A

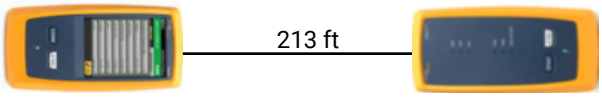
Test Summary: PASS

Date / Time: 12/03/2022 05:08:08 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

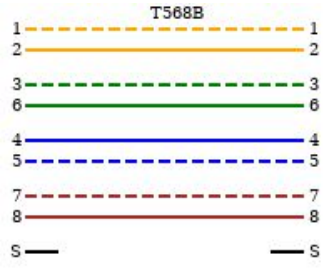
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

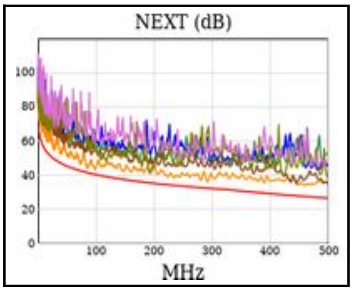
Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	337
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	14.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.2
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

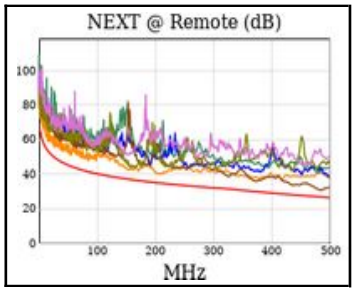


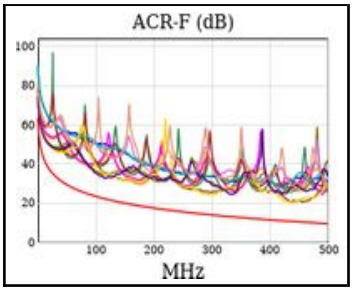
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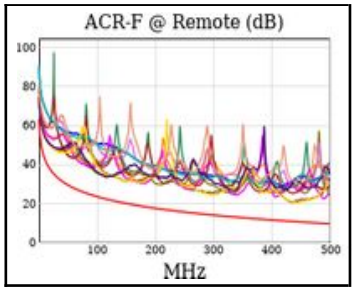


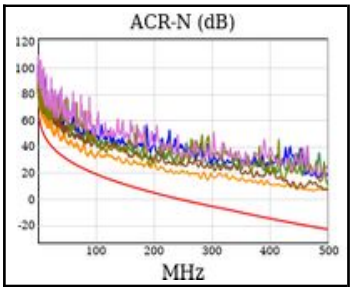


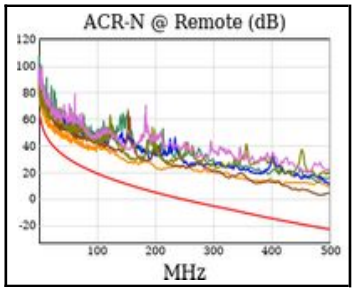


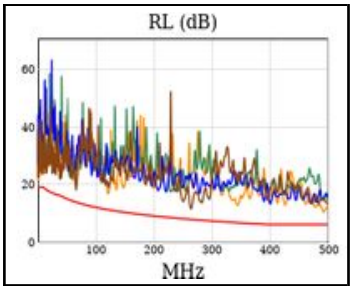


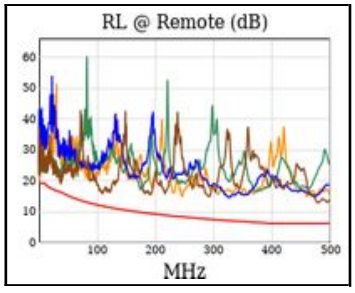












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.4	4.0	6.4	4.0
Freq. (MHz)	85.8	487.0	460.0	487.0
Limit (dB)	41.1	26.4	27.1	26.4
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	5.0	5.9	8.0	6.4
Freq. (MHz)	86.0	170.5	500.0	488.0
Limit (dB)	38.2	33.1	23.2	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.7	9.8	9.7
Freq. (MHz)	441.0	436.0	443.0	445.0
Limit (dB)	10.4	10.5	10.3	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.2	10.4	10.8	11.1
Freq. (MHz)	6.5	8.1	430.0	445.0
Limit (dB)	44.0	42.1	7.6	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.5	8.6	27.4	24.8
Freq. (MHz)	3.1	3.1	476.0	487.0
Limit (dB)	61.1	61.1	-21.3	-22.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.9	28.6	26.2
Freq. (MHz)	3.0	3.1	500.0	488.0
Limit (dB)	58.4	58.3	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	3.4	2.5	4.3	6.6
Freq. (MHz)	265.0	38.3	494.0	481.0
Limit (dB)	7.8	16.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 146-B

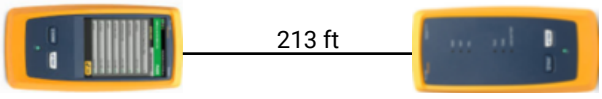
Test Summary: PASS

Date / Time: 12/03/2022 05:08:35 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

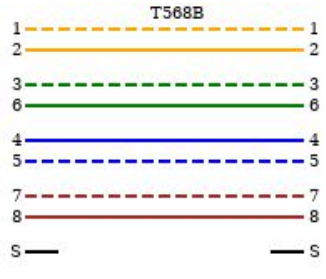
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

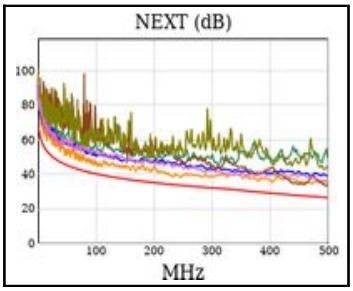
Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	336
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	14.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

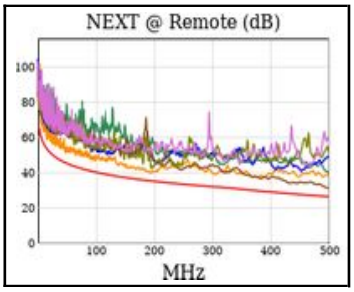


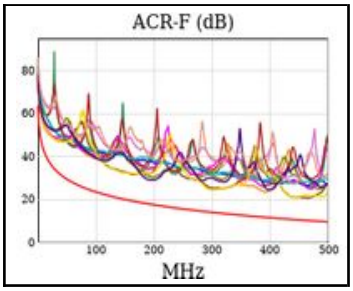
PASS

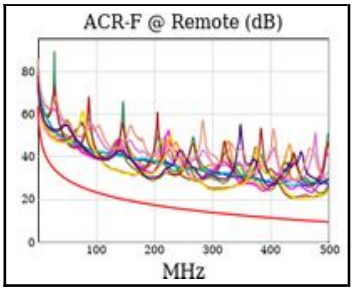


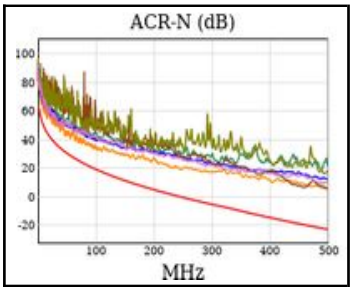


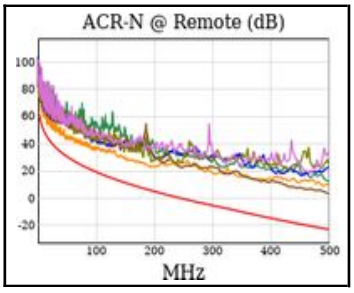


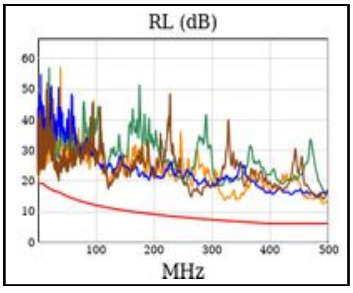


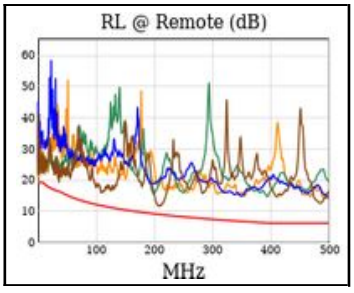












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.4	4.1	6.7	4.6
Freq. (MHz)	247.5	194.0	497.0	500.0
Limit (dB)	33.2	35.0	26.2	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.0	5.3	7.2	6.9
Freq. (MHz)	110.5	195.5	500.0	500.0
Limit (dB)	36.3	32.0	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.9	10.5	10.1
Freq. (MHz)	441.0	447.0	467.0	454.0
Limit (dB)	10.4	10.3	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	12.6	11.4
Freq. (MHz)	5.1	5.1	487.0	475.0
Limit (dB)	46.1	46.1	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.2	8.5	28.5	26.1
Freq. (MHz)	16.1	16.1	500.0	500.0
Limit (dB)	45.0	45.0	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.4	27.8	27.5
Freq. (MHz)	11.3	16.1	500.0	500.0
Limit (dB)	46.3	42.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	3.6	2.6	6.4	2.6
Freq. (MHz)	37.0	208.0	493.0	208.0
Limit (dB)	16.2	8.8	6.0	8.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 147-A

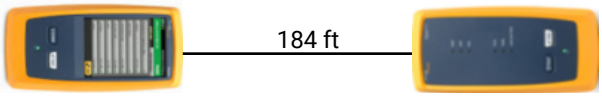
Test Summary: PASS

Date / Time: 12/03/2022 05:32:40 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

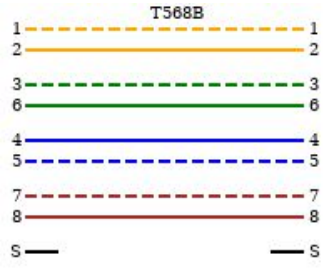
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

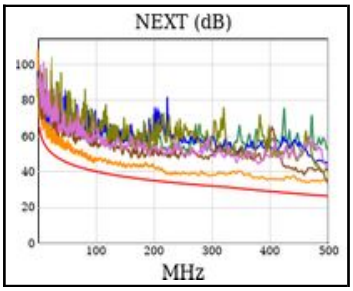
Length (ft), Limit 328	[Pair 1,2]	184
Prop. Delay (ns), Limit 555	[Pair 4,5]	290
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

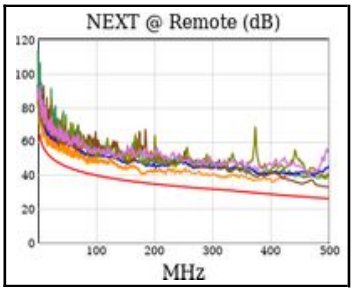


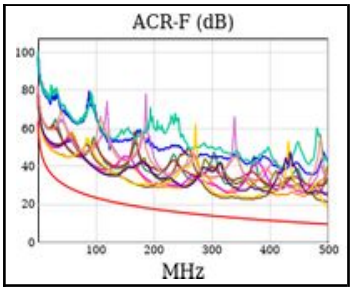
PASS

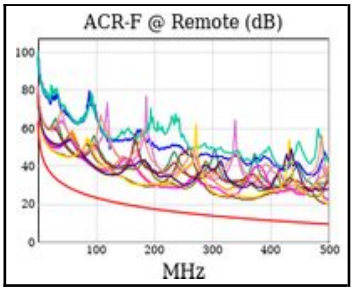


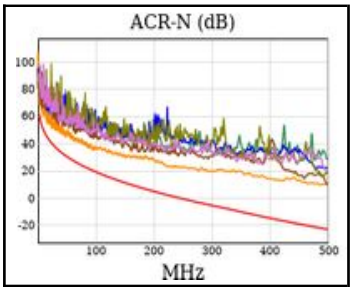


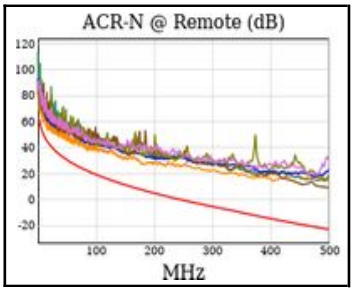


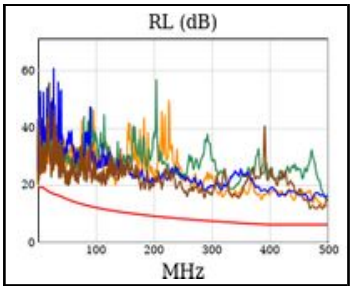


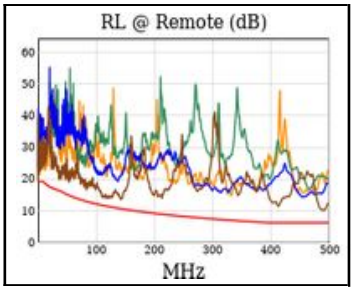












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	4.5	6.6	6.5
Freq. (MHz)	230.5	16.9	465.0	500.0
Limit (dB)	33.7	52.8	27.0	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.9	6.2	7.7	7.8
Freq. (MHz)	230.5	17.0	500.0	500.0
Limit (dB)	30.8	50.2	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.9	9.3	10.2
Freq. (MHz)	500.0	355.0	500.0	500.0
Limit (dB)	9.3	12.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	10.6	11.4	11.4
Freq. (MHz)	11.8	343.0	500.0	500.0
Limit (dB)	38.9	9.6	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	7.5	31.4	31.6
Freq. (MHz)	3.6	3.6	486.0	500.0
Limit (dB)	59.8	59.8	-22.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.0	31.9	32.0
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	57.3	57.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.9	2.3	5.5	3.9
Freq. (MHz)	53.8	118.5	491.0	492.0
Limit (dB)	14.7	11.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 145-1-B

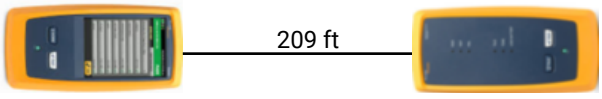
Test Summary: PASS

Date / Time: 11/23/2022 06:30:03 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

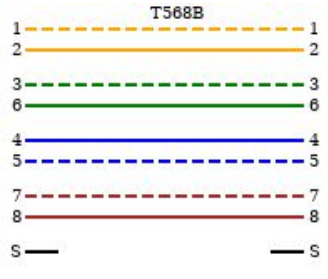
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

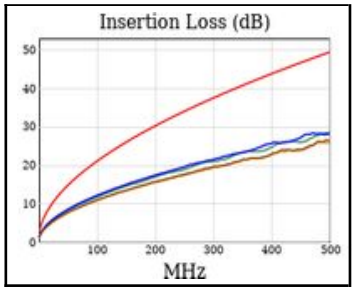
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

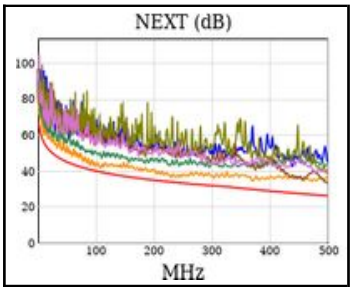
Length (ft), Limit 328	[Pair 1,2]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	331
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

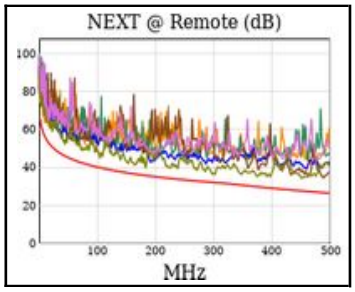


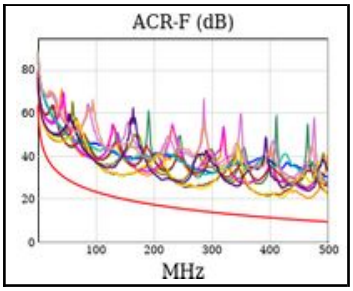
PASS

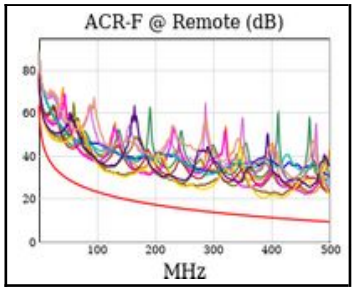


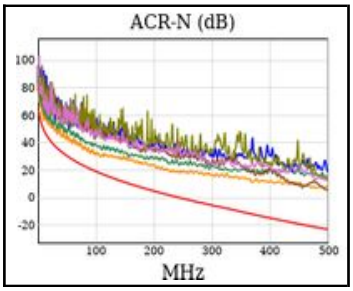


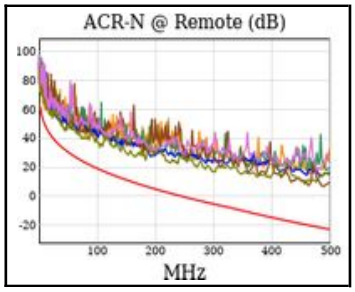


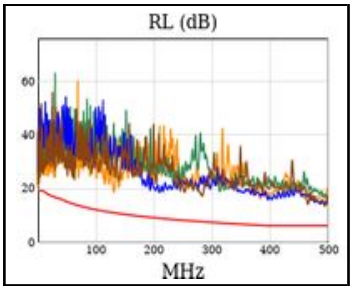


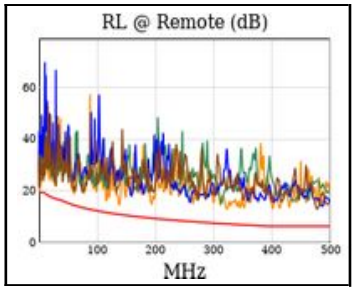












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	2.2	4.1	7.0	6.5
Freq. (MHz)	90.8	303.0	500.0	452.0
Limit (dB)	40.6	31.7	26.1	27.3
Worst Pair	1,2	7,8	3,6	3,6
PS NEXT (dB)	4.2	6.3	7.5	7.8
Freq. (MHz)	90.8	299.0	500.0	463.0
Limit (dB)	37.8	28.8	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.8	8.8	10.4	8.8
Freq. (MHz)	421.0	387.0	466.0	387.0
Limit (dB)	10.8	11.5	9.9	11.5
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.4	10.7	10.4	12.4
Freq. (MHz)	426.0	384.0	426.0	500.0
Limit (dB)	7.7	8.6	7.7	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.0	10.6	28.2	28.6
Freq. (MHz)	11.0	3.0	500.0	490.0
Limit (dB)	49.1	61.4	-23.2	-22.4
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	9.1	9.8	28.4	30.1
Freq. (MHz)	10.8	3.0	500.0	489.0
Limit (dB)	46.8	58.4	-26.1	-25.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.9	3.6	7.2	6.5
Freq. (MHz)	9.0	139.5	496.0	479.0
Limit (dB)	19.0	10.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 145-2-A

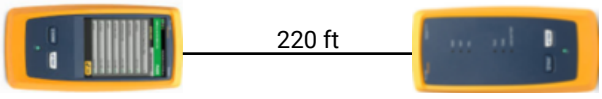
Test Summary: PASS

Date / Time: 11/23/2022 06:54:23 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

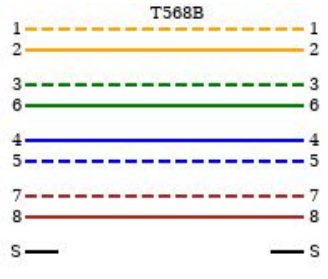
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	220
Prop. Delay (ns), Limit 555	[Pair 4,5]	347
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	19.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

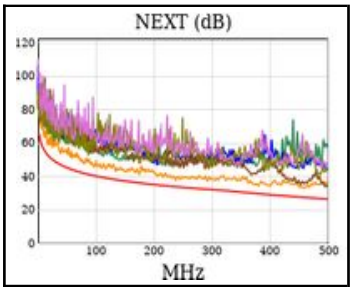


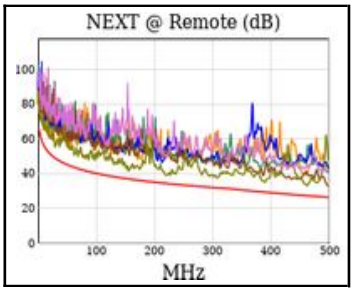
PASS



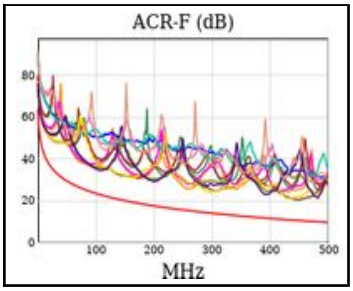


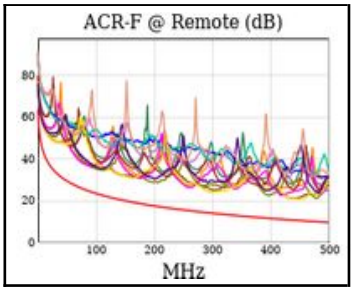
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	4.5	5.6	6.6
Freq. (MHz)	238.5	157.0	458.0	499.0
Limit (dB)	33.5	36.6	27.1	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.3	7.0	7.2	7.1
Freq. (MHz)	238.5	221.0	500.0	463.0
Limit (dB)	30.5	31.1	23.2	24.1



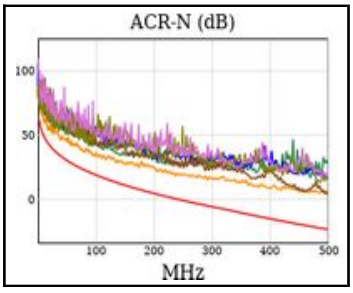


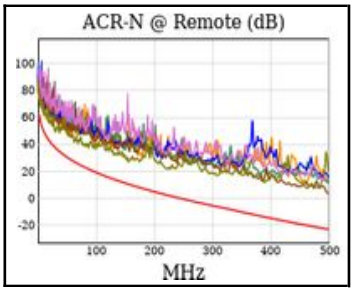
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.9	9.7	10.2
Freq. (MHz)	446.0	297.0	452.0	448.0
Limit (dB)	10.3	13.8	10.2	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.8	11.8	11.4
Freq. (MHz)	293.0	419.0	483.0	479.0
Limit (dB)	10.9	7.8	6.6	6.7



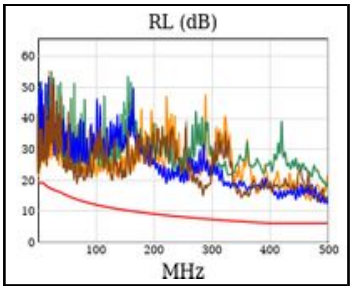


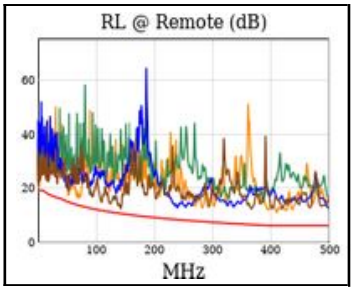
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	11.0	26.7	26.6
Freq. (MHz)	17.1	5.0	500.0	499.0
Limit (dB)	44.3	56.9	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	11.1	26.7	28.4
Freq. (MHz)	4.5	4.5	500.0	499.0
Limit (dB)	55.3	55.3	-26.1	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	5.0	1.9	6.2	4.8
Freq. (MHz)	68.3	143.5	500.0	411.0
Limit (dB)	13.7	10.4	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 145-2-B

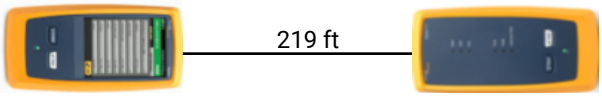
Test Summary: PASS

Date / Time: 11/23/2022 06:58:43 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

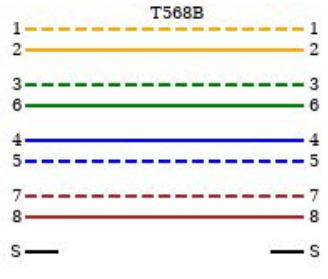
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

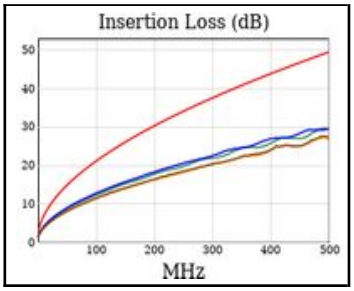
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

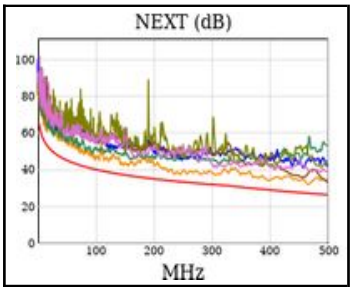
Length (ft), Limit 328	[Pair 1,2]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	347
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	19.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

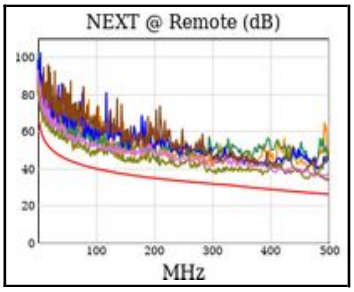


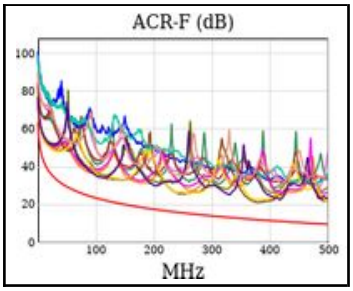
PASS

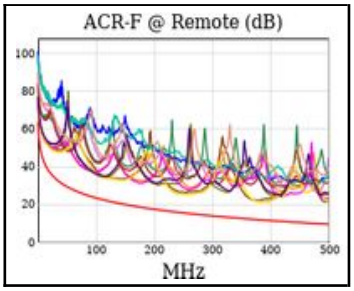


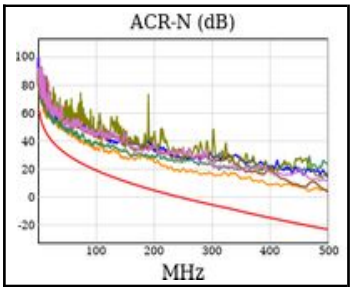


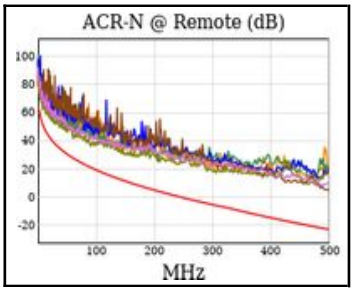


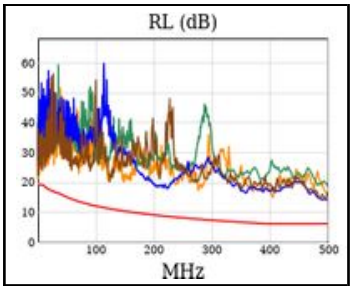


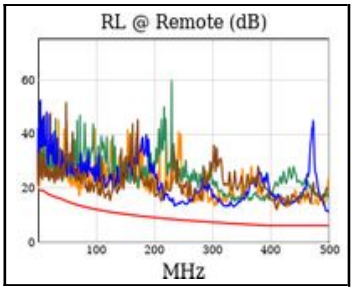












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	5.4	5.0	7.4
Freq. (MHz)	246.5	307.0	467.0	500.0
Limit (dB)	33.2	31.6	26.9	26.1
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	5.7	6.8	7.3	8.4
Freq. (MHz)	246.5	302.0	500.0	500.0
Limit (dB)	30.3	28.7	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.1	9.4	9.2	9.5
Freq. (MHz)	380.0	387.0	383.0	396.0
Limit (dB)	11.7	11.5	11.6	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.3	11.3	11.7
Freq. (MHz)	6.5	5.0	500.0	500.0
Limit (dB)	44.0	46.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	10.6	10.2	26.6	27.3
Freq. (MHz)	10.4	9.0	500.0	500.0
Limit (dB)	49.7	51.2	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.3	10.9	27.1	28.3
Freq. (MHz)	4.4	4.1	500.0	500.0
Limit (dB)	55.6	56.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	4,5
RL (dB)	4.8	3.4	7.9	4.9
Freq. (MHz)	8.5	71.8	499.0	500.0
Limit (dB)	19.0	13.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 147-A

Test Summary: PASS

Date / Time: 12/10/2022 12:53:02 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	185
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.6	4.5	6.8	6.0
Freq. (MHz)	24.5	13.0	500.0	396.0
Limit (dB)	50.2	54.7	26.1	28.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.0	5.5	9.4	8.1
Freq. (MHz)	24.4	147.5	500.0	458.0
Limit (dB)	47.5	34.2	23.2	24.2

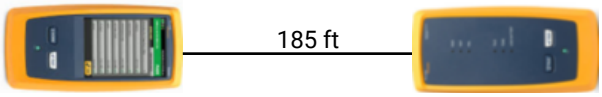
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	9.8	10.9	10.3
Freq. (MHz)	168.0	168.0	500.0	492.0
Limit (dB)	18.8	18.8	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.8	12.2	10.8
Freq. (MHz)	254.0	493.0	499.0	493.0
Limit (dB)	12.2	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.4	8.3	32.0	35.2
Freq. (MHz)	3.5	13.0	500.0	497.0
Limit (dB)	60.1	47.3	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	7.7	33.5	33.9
Freq. (MHz)	3.5	3.4	493.0	497.0
Limit (dB)	57.6	57.9	-25.5	-25.8

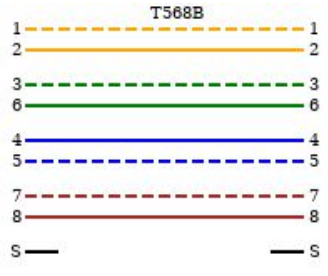
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.3	4.4	7.5	6.8
Freq. (MHz)	11.8	15.6	479.0	472.0
Limit (dB)	18.6	18.0	6.0	6.0

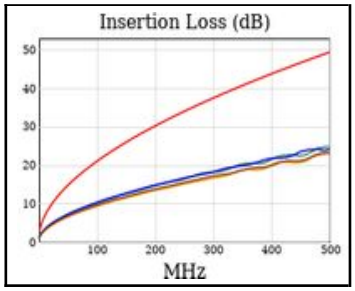
Compliant Network Standards:

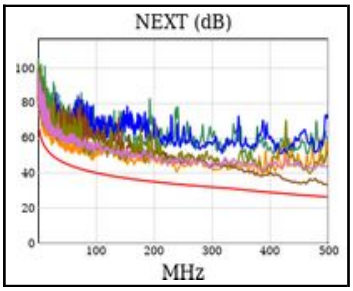
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

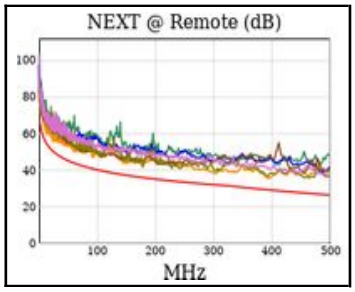


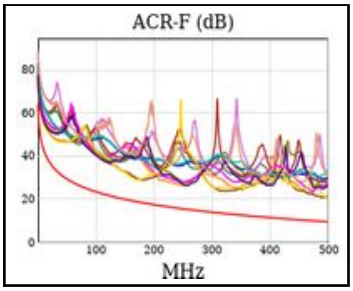
PASS

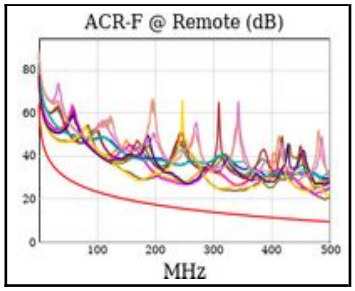


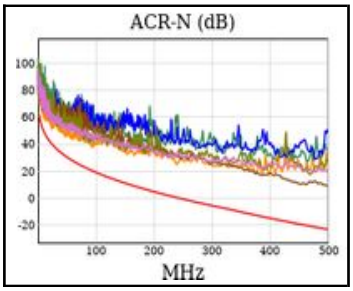


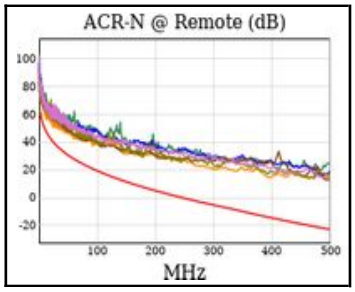


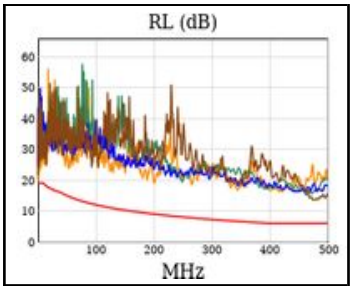


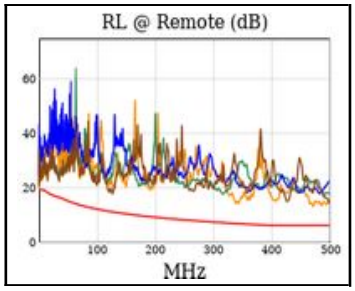












FLUKE networks

LinkWare Live

Cable ID: 145-A

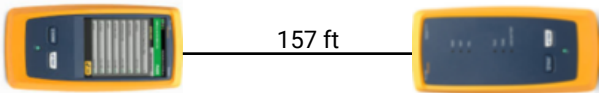
Test Summary: PASS

Date / Time: 12/17/2022 02:14:49 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

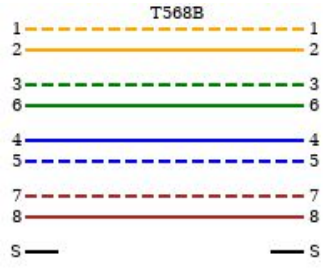
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	250
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.6
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

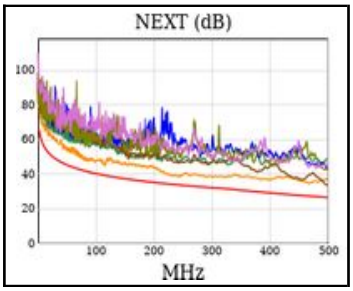


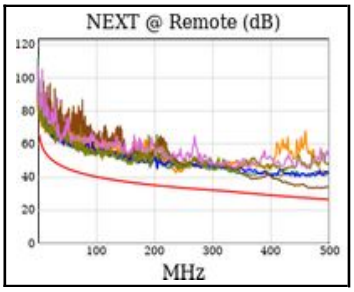
PASS



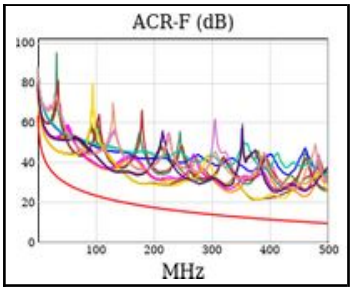


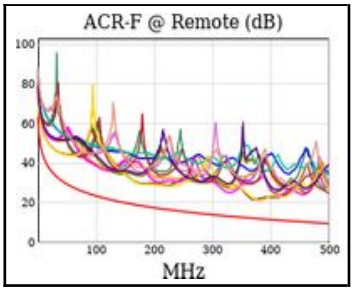
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.7	6.1	7.0	6.4
Freq. (MHz)	232.0	473.0	500.0	484.0
Limit (dB)	33.7	26.8	26.1	26.5
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	6.9	8.3	7.9	8.6
Freq. (MHz)	243.0	465.0	499.0	484.0
Limit (dB)	30.4	24.1	23.3	23.6



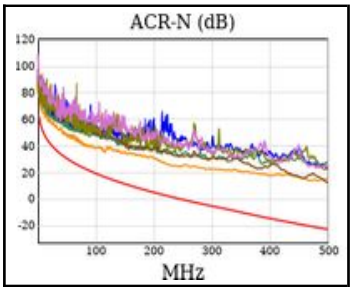


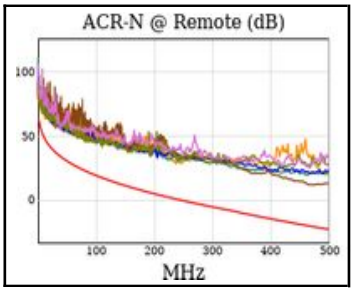
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.1	9.5	9.1
Freq. (MHz)	376.0	384.0	378.0	384.0
Limit (dB)	11.8	11.6	11.7	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	10.9	11.7	11.0
Freq. (MHz)	2.6	412.0	421.0	415.0
Limit (dB)	51.9	8.0	7.8	7.9



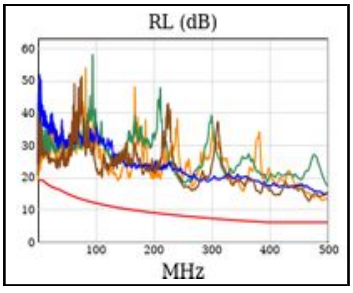


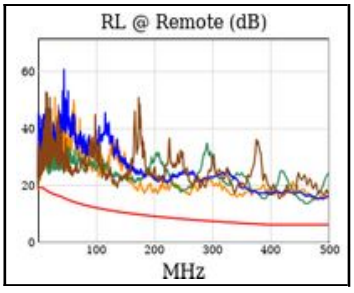
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	12.5	13.4	35.2	32.5
Freq. (MHz)	6.6	4.4	500.0	473.0
Limit (dB)	54.2	58.1	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.8	13.3	35.4	35.9
Freq. (MHz)	4.4	4.0	499.0	487.0
Limit (dB)	55.6	56.4	-26.0	-25.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	3,6
RL (dB)	6.2	6.2	6.6	7.4
Freq. (MHz)	34.5	19.3	491.0	462.0
Limit (dB)	16.3	17.6	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 145-B

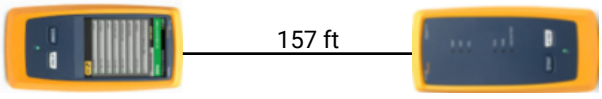
Test Summary: PASS

Date / Time: 12/17/2022 02:27:26 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

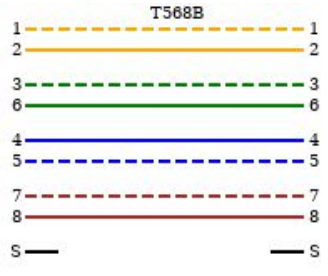
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

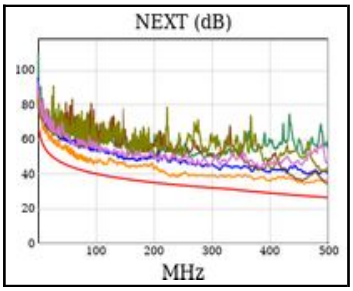
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	13.7
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

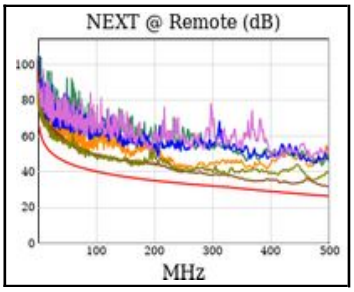


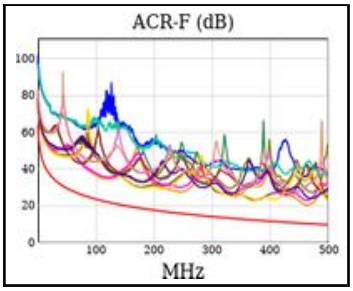
PASS

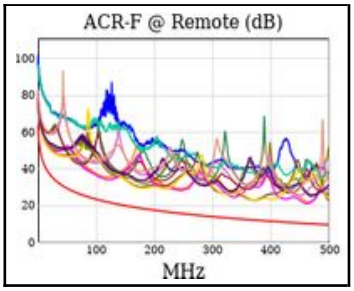


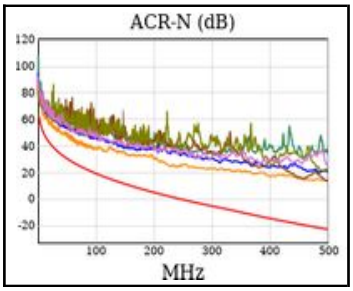


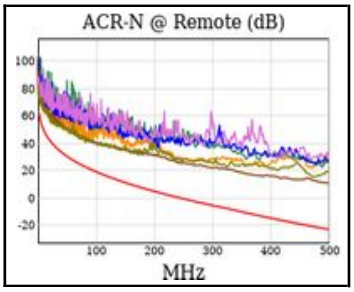


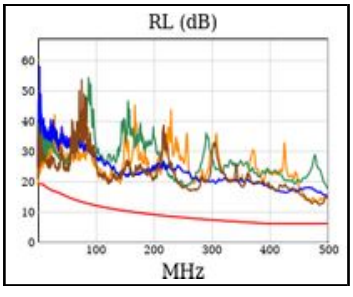


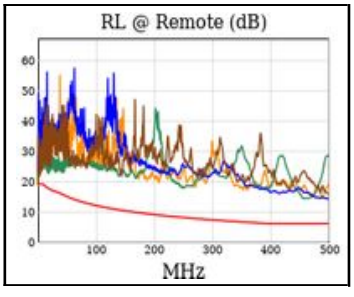












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	4.6	6.9	5.3
Freq. (MHz)	239.5	372.0	460.0	500.0
Limit (dB)	33.4	29.6	27.1	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.8	5.5	8.4	7.4
Freq. (MHz)	230.5	267.0	500.0	500.0
Limit (dB)	30.8	29.7	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.0	10.6	10.0	10.9
Freq. (MHz)	467.0	375.0	467.0	465.0
Limit (dB)	9.9	11.8	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	11.5	12.7
Freq. (MHz)	335.0	335.0	469.0	464.0
Limit (dB)	9.8	9.8	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.8	10.5	36.1	33.5
Freq. (MHz)	9.1	4.0	500.0	500.0
Limit (dB)	51.0	58.9	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	9.7	35.6	34.6
Freq. (MHz)	4.3	4.0	500.0	500.0
Limit (dB)	55.8	56.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	3,6
RL (dB)	6.1	4.8	6.1	8.2
Freq. (MHz)	487.0	19.3	487.0	459.0
Limit (dB)	6.0	17.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 146-1-A

Test Summary: PASS

Date / Time: 11/27/2022 06:12:38 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	153
Prop. Delay (ns), Limit 555	[Pair 4,5]	242
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.9	3.0	7.7	5.5
Freq. (MHz)	13.6	94.3	457.0	494.0
Limit (dB)	54.4	40.4	27.2	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.4	5.2	8.0	7.3
Freq. (MHz)	13.6	173.0	457.0	492.0
Limit (dB)	51.8	32.9	24.3	23.4

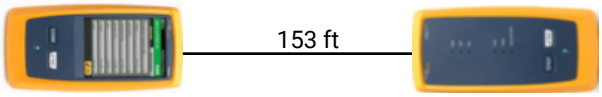
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.0	9.8	9.0	10.4
Freq. (MHz)	436.0	436.0	436.0	464.0
Limit (dB)	10.5	10.5	10.5	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.7	10.1	10.8
Freq. (MHz)	472.0	465.0	472.0	469.0
Limit (dB)	6.8	6.9	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.0	7.8	36.8	33.8
Freq. (MHz)	4.4	13.5	464.0	494.0
Limit (dB)	58.1	46.9	-20.4	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.5	9.5	35.1	34.6
Freq. (MHz)	4.3	6.6	457.0	494.0
Limit (dB)	55.8	51.7	-22.7	-25.6

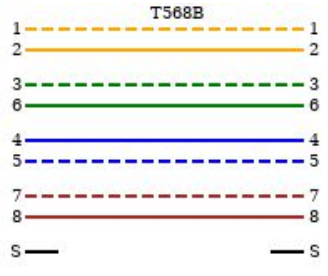
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.8	3.3	6.9	6.5
Freq. (MHz)	24.8	24.8	495.0	483.0
Limit (dB)	17.0	17.0	6.0	6.0

Compliant Network Standards:

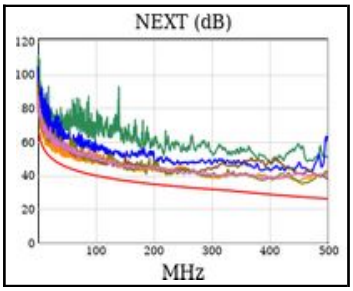
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

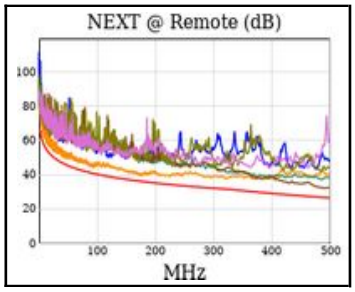


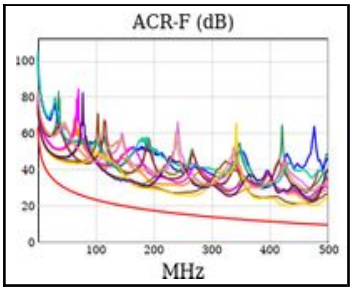
PASS

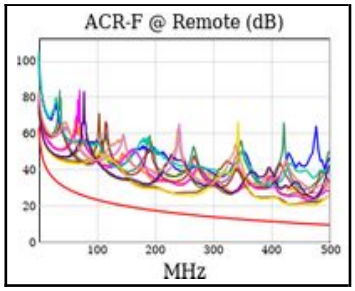


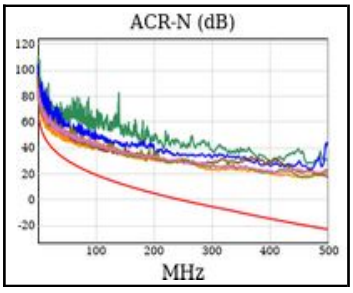


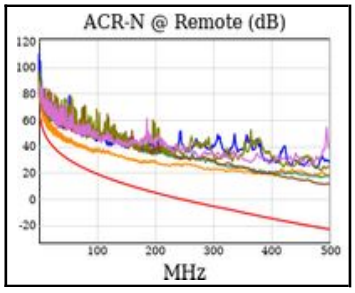


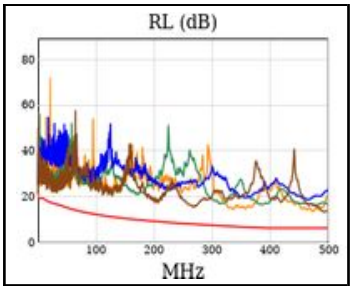


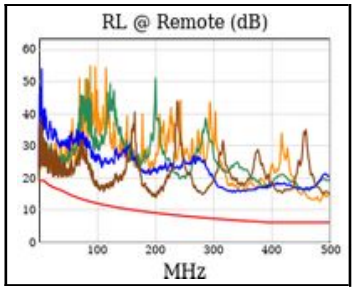












FLUKE networks

LinkWare Live

Cable ID: 146-1-B

Test Summary: PASS

Date / Time: 11/27/2022 06:13:18 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	153
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	18.6
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	2.8	3.6	8.1	6.6
Freq. (MHz)	25.3	189.5	480.0	500.0
Limit (dB)	50.0	35.2	26.6	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	3.7	5.4	9.5	7.4
Freq. (MHz)	82.8	7.0	500.0	500.0
Limit (dB)	38.5	56.6	23.2	23.2

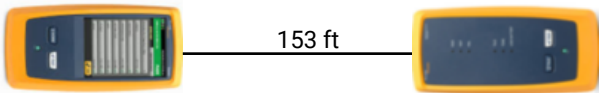
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.3	10.4	11.0
Freq. (MHz)	371.0	376.0	412.0	411.0
Limit (dB)	11.9	11.8	11.0	11.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.0	11.7	12.5	12.6
Freq. (MHz)	8.1	2.6	476.0	410.0
Limit (dB)	42.1	51.9	6.7	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	6.0	6.4	36.8	35.1
Freq. (MHz)	6.8	7.0	483.0	500.0
Limit (dB)	54.0	53.7	-21.9	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	7.8	37.8	34.7
Freq. (MHz)	6.6	4.5	500.0	500.0
Limit (dB)	51.7	55.3	-26.1	-26.1

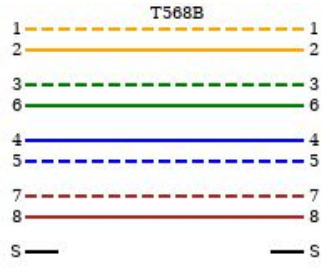
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	5.2	2.3	5.5	5.0
Freq. (MHz)	27.1	15.5	477.0	477.0
Limit (dB)	16.8	18.0	6.0	6.0

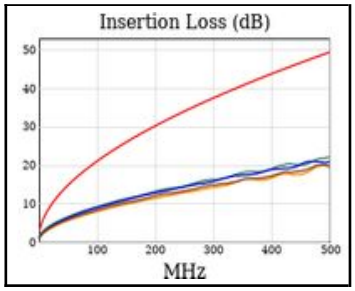
Compliant Network Standards:

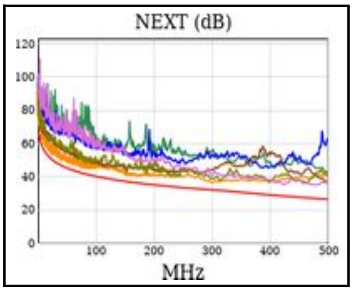
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

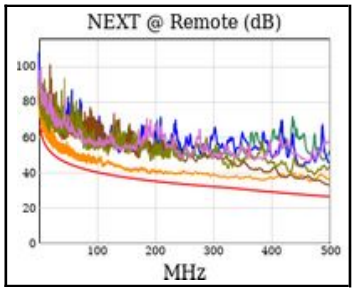


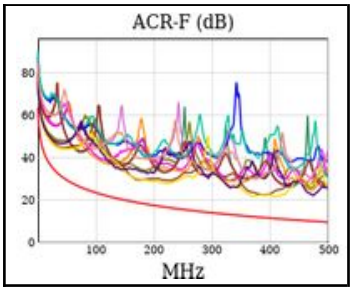
PASS

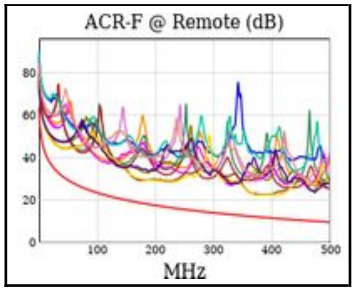


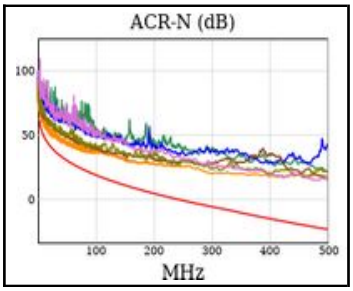


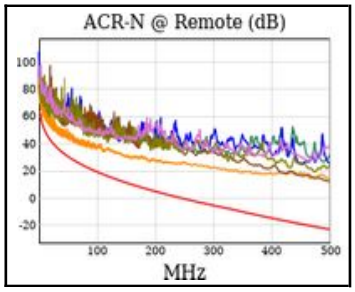


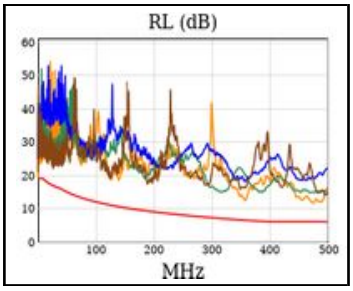


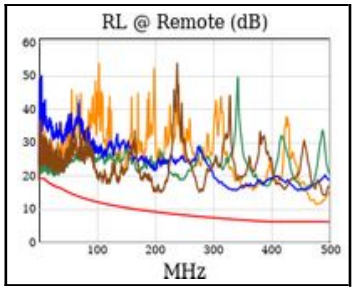












FLUKE networks

LinkWare Live

Cable ID: 146-2-A

Test Summary: PASS

Date / Time: 11/27/2022 06:10:09 PM
Headroom: 1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	1.2	1.0	6.3	4.3
Freq. (MHz)	66.0	161.0	397.0	498.0
Limit (dB)	43.0	36.4	28.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.0	3.3	6.5	6.3
Freq. (MHz)	57.3	25.6	394.0	498.0
Limit (dB)	41.2	47.2	26.0	23.3

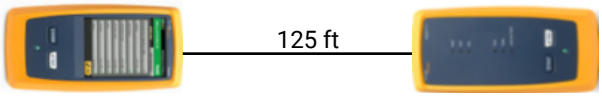
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.7	11.1	11.2	11.2
Freq. (MHz)	290.0	291.0	500.0	500.0
Limit (dB)	14.0	14.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.3	11.9	13.4
Freq. (MHz)	6.5	6.0	417.0	500.0
Limit (dB)	44.0	44.7	7.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	6.0	5.9	42.5	36.3
Freq. (MHz)	8.4	8.5	498.0	498.0
Limit (dB)	51.9	51.8	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	7.7	41.4	37.7
Freq. (MHz)	5.4	3.1	498.0	498.0
Limit (dB)	53.7	58.3	-25.9	-25.9

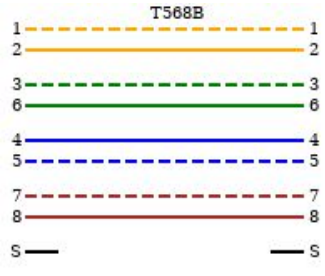
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.1	4.1	4.1	6.5
Freq. (MHz)	470.0	111.0	470.0	481.0
Limit (dB)	6.0	11.5	6.0	6.0

Compliant Network Standards:

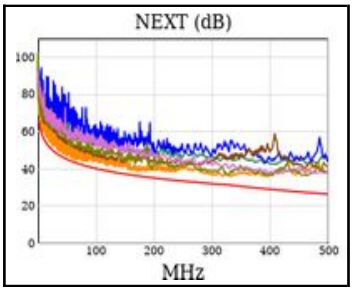
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

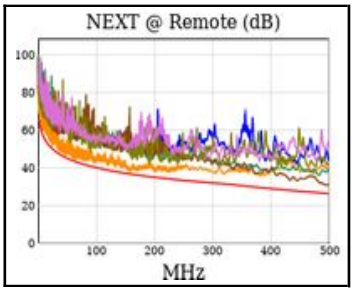


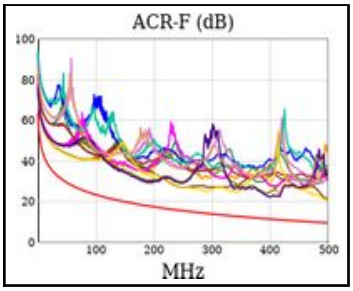
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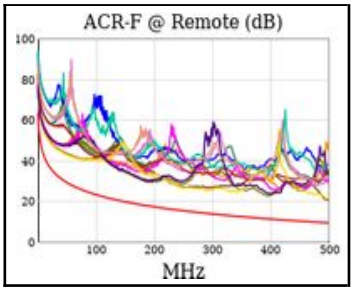


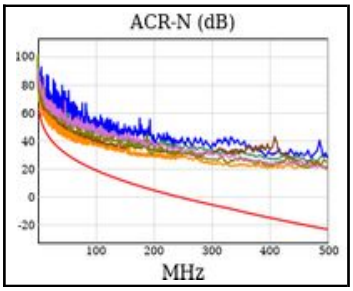


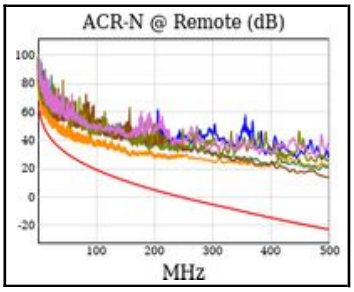


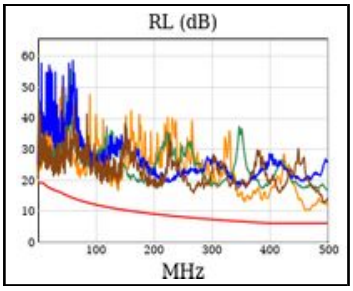


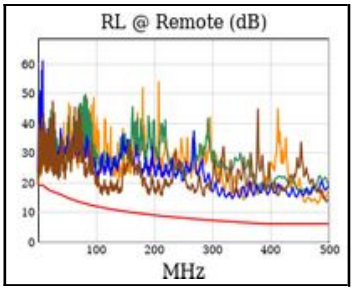












FLUKE networks

LinkWare Live

Cable ID: 146-2-B

Test Summary: PASS

Date / Time: 11/27/2022 06:11:28 PM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	14.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	5.0	1.8	5.6	7.0
Freq. (MHz)	333.0	85.5	459.0	486.0
Limit (dB)	30.9	41.1	27.1	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	3.8	6.4	7.9
Freq. (MHz)	87.8	165.5	456.0	486.0
Limit (dB)	38.1	33.3	24.3	23.6

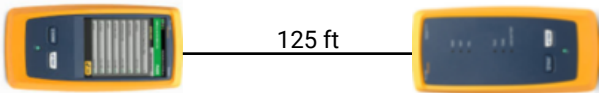
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	10.4	10.9	11.3
Freq. (MHz)	285.0	285.0	495.0	495.0
Limit (dB)	14.2	14.2	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.6	11.4	13.5
Freq. (MHz)	18.0	6.0	409.0	494.0
Limit (dB)	35.2	44.7	8.0	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	7.0	37.0	38.4
Freq. (MHz)	8.4	8.4	477.0	486.0
Limit (dB)	51.9	51.9	-21.4	-22.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.1	39.9	38.8
Freq. (MHz)	2.6	8.5	499.0	494.0
Limit (dB)	58.6	49.2	-26.0	-25.6

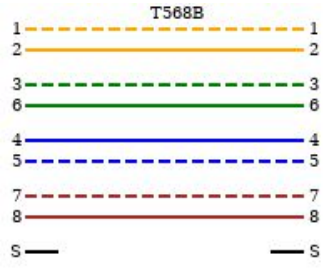
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	5.0	2.8	5.4	5.6
Freq. (MHz)	25.0	16.5	486.0	472.0
Limit (dB)	17.0	17.9	6.0	6.0

Compliant Network Standards:

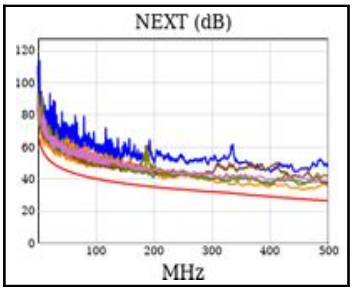
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

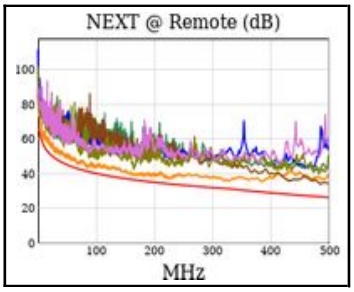


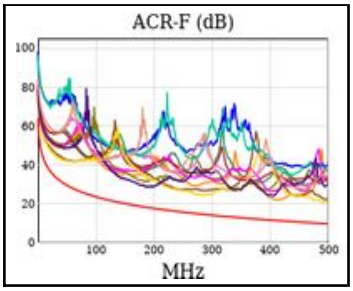
PASS

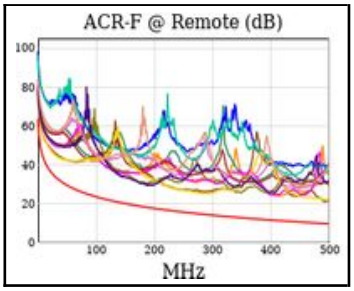


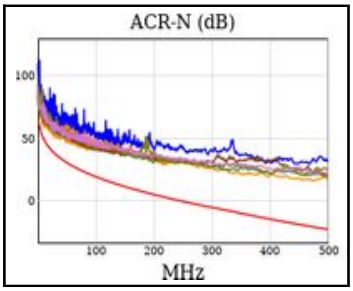


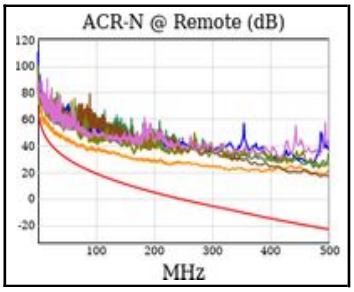


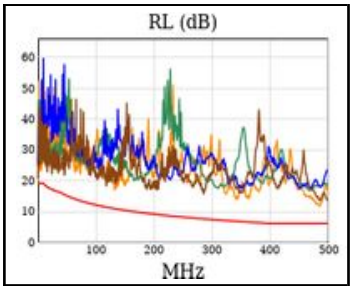


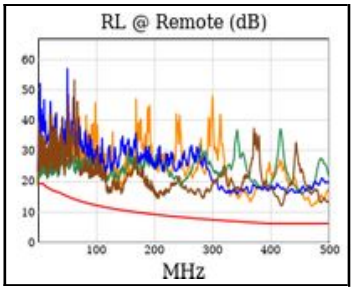












FLUKE networks

LinkWare Live

Cable ID: 147-A

Test Summary: PASS

Date / Time: 12/17/2022 11:24:15 AM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	140
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.5	7.1	7.4	9.3
Freq. (MHz)	223.5	93.0	461.0	461.0
Limit (dB)	34.0	40.5	27.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	8.0	7.9	10.6
Freq. (MHz)	221.0	93.3	456.0	466.0
Limit (dB)	31.1	37.6	24.3	24.0

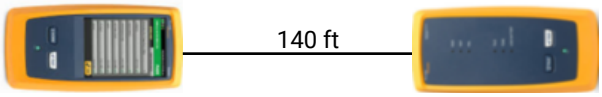
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	1,2-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.3	9.5	10.6	11.1
Freq. (MHz)	125.5	125.5	478.0	500.0
Limit (dB)	21.3	21.3	9.7	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	11.1	10.4	12.2
Freq. (MHz)	479.0	256.0	479.0	499.0
Limit (dB)	6.7	12.1	6.7	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.6	12.0	38.1	38.1
Freq. (MHz)	4.4	4.6	461.0	461.0
Limit (dB)	58.1	57.6	-20.1	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	11.3	37.7	40.7
Freq. (MHz)	4.6	4.8	461.0	476.0
Limit (dB)	55.1	54.8	-23.0	-24.2

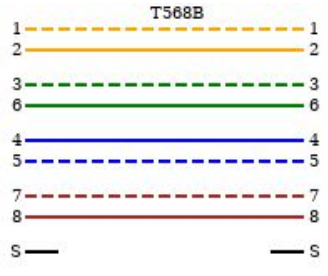
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.0	6.2	6.7	8.7
Freq. (MHz)	58.8	131.5	499.0	500.0
Limit (dB)	14.3	10.8	6.0	6.0

Compliant Network Standards:

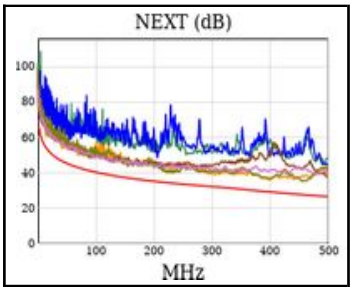
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

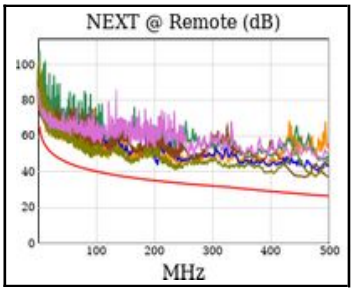


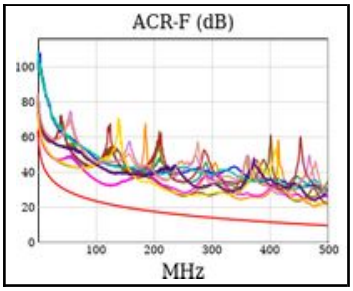
PASS

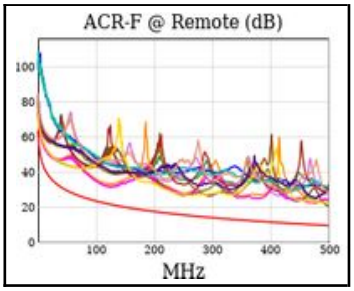


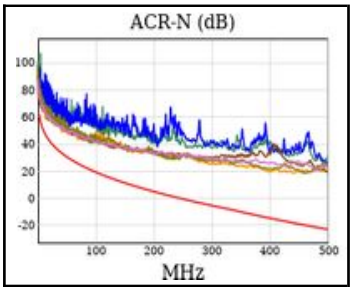


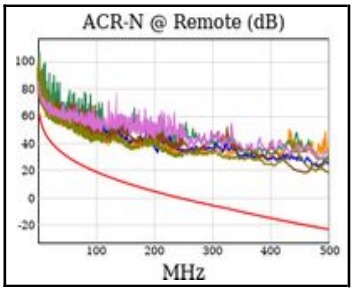


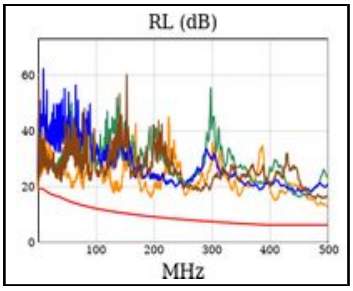


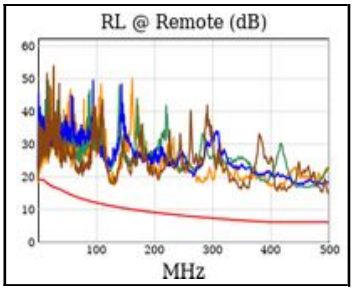












FLUKE networks

LinkWare Live

Cable ID: 147-B-2

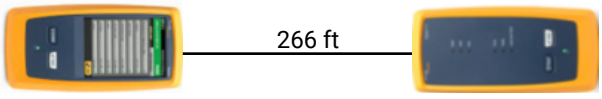
Test Summary: PASS

Date / Time: 11/27/2022 03:49:30 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

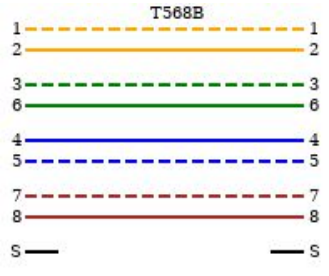
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

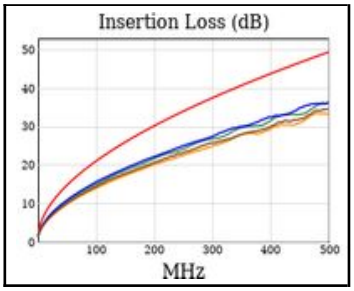
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	266
Prop. Delay (ns), Limit 555	[Pair 4,5]	421
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 3,6]	12.3
Insertion Loss Margin (dB)	[Pair 4,5]	13.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

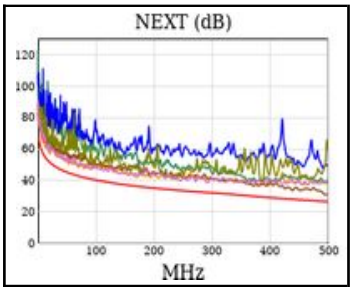


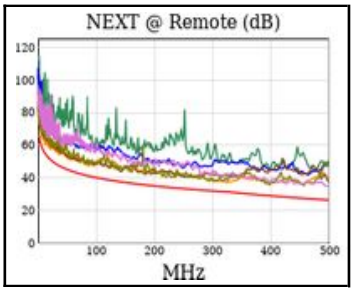
PASS



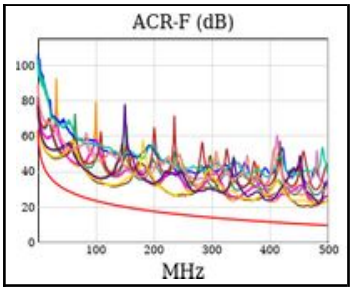


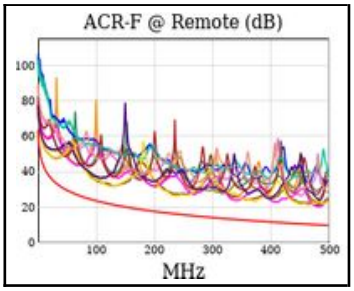
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
NEXT (dB)	4.4	4.9	4.5	8.4
Freq. (MHz)	497.0	12.8	498.0	497.0
Limit (dB)	26.2	54.8	26.1	26.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.7	5.3	6.1	8.0
Freq. (MHz)	21.8	308.0	498.0	458.0
Limit (dB)	48.4	28.6	23.3	24.2



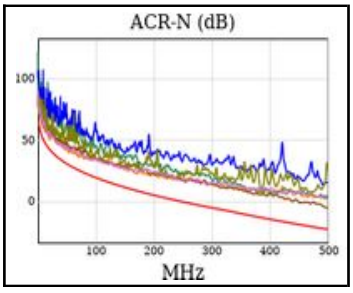


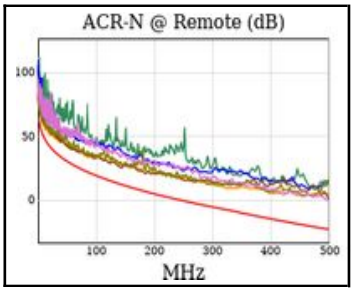
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-F (dB)	10.0	9.9	10.2	10.2
Freq. (MHz)	459.0	238.5	472.0	483.0
Limit (dB)	10.0	15.7	9.8	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	9.4	10.6	9.5
Freq. (MHz)	484.0	484.0	484.0	485.0
Limit (dB)	6.6	6.6	6.6	6.5



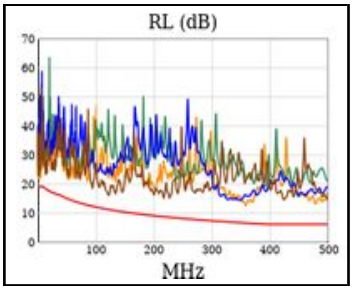


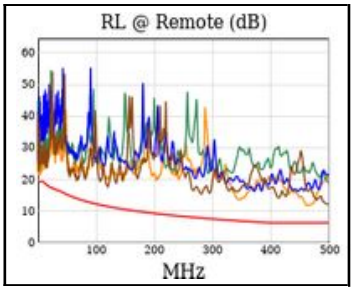
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	7.8	7.0	17.7	23.1
Freq. (MHz)	6.3	6.3	500.0	497.0
Limit (dB)	54.8	54.8	-23.2	-23.0
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.3	7.5	19.2	22.8
Freq. (MHz)	6.4	6.1	498.0	500.0
Limit (dB)	52.0	52.4	-25.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.2	2.3	6.0	5.5
Freq. (MHz)	5.6	5.6	359.0	463.0
Limit (dB)	19.0	19.0	6.4	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-A

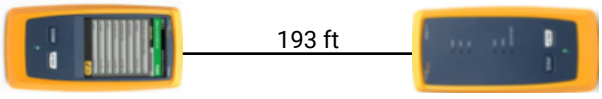
Test Summary: PASS

Date / Time: 11/27/2022 04:39:55 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

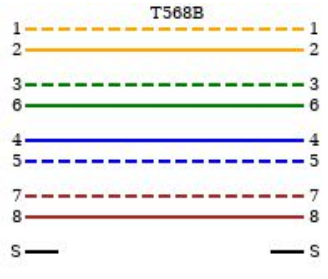
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

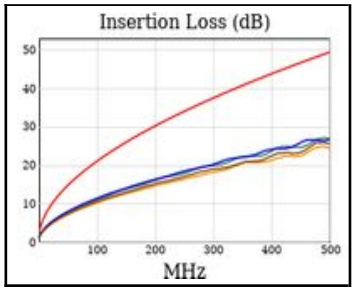
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

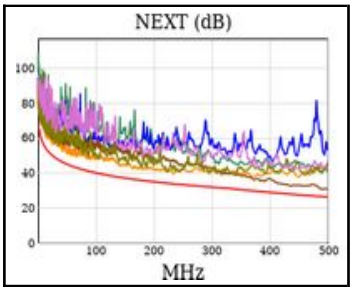
Length (ft), Limit 328	[Pair 1,2]	193
Prop. Delay (ns), Limit 555	[Pair 4,5]	305
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	22.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

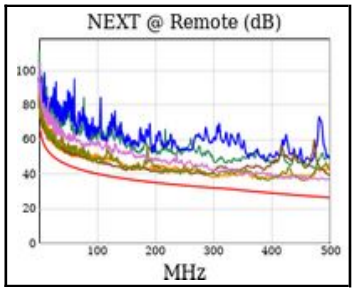


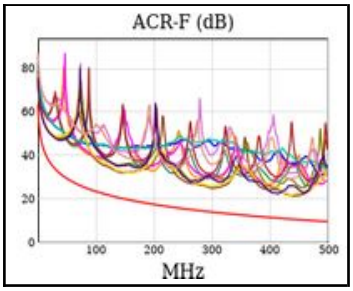
PASS

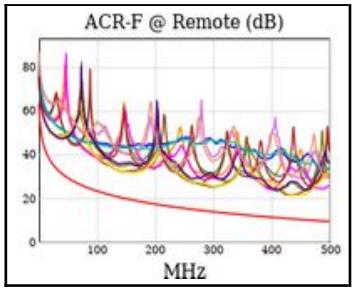


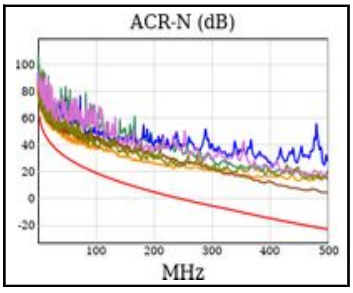


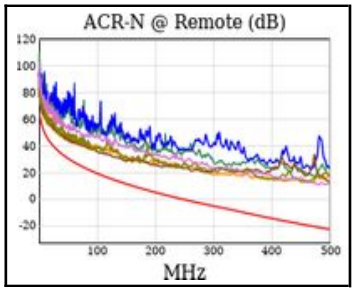


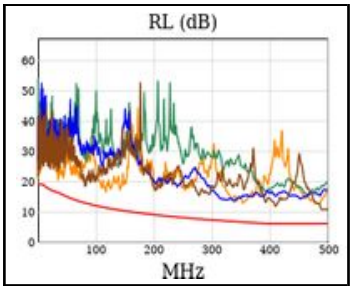


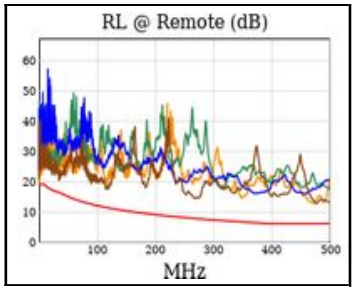












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.2	4.7	4.5	8.9
Freq. (MHz)	489.0	150.0	500.0	455.0
Limit (dB)	26.4	36.9	26.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.4	4.0	6.5	7.2
Freq. (MHz)	490.0	152.0	492.0	389.0
Limit (dB)	23.5	33.9	23.4	26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.7	10.8	10.8
Freq. (MHz)	441.0	436.0	447.0	440.0
Limit (dB)	10.4	10.5	10.3	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	10.9	12.5	11.3
Freq. (MHz)	5.8	282.0	460.0	409.0
Limit (dB)	45.1	11.3	7.0	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	9.2	8.9	27.2	32.3
Freq. (MHz)	5.3	5.3	500.0	481.0
Limit (dB)	56.4	56.4	-23.2	-21.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	8.6	28.4	34.2
Freq. (MHz)	3.6	3.4	492.0	499.0
Limit (dB)	57.3	57.9	-25.5	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.2	3.8	4.6	6.5
Freq. (MHz)	35.5	35.5	499.0	472.0
Limit (dB)	16.2	16.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-A-2

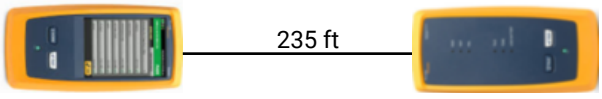
Test Summary: PASS

Date / Time: 11/27/2022 04:14:58 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

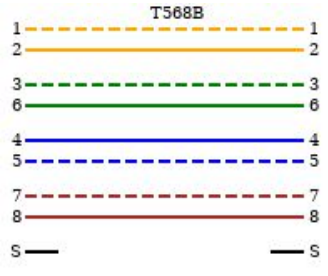
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

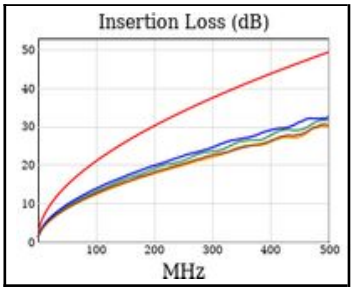
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

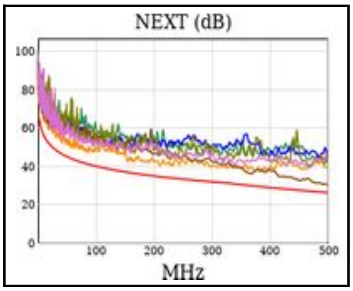
Length (ft), Limit 328	[Pair 1,2]	235
Prop. Delay (ns), Limit 555	[Pair 4,5]	371
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	10.8
Insertion Loss Margin (dB)	[Pair 4,5]	16.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

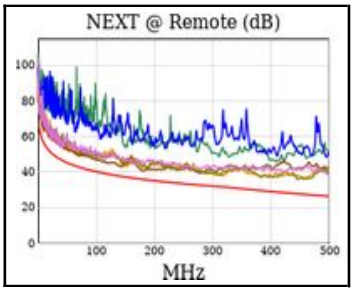


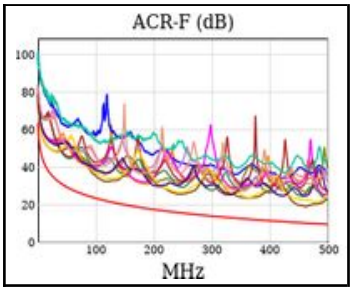
PASS

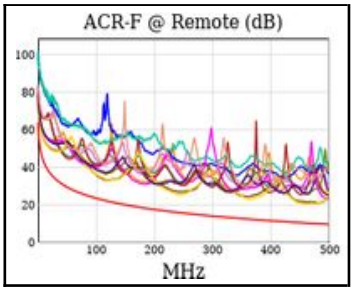


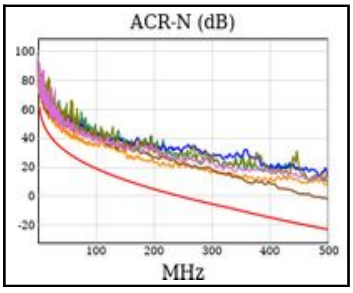


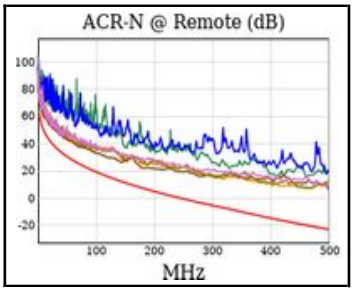


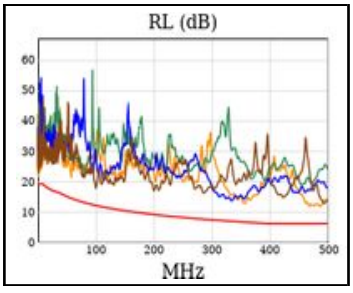


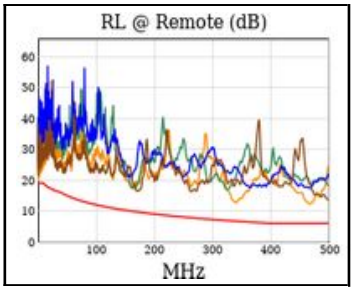












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.9	4.8	3.9	8.4
Freq. (MHz)	500.0	180.0	500.0	458.0
Limit (dB)	26.1	35.6	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	4.2	6.2	8.3
Freq. (MHz)	500.0	180.0	500.0	458.0
Limit (dB)	23.2	32.6	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.8	9.5	8.9	10.1
Freq. (MHz)	462.0	245.5	464.0	465.0
Limit (dB)	10.0	15.5	9.9	9.9
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	10.8	11.2	10.9	11.7
Freq. (MHz)	462.0	245.5	463.0	458.0
Limit (dB)	7.0	12.5	6.9	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.7	8.5	20.7	29.2
Freq. (MHz)	3.0	10.1	500.0	500.0
Limit (dB)	61.4	50.0	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.9	8.6	23.3	26.9
Freq. (MHz)	3.0	2.8	500.0	472.0
Limit (dB)	58.4	58.5	-26.1	-23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.2	3.7	5.6	6.2
Freq. (MHz)	6.5	6.5	470.0	468.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-1-A-2

Test Summary: PASS

Date / Time: 12/11/2022 01:38:50 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	167
Prop. Delay (ns), Limit 555	[Pair 4,5]	259
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	11.6
Insertion Loss Margin (dB)	[Pair 3,6]	26.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.7	2.1	6.7	5.2
Freq. (MHz)	500.0	109.5	500.0	469.0
Limit (dB)	26.1	39.3	26.1	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.9	4.4	8.8	7.7
Freq. (MHz)	16.5	223.5	500.0	491.0
Limit (dB)	50.4	31.0	23.2	23.4

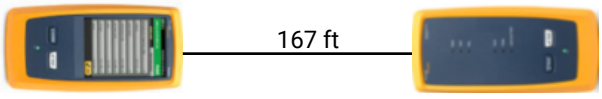
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	1,2-3,6
ACR-F (dB)	10.4	10.5	11.8	11.9
Freq. (MHz)	2.8	307.0	480.0	467.0
Limit (dB)	54.5	13.5	9.6	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.0	12.1	12.7
Freq. (MHz)	2.8	6.8	480.0	467.0
Limit (dB)	51.5	43.7	6.6	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.7	9.1	34.5	33.3
Freq. (MHz)	16.5	16.8	500.0	491.0
Limit (dB)	44.7	44.5	-23.2	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	10.7	35.6	34.0
Freq. (MHz)	3.8	3.9	499.0	491.0
Limit (dB)	57.0	56.7	-26.0	-25.4

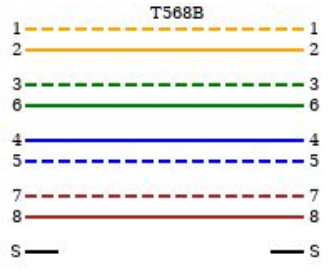
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.6	4.9	6.8	4.9
Freq. (MHz)	70.0	489.0	484.0	489.0
Limit (dB)	13.5	6.0	6.0	6.0

Compliant Network Standards:

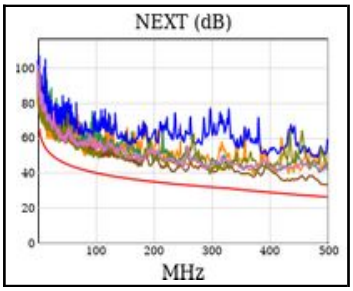
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

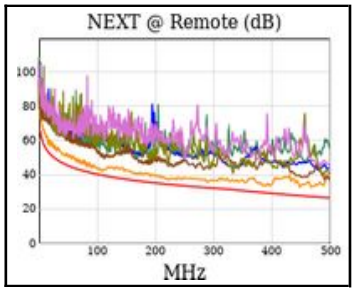


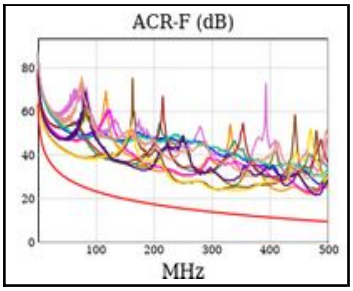
PASS

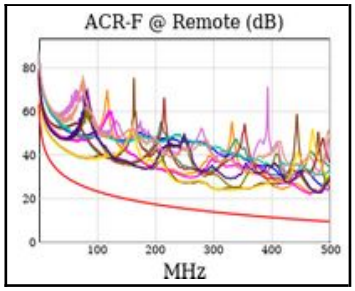


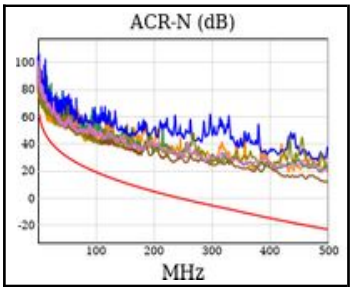


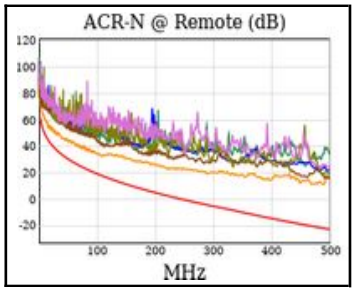


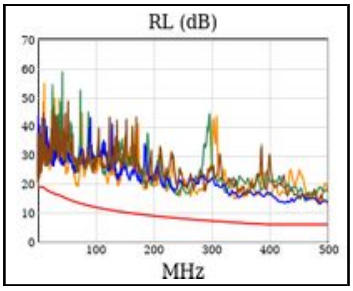


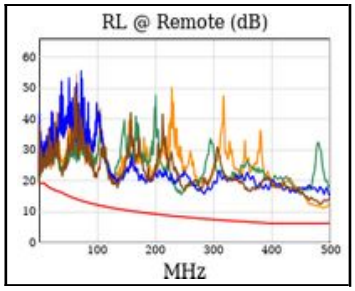












FLUKE networks

LinkWare Live

Cable ID: 149-1-B-2

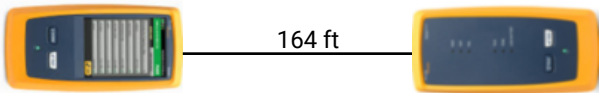
Test Summary: PASS

Date / Time: 12/11/2022 01:40:51 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

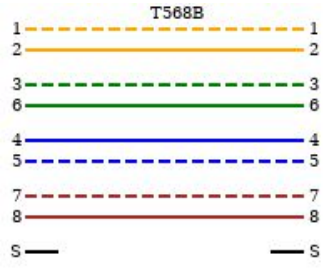
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	164
Prop. Delay (ns), Limit 555	[Pair 4,5]	255
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	17.3
Insertion Loss Margin (dB)	[Pair 3,6]	26.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

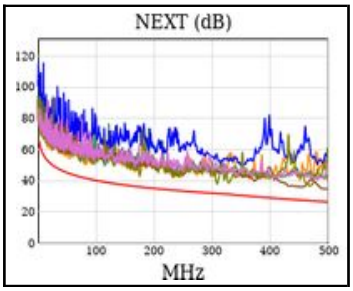


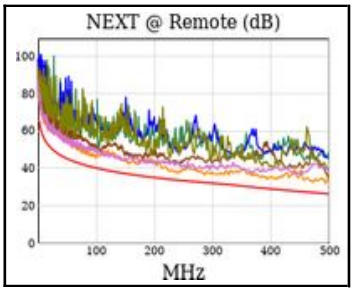
PASS



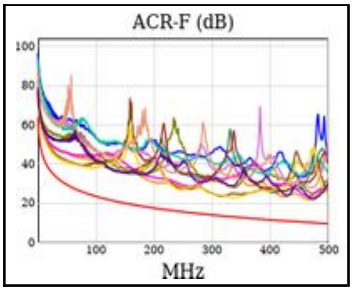


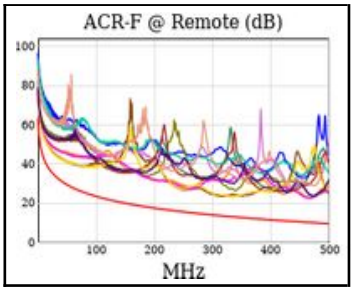
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.6	3.9	8.2	5.3
Freq. (MHz)	310.0	242.0	499.0	495.0
Limit (dB)	31.5	33.4	26.1	26.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.6	5.5	9.8	7.0
Freq. (MHz)	310.0	242.0	495.0	496.0
Limit (dB)	28.5	30.4	23.3	23.3



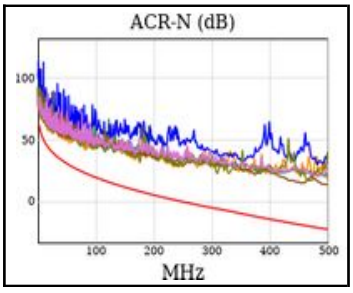


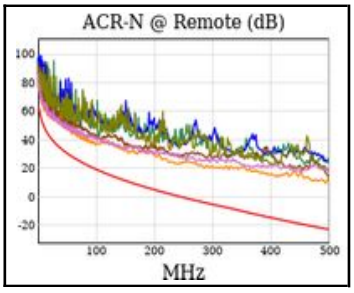
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	9.6	9.9	11.6	12.4
Freq. (MHz)	335.0	315.0	468.0	468.0
Limit (dB)	12.8	13.3	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	11.0	11.9	12.9
Freq. (MHz)	9.4	7.0	473.0	474.0
Limit (dB)	40.8	43.4	6.8	6.7



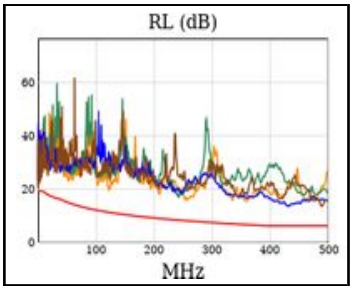


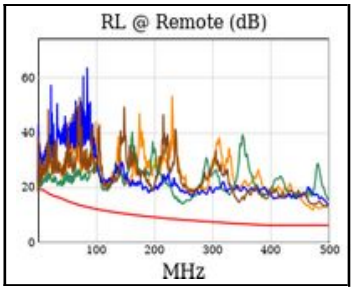
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.1	10.5	36.3	31.7
Freq. (MHz)	4.0	4.3	500.0	495.0
Limit (dB)	58.9	58.3	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	10.5	36.7	33.5
Freq. (MHz)	4.0	4.0	500.0	496.0
Limit (dB)	56.4	56.4	-26.1	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	4,5	1,2
RL (dB)	7.2	2.5	7.3	5.7
Freq. (MHz)	17.8	9.3	433.0	473.0
Limit (dB)	17.8	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-2-A-2

Test Summary: PASS

Date / Time: 12/11/2022 01:37:30 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	216
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	30.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.5	3.2	8.0	5.3
Freq. (MHz)	89.5	233.0	500.0	464.0
Limit (dB)	40.7	33.6	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.6	5.0	8.9	7.0
Freq. (MHz)	4.8	233.5	448.0	464.0
Limit (dB)	59.3	30.7	24.5	24.1

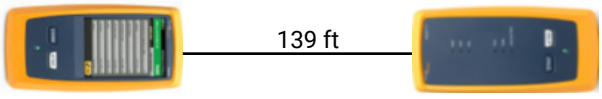
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.9	11.0	9.9
Freq. (MHz)	371.0	380.0	433.0	380.0
Limit (dB)	11.9	11.7	10.5	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	12.6	14.4
Freq. (MHz)	5.8	7.8	435.0	489.0
Limit (dB)	45.1	42.5	7.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	9.6	39.2	35.2
Freq. (MHz)	10.1	10.3	500.0	464.0
Limit (dB)	50.0	49.8	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	10.7	41.2	38.6
Freq. (MHz)	4.6	5.0	500.0	500.0
Limit (dB)	55.1	54.3	-26.1	-26.1

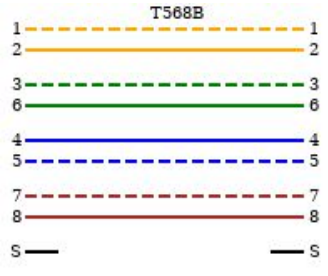
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	7.4	3.8	7.9	5.3
Freq. (MHz)	342.0	23.1	430.0	491.0
Limit (dB)	6.7	17.2	6.0	6.0

Compliant Network Standards:

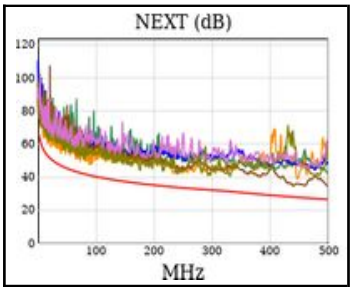
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

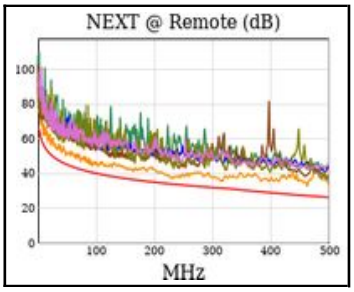


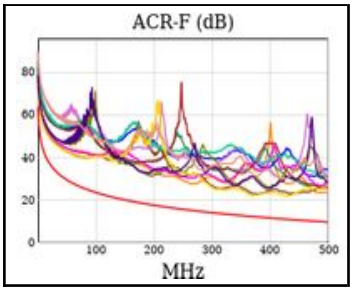
PASS

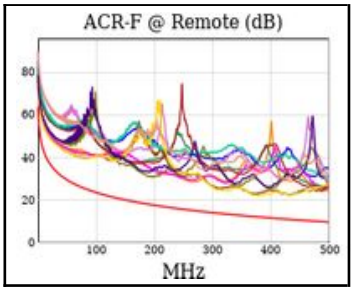


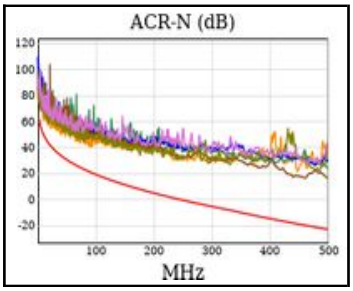


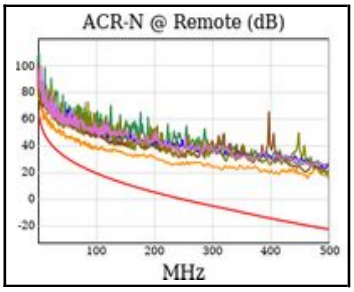


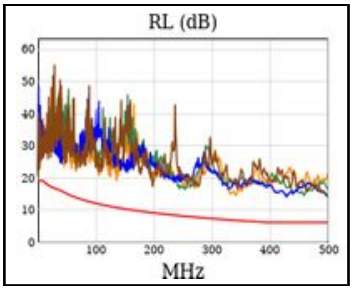


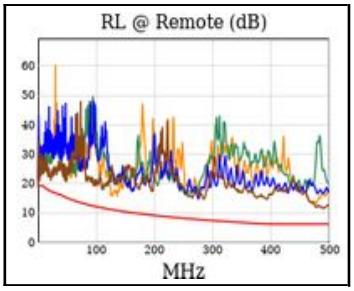












FLUKE networks

LinkWare Live

Cable ID: 149-2-B-2

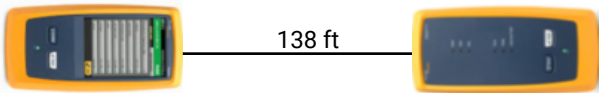
Test Summary: PASS

Date / Time: 12/11/2022 01:38:24 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

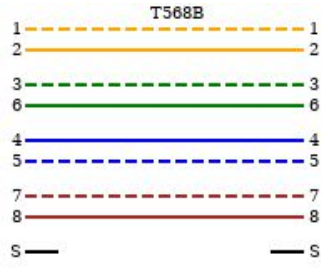
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	30.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

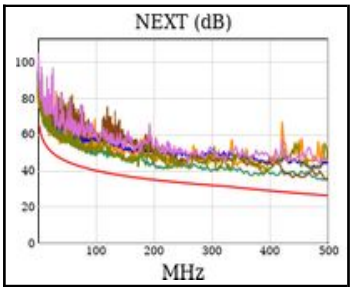


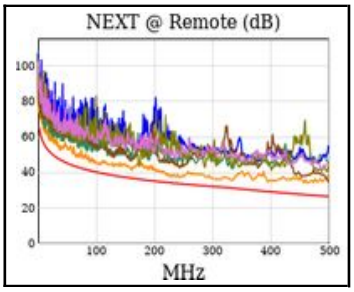
PASS



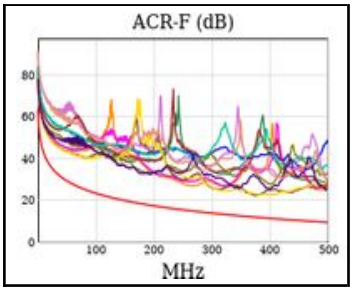


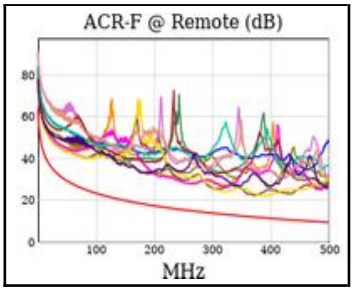
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.2	3.3	8.3	6.6
Freq. (MHz)	173.5	231.0	500.0	464.0
Limit (dB)	35.8	33.7	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.6	5.2	8.4	8.5
Freq. (MHz)	243.0	244.5	498.0	498.0
Limit (dB)	30.4	30.3	23.3	23.3



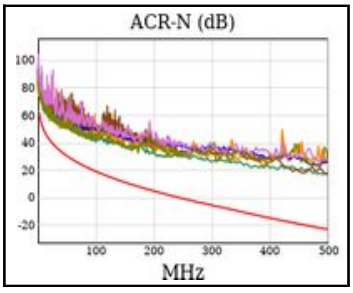


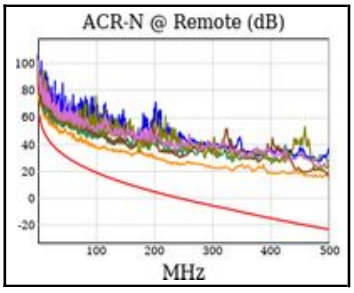
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.5	10.5	10.7
Freq. (MHz)	376.0	376.0	379.0	396.0
Limit (dB)	11.8	11.8	11.7	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.8	12.3	15.1
Freq. (MHz)	327.0	3.1	396.0	487.0
Limit (dB)	10.0	50.4	8.3	6.5



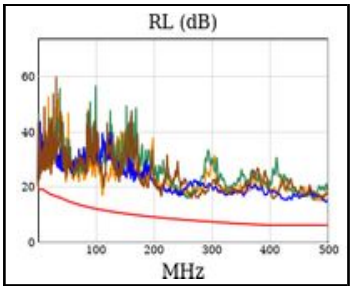


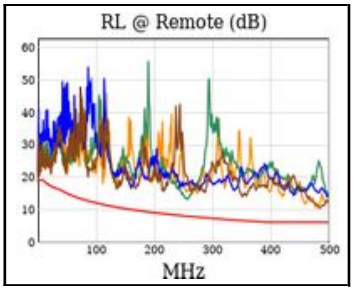
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.8	10.5	39.5	37.6
Freq. (MHz)	2.9	2.9	500.0	490.0
Limit (dB)	61.4	61.4	-23.2	-22.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	12.2	11.7	39.6	38.7
Freq. (MHz)	4.6	4.6	498.0	498.0
Limit (dB)	55.1	55.1	-25.9	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	5.2	3.7	8.4	4.3
Freq. (MHz)	112.0	23.3	498.0	486.0
Limit (dB)	11.5	17.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-3-A-2

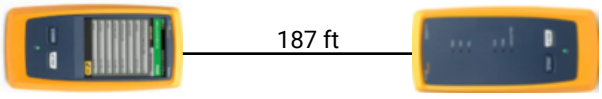
Test Summary: PASS

Date / Time: 12/11/2022 01:33:20 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

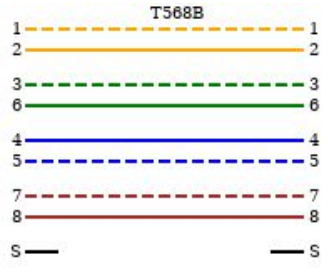
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

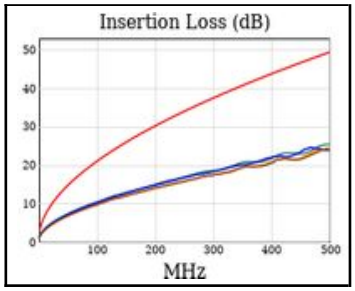
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

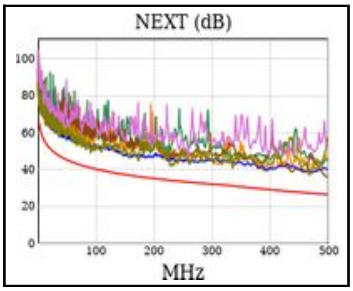
Length (ft), Limit 328	[Pair 7,8]	187
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

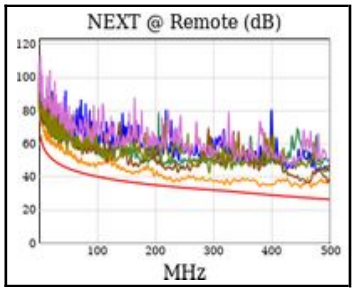


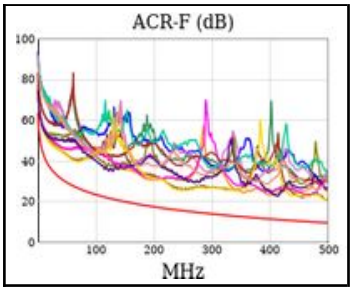
PASS

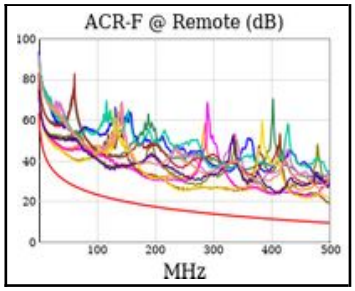


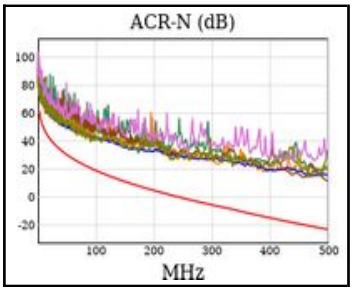


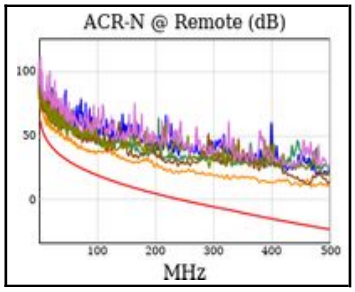


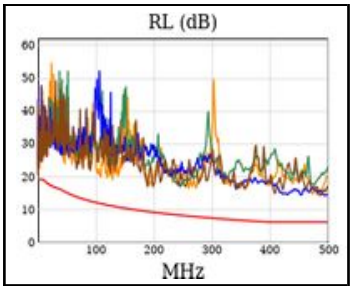


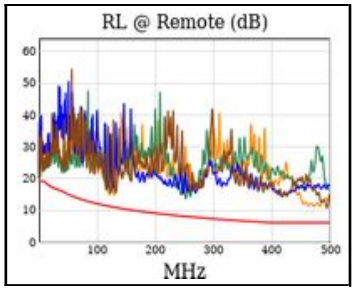












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.8	3.0	9.6	5.7
Freq. (MHz)	228.5	232.5	498.0	451.0
Limit (dB)	33.8	33.7	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.1	5.1	10.5	7.6
Freq. (MHz)	5.1	231.0	469.0	468.0
Limit (dB)	58.8	30.8	24.0	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.6	10.9	9.9
Freq. (MHz)	248.5	248.5	499.0	500.0
Limit (dB)	15.4	15.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.6	11.9	12.0
Freq. (MHz)	8.1	252.0	498.0	500.0
Limit (dB)	42.1	12.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	10.4	34.8	30.3
Freq. (MHz)	5.1	3.4	498.0	469.0
Limit (dB)	56.6	60.4	-23.1	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	10.7	35.6	33.3
Freq. (MHz)	5.1	3.4	498.0	497.0
Limit (dB)	54.1	57.9	-25.9	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	7.5	3.4	8.0	4.4
Freq. (MHz)	129.5	9.5	484.0	496.0
Limit (dB)	10.9	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-3-B-2

Test Summary: PASS

Date / Time: 12/11/2022 01:31:27 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	188
Prop. Delay (ns), Limit 555	[Pair 4,5]	292
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.7	2.3	9.8	4.1
Freq. (MHz)	248.0	228.0	500.0	447.0
Limit (dB)	33.2	33.8	26.1	27.4
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	7.5	4.6	10.8	6.2
Freq. (MHz)	248.0	228.0	497.0	447.0
Limit (dB)	30.2	30.9	23.3	24.5

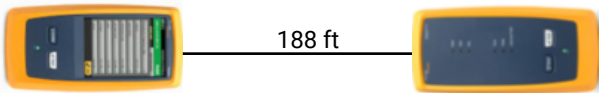
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.7	9.7	10.4	10.3
Freq. (MHz)	242.0	242.0	457.0	500.0
Limit (dB)	15.6	15.6	10.1	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.1	10.5	11.3
Freq. (MHz)	462.0	457.0	462.0	463.0
Limit (dB)	7.0	7.1	7.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.3	8.2	35.0	30.8
Freq. (MHz)	7.3	7.4	500.0	497.0
Limit (dB)	53.3	53.2	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.2	34.6	32.1
Freq. (MHz)	3.4	3.5	497.0	497.0
Limit (dB)	57.9	57.6	-25.8	-25.8

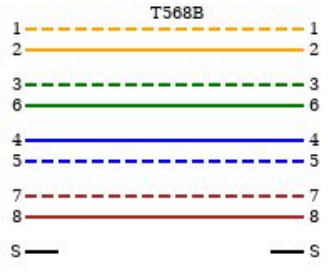
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	4,5	1,2
RL (dB)	5.7	2.7	8.0	4.6
Freq. (MHz)	10.1	9.6	430.0	492.0
Limit (dB)	19.0	19.0	6.0	6.0

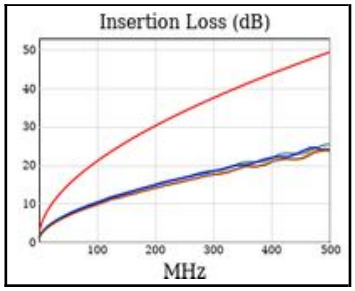
Compliant Network Standards:

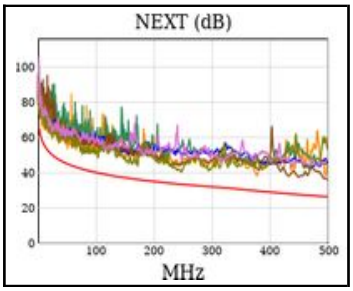
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

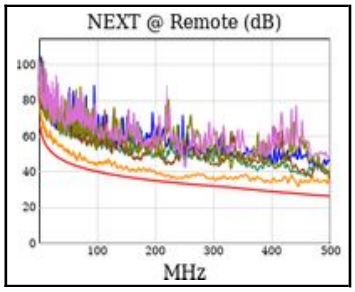


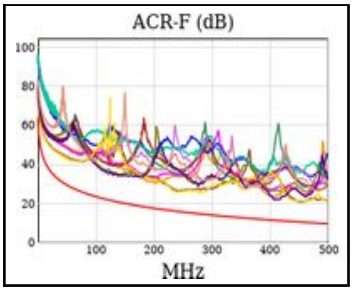
PASS

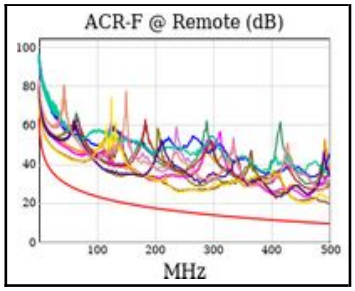


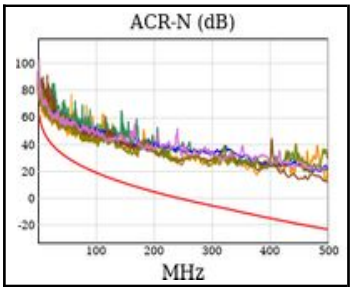


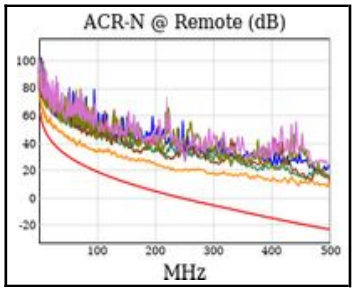


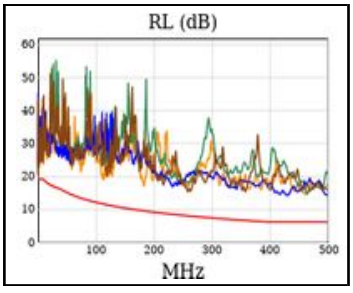


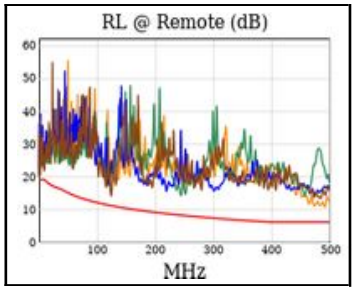












FLUKE networks

LinkWare Live

Cable ID: 147-B

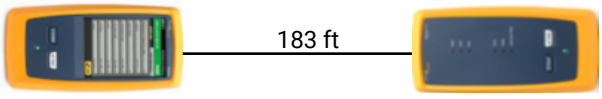
Test Summary: PASS

Date / Time: 12/03/2022 05:33:11 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

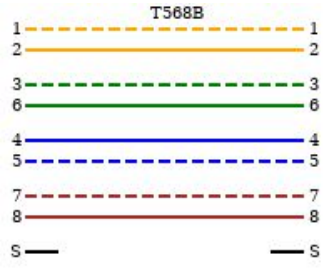
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

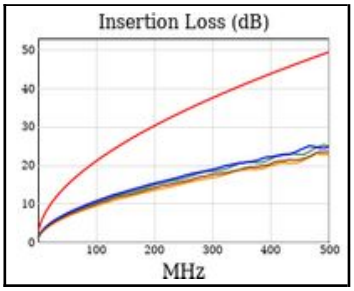
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

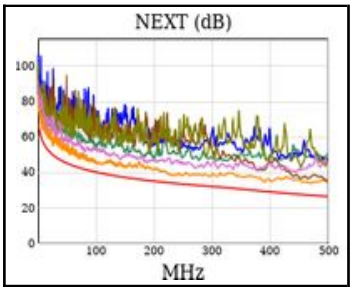
Length (ft), Limit 328	[Pair 1,2]	183
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	23.7
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

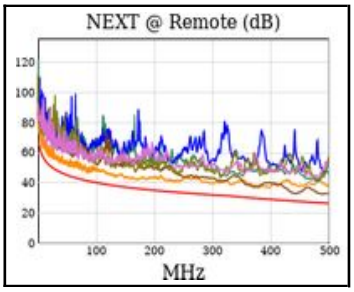


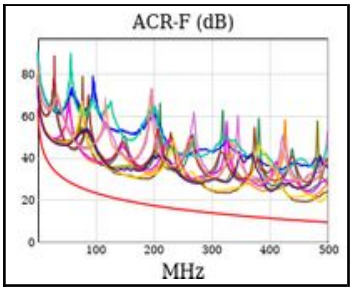
PASS

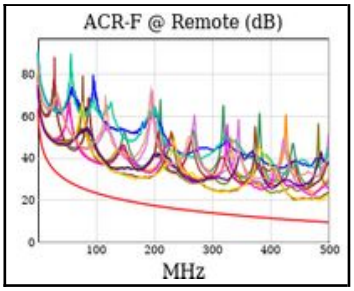


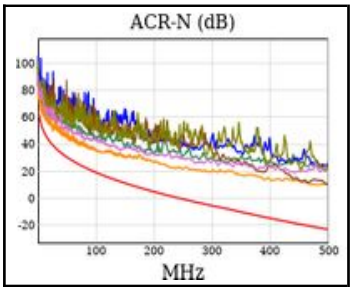


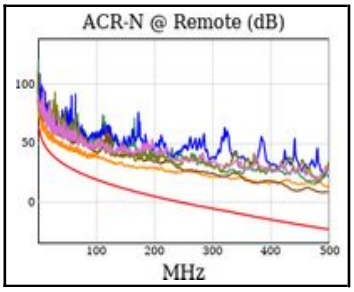


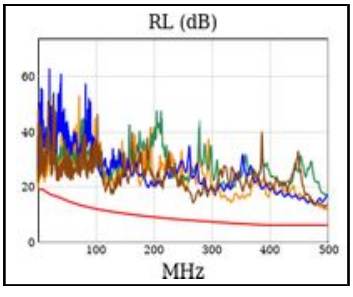


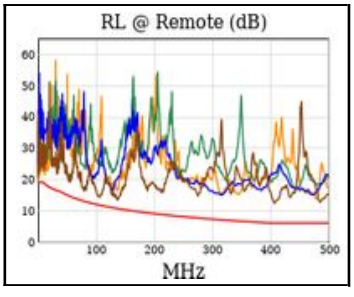












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.2	5.0	6.6	5.9
Freq. (MHz)	234.5	85.5	471.0	490.0
Limit (dB)	33.6	41.1	26.8	26.3
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.9	6.7	8.5	7.9
Freq. (MHz)	234.5	444.0	500.0	492.0
Limit (dB)	30.6	24.6	23.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	8.9	9.8	8.9	10.2
Freq. (MHz)	461.0	441.0	461.0	488.0
Limit (dB)	10.0	10.4	10.0	9.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	9.4	9.4	10.6	11.0
Freq. (MHz)	4.3	2.6	461.0	471.0
Limit (dB)	47.7	51.9	7.0	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.2	8.4	31.4	30.2
Freq. (MHz)	5.6	7.6	483.0	490.0
Limit (dB)	55.8	52.8	-21.9	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	10.4	32.8	31.6
Freq. (MHz)	5.8	7.6	500.0	492.0
Limit (dB)	53.0	50.3	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	3.2	2.5	5.6	6.3
Freq. (MHz)	12.3	106.5	496.0	408.0
Limit (dB)	18.6	11.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 147-B

Test Summary: PASS

Date / Time: 12/10/2022 12:53:28 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	183
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	12.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	4.2	4.3	6.2	9.4
Freq. (MHz)	91.0	91.0	450.0	500.0
Limit (dB)	40.6	40.6	27.3	26.1
Worst Pair	7,8	3,6	4,5	4,5
PS NEXT (dB)	6.2	4.6	7.7	9.3
Freq. (MHz)	91.0	163.5	450.0	500.0
Limit (dB)	37.8	33.4	24.4	23.2

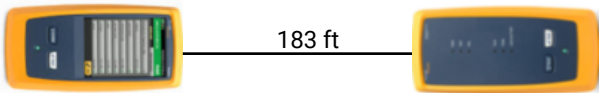
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.1	9.9	10.1	9.9
Freq. (MHz)	476.0	450.0	476.0	450.0
Limit (dB)	9.7	10.2	9.7	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	11.1	10.1	11.2
Freq. (MHz)	476.0	473.0	476.0	482.0
Limit (dB)	6.7	6.8	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.8	9.9	29.0	34.6
Freq. (MHz)	3.6	5.0	450.0	500.0
Limit (dB)	59.8	56.9	-19.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.2	9.4	30.5	34.5
Freq. (MHz)	3.6	3.5	450.0	500.0
Limit (dB)	57.3	57.6	-22.1	-26.1

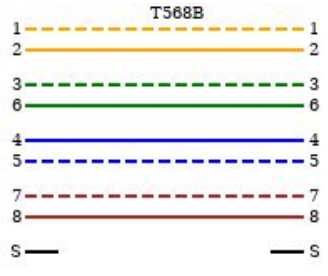
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.3	5.4	7.0	5.4
Freq. (MHz)	48.0	492.0	493.0	492.0
Limit (dB)	15.2	6.0	6.0	6.0

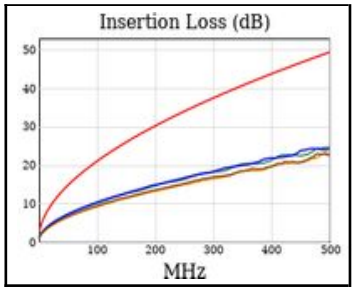
Compliant Network Standards:

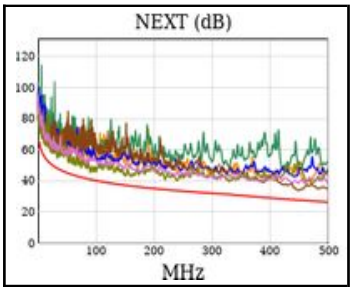
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

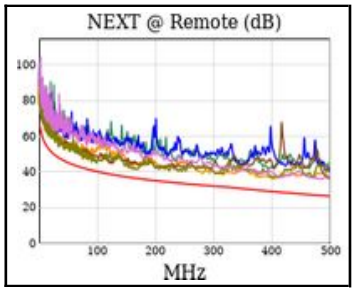


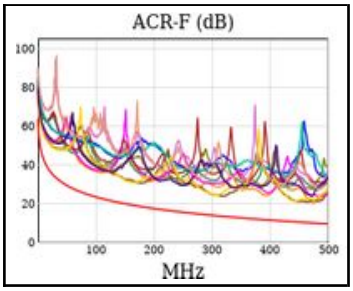
PASS

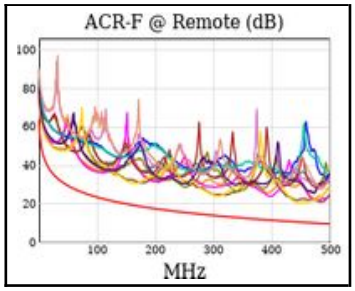


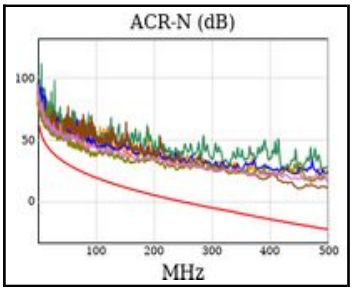


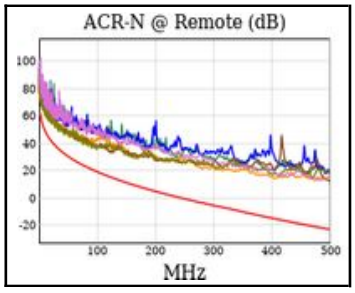


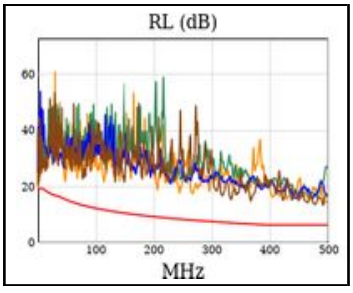


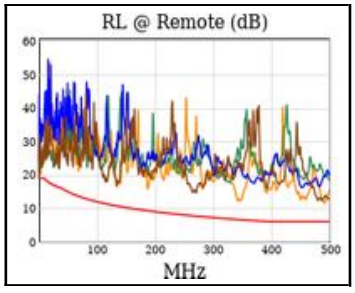












FLUKE networks

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Cable ID: 148-1-A

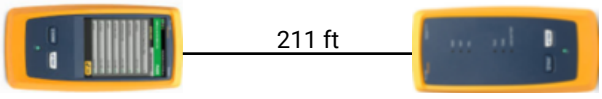
Test Summary: PASS

Date / Time: 12/10/2022 12:57:16 PM
Headroom: 6.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

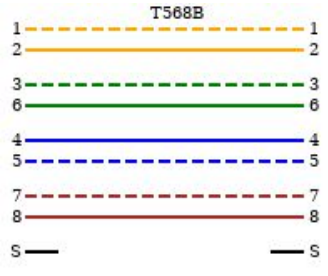
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	211
Prop. Delay (ns), Limit 555	[Pair 4,5]	334
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	13.1
Insertion Loss Margin (dB)	[Pair 4,5]	21.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.6	6.4	8.4	7.7
Freq. (MHz)	152.5	172.5	500.0	444.0
Limit (dB)	36.8	35.9	26.1	27.5
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.2	5.6	10.7	8.4
Freq. (MHz)	152.5	172.5	500.0	443.0
Limit (dB)	33.9	33.0	23.2	24.6

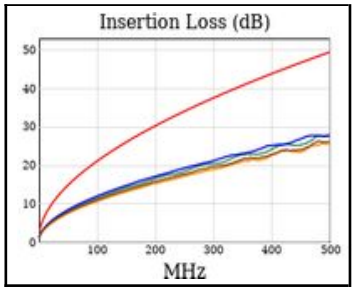
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.8	10.6	10.5	11.0
Freq. (MHz)	393.0	282.0	476.0	482.0
Limit (dB)	11.4	14.3	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.8	12.7	11.7
Freq. (MHz)	5.3	5.0	500.0	475.0
Limit (dB)	45.9	46.3	6.3	6.7

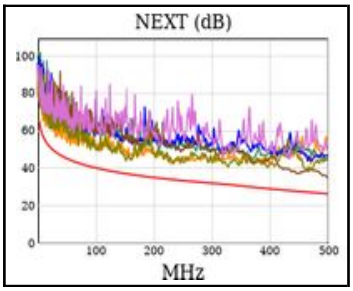
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	9.8	30.0	33.2
Freq. (MHz)	9.6	4.4	500.0	499.0
Limit (dB)	50.5	58.1	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.6	8.8	32.3	32.7
Freq. (MHz)	4.8	4.6	500.0	499.0
Limit (dB)	54.8	55.1	-26.1	-26.0

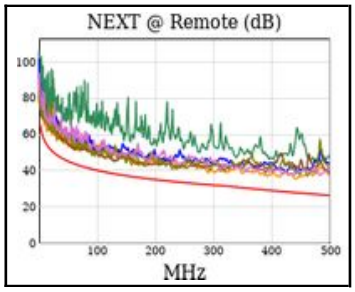
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.5	4.0	6.9	6.3
Freq. (MHz)	13.5	13.6	499.0	466.0
Limit (dB)	18.3	18.3	6.0	6.0

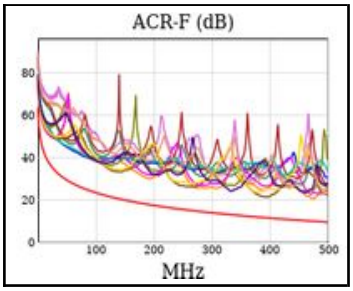
Compliant Network Standards:

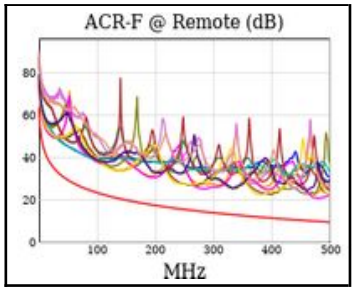
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

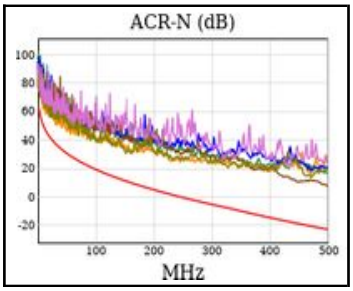


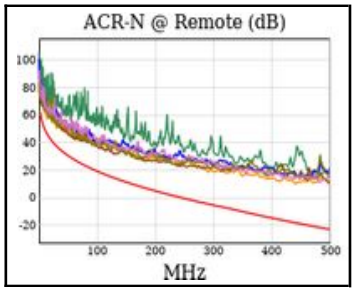


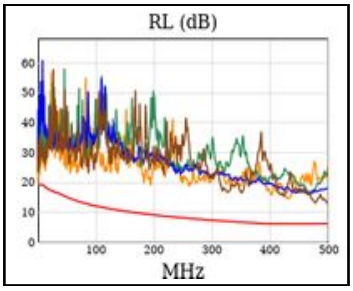


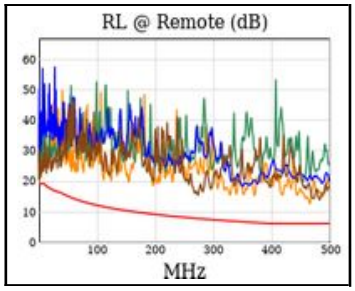












FLUKE networks

LinkWare Live

Cable ID: 148-1-B

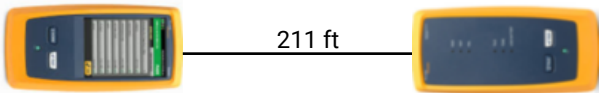
Test Summary: PASS

Date / Time: 12/10/2022 12:57:48 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

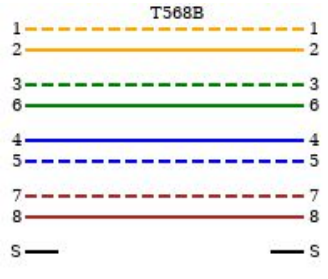
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

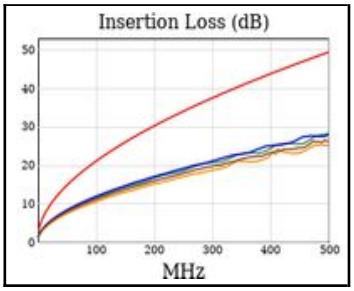
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

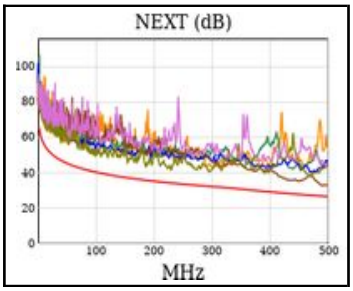
Length (ft), Limit 328	[Pair 1,2]	211
Prop. Delay (ns), Limit 555	[Pair 4,5]	334
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 7,8]	12.7
Insertion Loss Margin (dB)	[Pair 3,6]	21.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

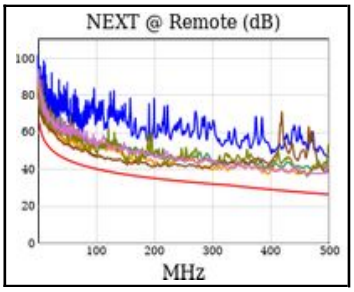


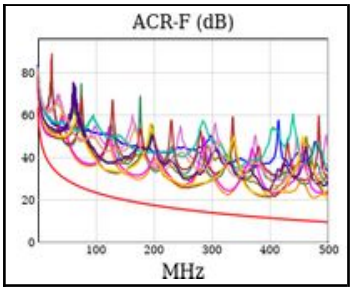
PASS

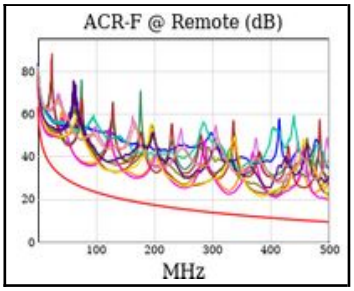


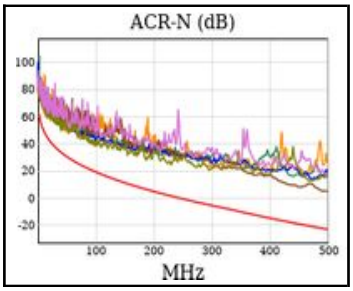


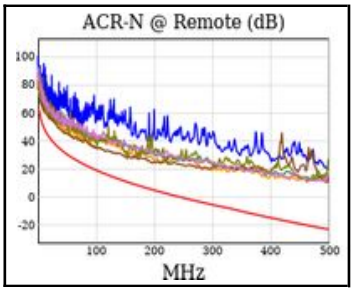


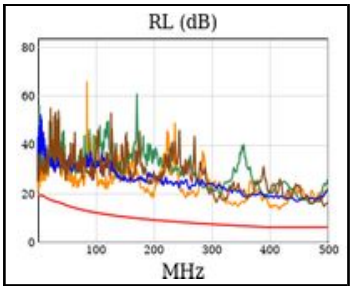


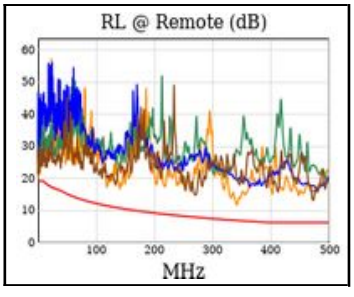












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	5.9	4.9	5.9	8.8
Freq. (MHz)	492.0	153.5	492.0	463.0
Limit (dB)	26.3	36.8	26.3	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.3	4.8	8.3	8.7
Freq. (MHz)	492.0	155.0	492.0	463.0
Limit (dB)	23.4	33.8	23.4	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	9.3	9.5	10.7	10.5
Freq. (MHz)	330.0	330.0	499.0	498.0
Limit (dB)	12.9	12.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	9.0	11.6	9.1
Freq. (MHz)	254.0	407.0	498.0	410.0
Limit (dB)	12.2	8.1	6.3	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.3	9.7	27.8	32.9
Freq. (MHz)	3.0	4.4	498.0	497.0
Limit (dB)	61.4	58.1	-23.1	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	8.9	29.3	32.3
Freq. (MHz)	3.0	4.5	492.0	493.0
Limit (dB)	58.4	55.3	-25.5	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.8	4.5	7.1	4.7
Freq. (MHz)	8.9	8.5	417.0	342.0
Limit (dB)	19.0	19.0	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 148-2-A

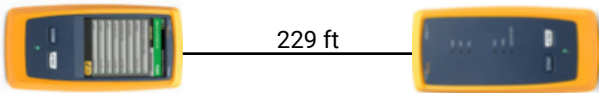
Test Summary: PASS

Date / Time: 12/10/2022 01:03:30 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

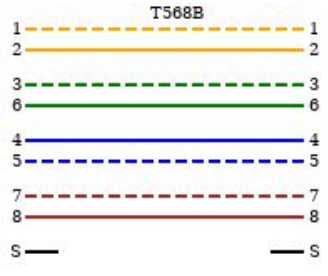
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	229
Prop. Delay (ns), Limit 555	[Pair 4,5]	364
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	18.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

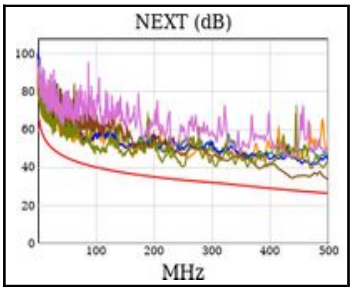


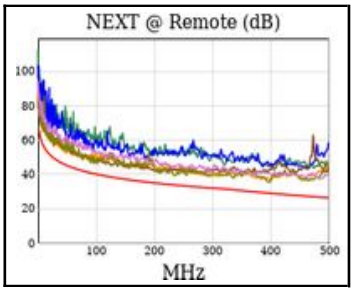
PASS



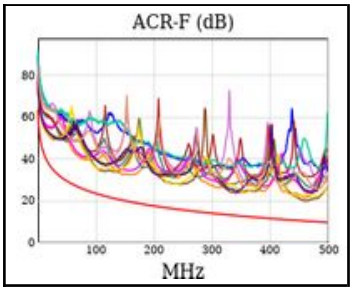


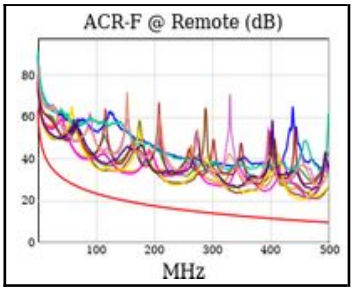
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.5	5.5	7.1	6.5
Freq. (MHz)	441.0	236.5	500.0	400.0
Limit (dB)	27.6	33.5	26.1	28.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.1	5.6	9.5	6.7
Freq. (MHz)	5.8	208.0	500.0	400.0
Limit (dB)	58.0	31.6	23.2	25.8



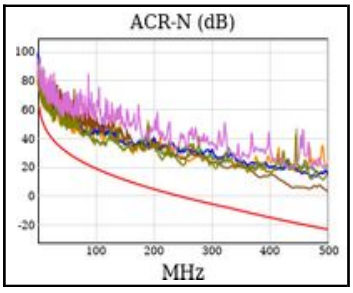


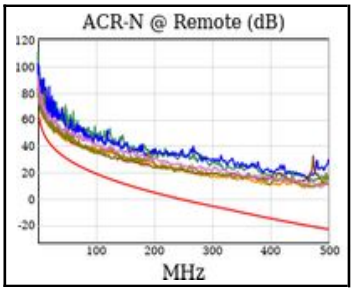
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	10.4	9.6	10.4
Freq. (MHz)	461.0	456.0	461.0	456.0
Limit (dB)	10.0	10.1	10.0	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	9.7	10.7	9.7
Freq. (MHz)	461.0	469.0	461.0	469.0
Limit (dB)	7.0	6.8	7.0	6.8



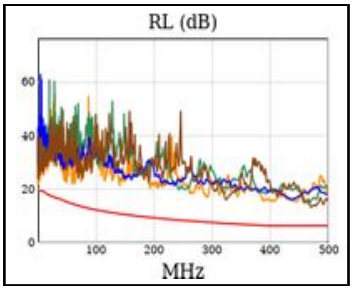


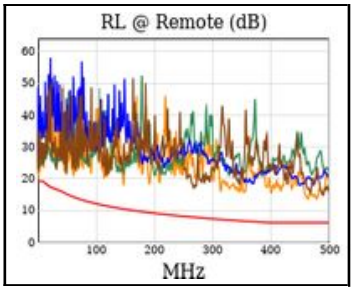
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	9.5	26.2	27.9
Freq. (MHz)	9.0	4.0	500.0	459.0
Limit (dB)	51.2	58.9	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	8.7	28.6	27.6
Freq. (MHz)	5.8	5.6	500.0	459.0
Limit (dB)	53.0	53.2	-26.1	-22.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.1	4.5	7.0	7.2
Freq. (MHz)	11.1	11.0	472.0	465.0
Limit (dB)	18.8	18.8	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 148-2-B

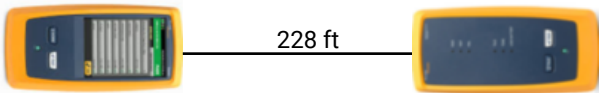
Test Summary: PASS

Date / Time: 12/10/2022 01:02:51 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

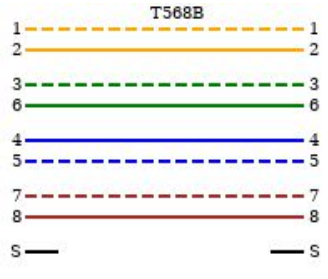
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

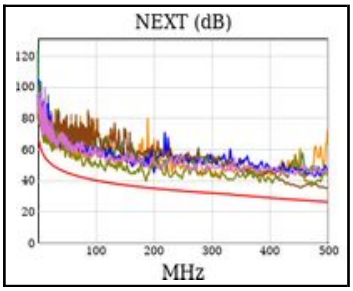
Length (ft), Limit 328	[Pair 1,2]	228
Prop. Delay (ns), Limit 555	[Pair 4,5]	362
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	13.9
Insertion Loss Margin (dB)	[Pair 3,6]	18.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

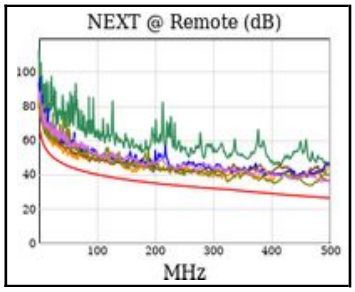


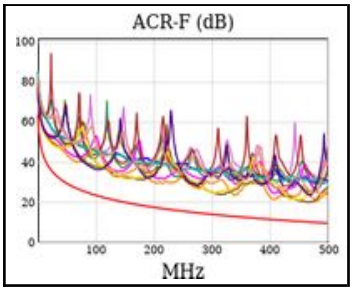
PASS

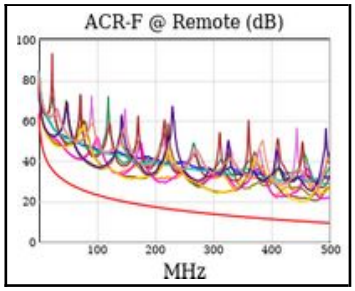


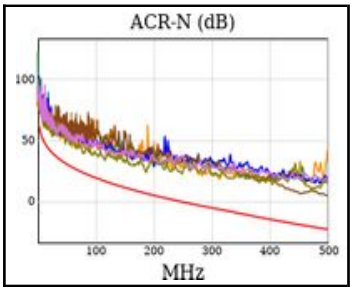


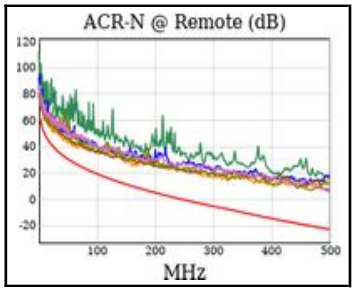


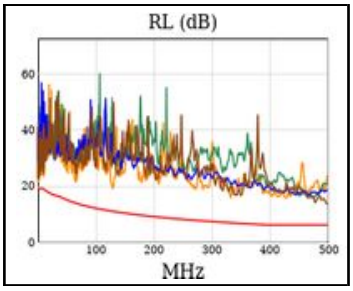


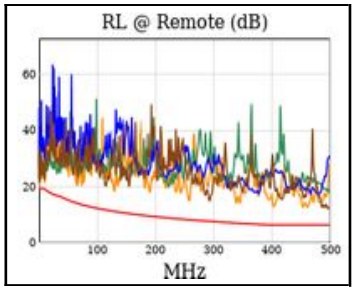












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.2	4.4	8.7	6.7
Freq. (MHz)	188.0	325.0	500.0	470.0
Limit (dB)	35.2	31.1	26.1	26.8
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	6.6	5.2	9.9	7.5
Freq. (MHz)	188.0	325.0	473.0	461.0
Limit (dB)	32.3	28.2	23.9	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.7	9.9	9.8
Freq. (MHz)	468.0	452.0	469.0	454.0
Limit (dB)	9.9	10.2	9.8	10.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.8	11.0	11.4	11.1
Freq. (MHz)	436.0	475.0	474.0	480.0
Limit (dB)	7.5	6.7	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.9	9.8	27.8	28.8
Freq. (MHz)	10.3	10.4	500.0	496.0
Limit (dB)	49.8	49.7	-23.2	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.3	9.0	28.7	28.4
Freq. (MHz)	10.3	10.4	488.0	496.0
Limit (dB)	47.3	47.1	-25.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	4.6	2.4	7.5	5.7
Freq. (MHz)	11.3	11.1	499.0	497.0
Limit (dB)	18.7	18.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-A

Test Summary: PASS

Date / Time: 12/17/2022 07:33:14 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	103
Prop. Delay (ns), Limit 555	[Pair 4,5]	159
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.7
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	6.8	6.8	8.0
Freq. (MHz)	186.5	379.0	456.0	498.0
Limit (dB)	35.3	29.4	27.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	7.1	7.1	10.0
Freq. (MHz)	186.5	3.4	457.0	497.0
Limit (dB)	32.4	61.7	24.3	23.3

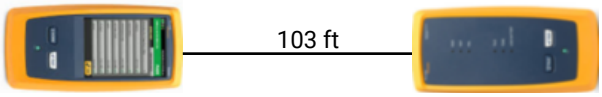
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.9	10.2	10.8
Freq. (MHz)	451.0	440.0	451.0	499.0
Limit (dB)	10.2	10.4	10.2	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.6	11.2	10.7
Freq. (MHz)	14.6	439.0	473.0	442.0
Limit (dB)	37.0	7.4	6.8	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	10.5	10.4	42.4	43.7
Freq. (MHz)	3.1	3.4	470.0	498.0
Limit (dB)	61.1	60.4	-20.8	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.9	41.1	44.6
Freq. (MHz)	3.1	3.4	457.0	497.0
Limit (dB)	58.3	57.9	-22.7	-25.8

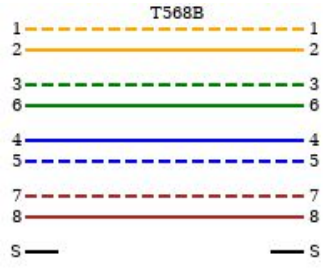
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	3,6
RL (dB)	4.6	5.2	6.3	8.0
Freq. (MHz)	62.0	44.8	405.0	472.0
Limit (dB)	14.1	15.5	6.0	6.0

Compliant Network Standards:

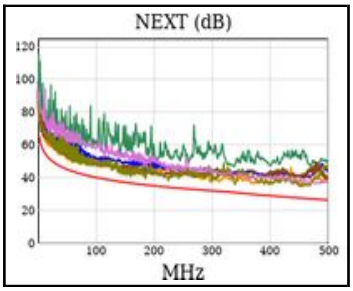
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

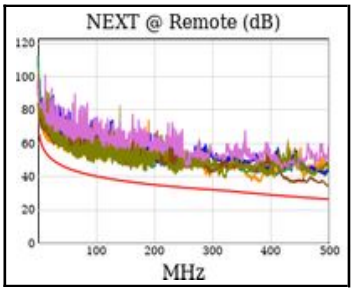


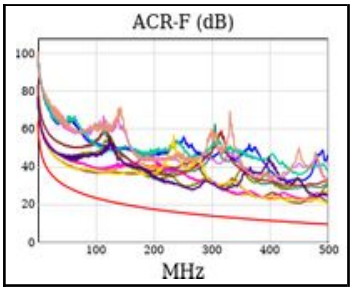
PASS

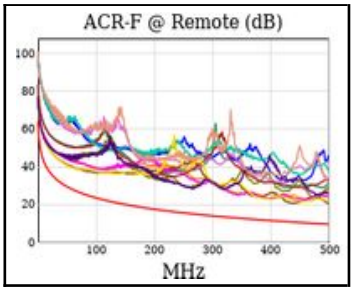


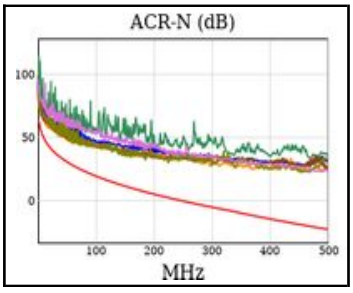


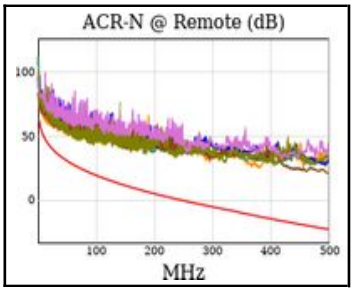


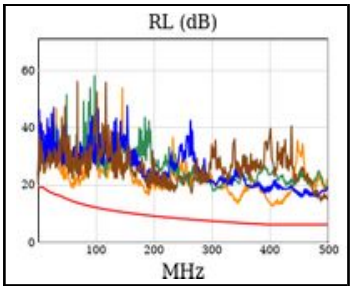


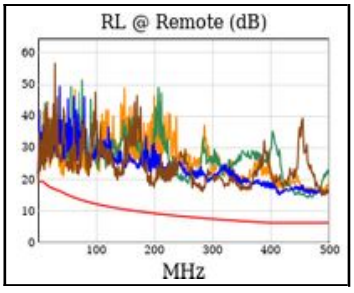












FLUKE networks

LinkWare Live

Cable ID: 149-B

Test Summary: PASS

Date / Time: 12/17/2022 07:33:35 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	103
Prop. Delay (ns), Limit 555	[Pair 4,5]	159
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	34.4
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.4	4.8	5.5	6.1
Freq. (MHz)	298.0	50.3	399.0	498.0
Limit (dB)	31.8	45.0	28.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	5.1	7.3	7.9
Freq. (MHz)	161.0	49.8	456.0	491.0
Limit (dB)	33.5	42.3	24.3	23.4

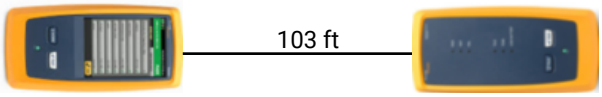
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.1	10.4	11.3
Freq. (MHz)	445.0	435.0	445.0	499.0
Limit (dB)	10.3	10.5	10.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.0	11.7	12.1	11.7
Freq. (MHz)	468.0	442.0	477.0	442.0
Limit (dB)	6.9	7.3	6.7	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	9.1	10.1	42.5	41.5
Freq. (MHz)	3.0	3.4	481.0	498.0
Limit (dB)	61.4	60.4	-21.7	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.7	8.9	44.2	42.1
Freq. (MHz)	3.4	3.5	498.0	491.0
Limit (dB)	57.9	57.6	-25.9	-25.4

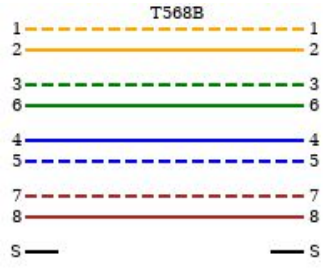
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	6.0	6.3	7.2	6.3
Freq. (MHz)	49.3	459.0	422.0	459.0
Limit (dB)	15.1	6.0	6.0	6.0

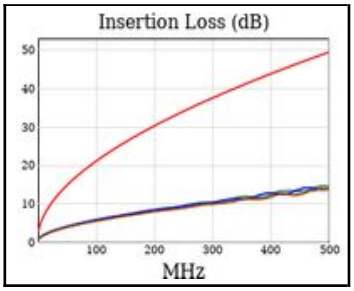
Compliant Network Standards:

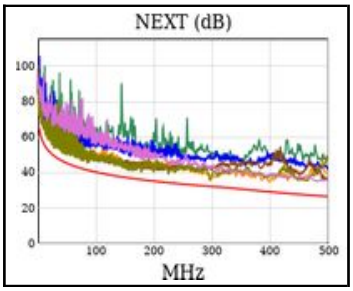
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

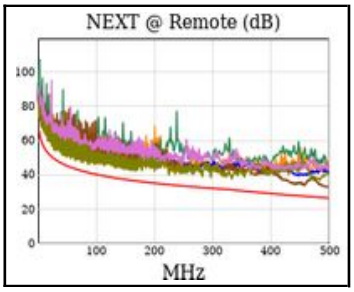


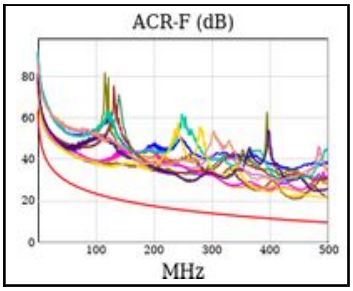
PASS

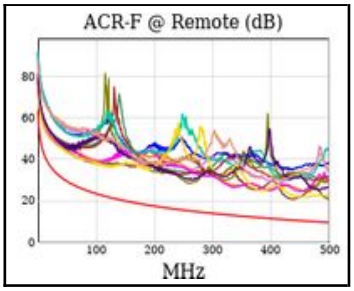


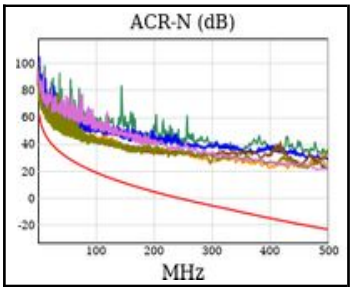


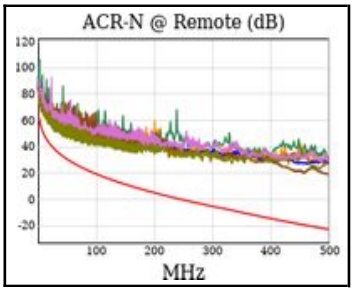


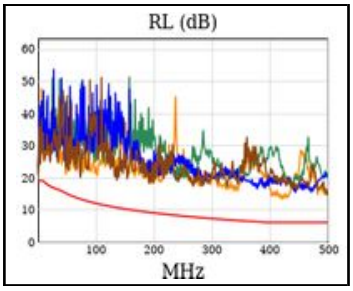


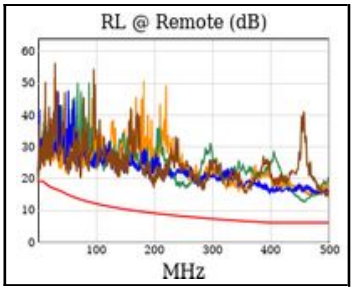












FLUKE networks

LinkWare Live

Cable ID: 147-B

Test Summary: PASS

Date / Time: 12/17/2022 11:27:03 AM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	15.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.7	8.5	7.2	8.7
Freq. (MHz)	223.5	4.8	445.0	500.0
Limit (dB)	34.0	61.8	27.5	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.7	8.7	8.1	10.9
Freq. (MHz)	163.5	4.8	461.0	500.0
Limit (dB)	33.4	59.3	24.2	23.2

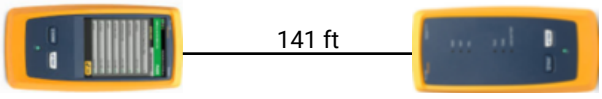
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	10.3	10.1	10.9	10.1
Freq. (MHz)	448.0	495.0	492.0	495.0
Limit (dB)	10.2	9.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.1	11.5	10.2
Freq. (MHz)	5.1	492.0	492.0	497.0
Limit (dB)	46.1	6.4	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	11.4	35.7	39.3
Freq. (MHz)	4.5	4.8	445.0	500.0
Limit (dB)	57.8	57.3	-18.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	11.5	40.0	40.9
Freq. (MHz)	4.5	4.8	499.0	500.0
Limit (dB)	55.3	54.8	-26.0	-26.1

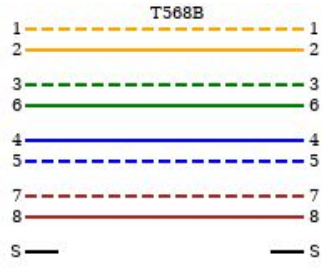
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.0	2.5	5.9	7.1
Freq. (MHz)	18.9	12.9	490.0	494.0
Limit (dB)	17.6	18.5	6.0	6.0

Compliant Network Standards:

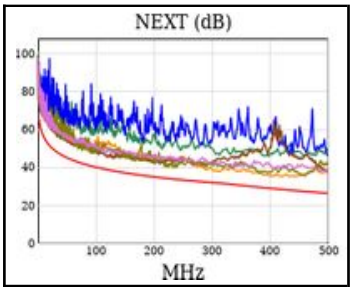
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

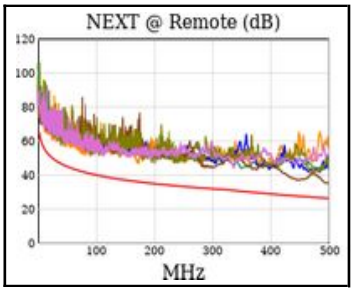


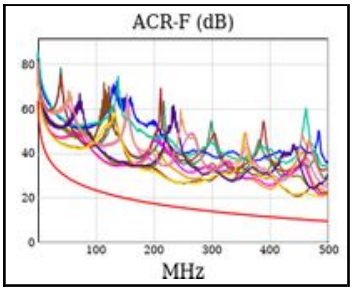
PASS

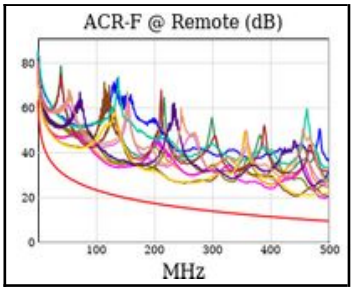


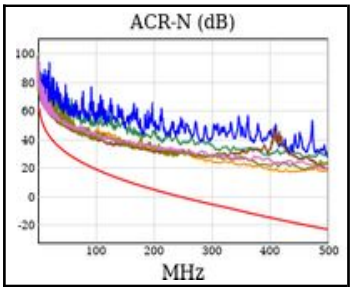


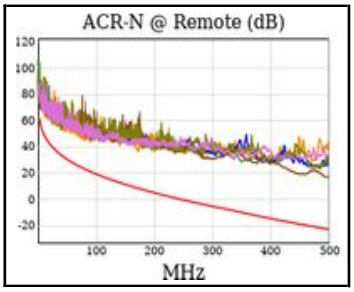


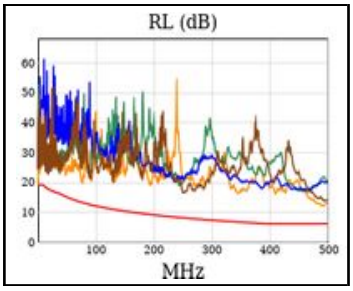


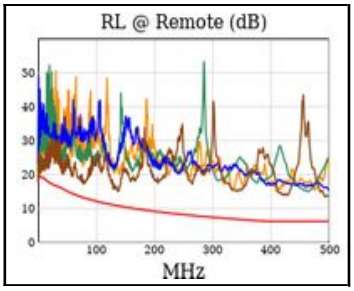












FLUKE networks

LinkWare Live

Cable ID: 149-A

Test Summary: PASS

Date / Time: 12/17/2022 11:29:57 AM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	32.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.5	6.0	8.4	9.5
Freq. (MHz)	227.0	182.5	461.0	500.0
Limit (dB)	33.8	35.5	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	6.6	9.1	10.1
Freq. (MHz)	204.0	186.5	461.0	500.0
Limit (dB)	31.7	32.4	24.2	23.2

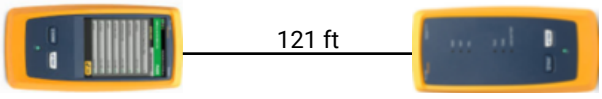
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	9.7	9.2	11.4	13.9
Freq. (MHz)	272.0	269.0	352.0	500.0
Limit (dB)	14.6	14.7	12.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.8	12.9	14.3
Freq. (MHz)	263.0	263.0	404.0	500.0
Limit (dB)	11.9	11.9	8.1	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.7	11.0	43.0	42.5
Freq. (MHz)	5.1	5.6	499.0	500.0
Limit (dB)	56.6	55.8	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.0	10.3	43.2	42.4
Freq. (MHz)	5.4	5.5	499.0	500.0
Limit (dB)	53.7	53.4	-26.0	-26.1

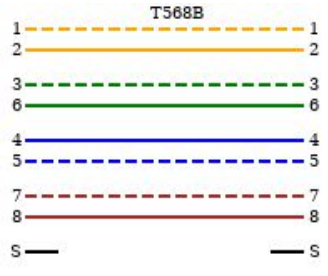
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.6	2.4	5.6	2.4
Freq. (MHz)	498.0	195.5	498.0	195.5
Limit (dB)	6.0	9.1	6.0	9.1

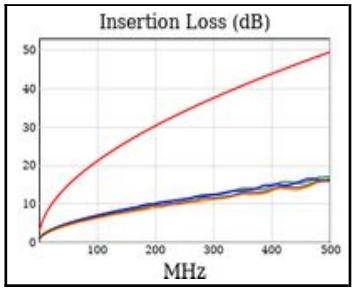
Compliant Network Standards:

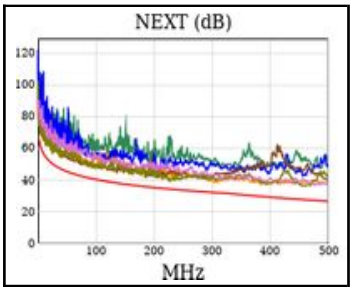
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

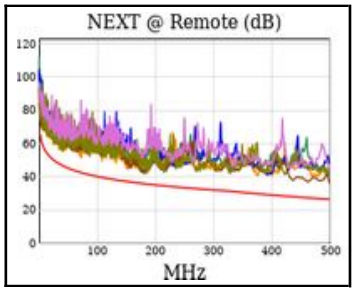


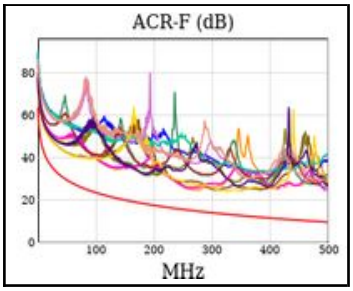
PASS

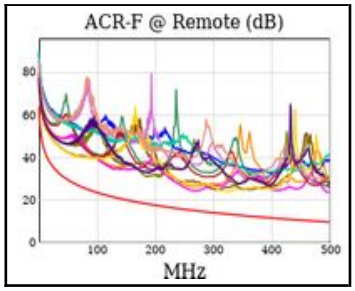


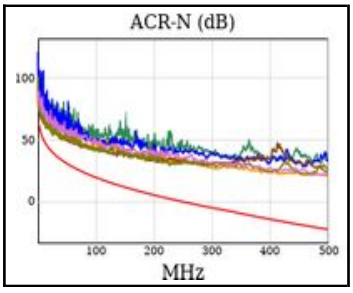


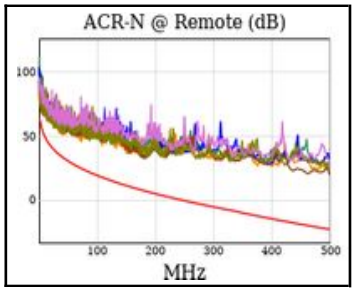


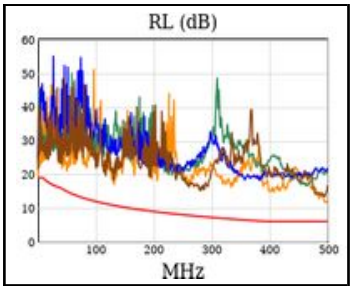


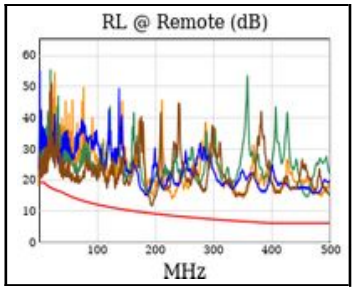












FLUKE networks

LinkWare Live

Cable ID: 149-B

Test Summary: PASS

Date / Time: 12/17/2022 11:30:31 AM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	32.0
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.2	6.5	7.8	8.9
Freq. (MHz)	229.5	177.0	460.0	500.0
Limit (dB)	33.8	35.7	27.1	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.4	6.5	8.3	10.9
Freq. (MHz)	170.5	177.5	460.0	500.0
Limit (dB)	33.1	32.8	24.2	23.2

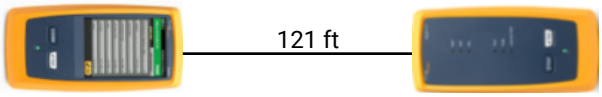
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.1	11.2	11.1	11.8
Freq. (MHz)	500.0	259.0	500.0	500.0
Limit (dB)	9.3	15.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.1	11.9	12.9
Freq. (MHz)	6.1	6.1	500.0	499.0
Limit (dB)	44.5	44.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	11.6	12.6	40.6	41.9
Freq. (MHz)	5.1	3.0	463.0	500.0
Limit (dB)	56.6	61.4	-20.3	-23.2
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	11.0	11.5	41.5	43.6
Freq. (MHz)	5.4	3.1	478.0	500.0
Limit (dB)	53.7	58.3	-24.4	-26.1

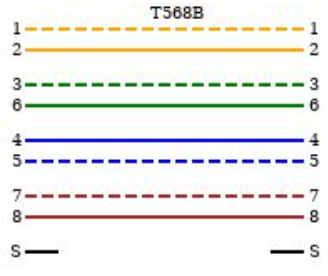
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.7	4.5	7.5	4.9
Freq. (MHz)	36.5	64.8	498.0	193.0
Limit (dB)	16.2	13.9	6.0	9.1

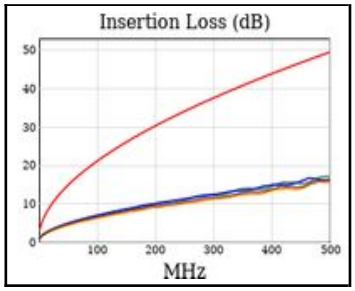
Compliant Network Standards:

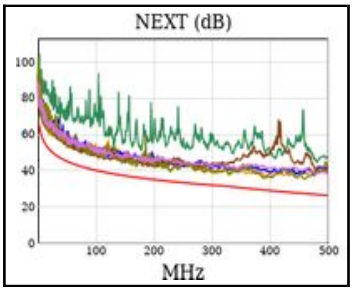
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

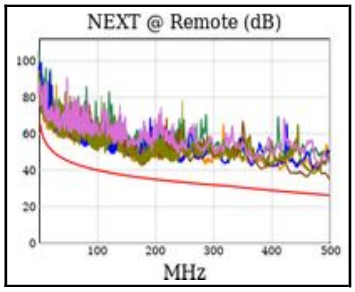


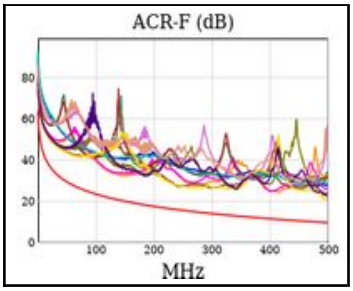
PASS

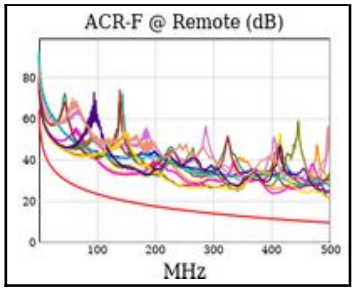


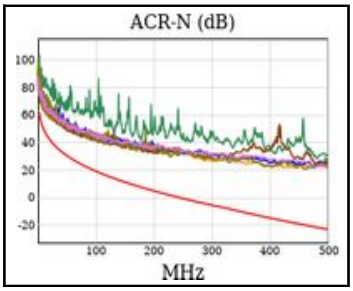


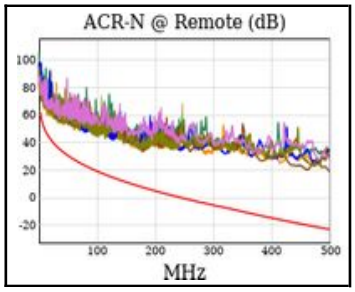


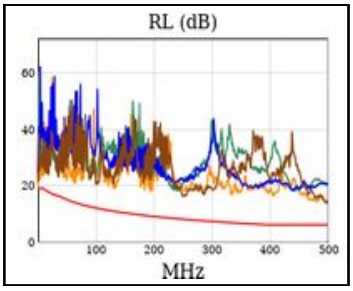


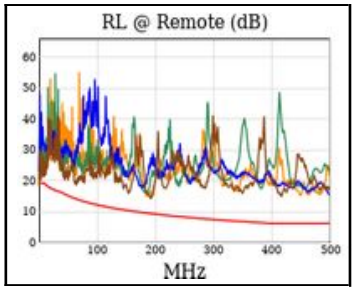












FLUKE networks

LinkWare Live

Cable ID: 149-B

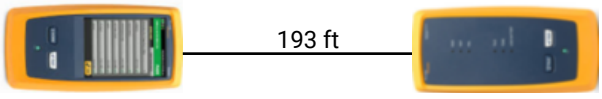
Test Summary: PASS

Date / Time: 11/27/2022 04:41:49 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

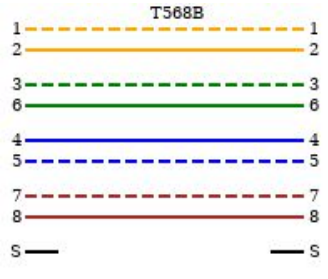
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

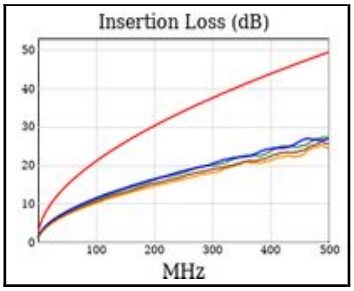
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

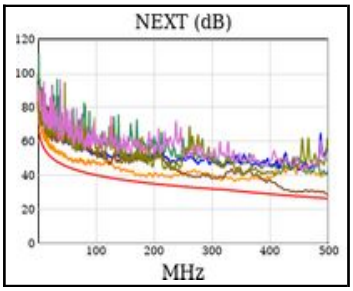
Length (ft), Limit 328	[Pair 1,2]	193
Prop. Delay (ns), Limit 555	[Pair 4,5]	306
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	21.9
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

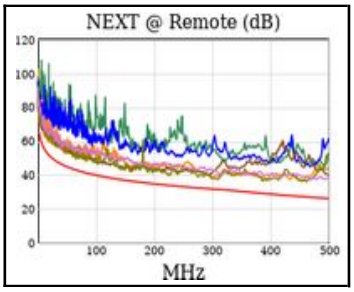


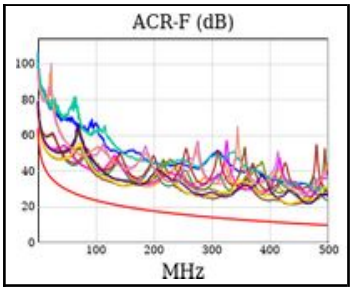
PASS

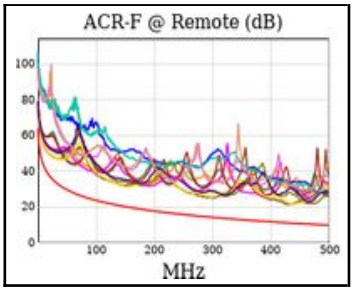


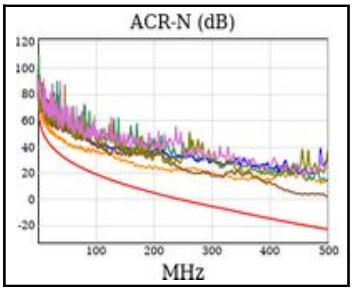


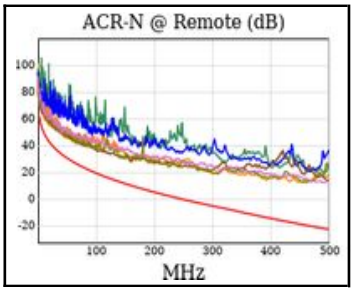


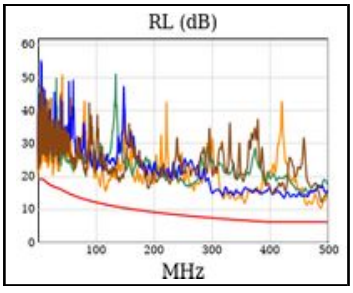


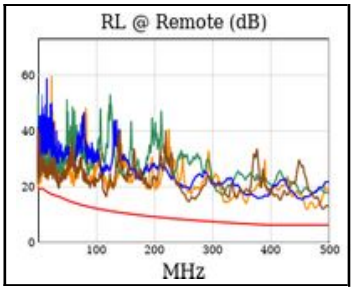












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.2	5.4	2.5	8.8
Freq. (MHz)	447.0	162.0	499.0	462.0
Limit (dB)	27.4	36.4	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.7	4.5	5.1	9.3
Freq. (MHz)	447.0	159.0	499.0	458.0
Limit (dB)	24.5	33.6	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.4	10.7	10.4
Freq. (MHz)	302.0	429.0	443.0	429.0
Limit (dB)	13.7	10.6	10.3	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.5	11.5
Freq. (MHz)	5.9	5.9	469.0	472.0
Limit (dB)	44.9	44.9	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.2	8.5	25.0	31.5
Freq. (MHz)	3.6	3.6	500.0	458.0
Limit (dB)	59.8	59.8	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	8.8	27.3	31.2
Freq. (MHz)	3.6	3.4	499.0	458.0
Limit (dB)	57.3	57.9	-26.0	-22.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	3.3	3.0	4.3	5.7
Freq. (MHz)	26.9	37.0	489.0	464.0
Limit (dB)	16.9	16.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 149-B-2

Test Summary: PASS

Date / Time: 11/27/2022 04:17:08 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	235
Prop. Delay (ns), Limit 555	[Pair 4,5]	370
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	10.9
Insertion Loss Margin (dB)	[Pair 4,5]	17.2
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	4.1	4.8	4.1	8.6
Freq. (MHz)	500.0	179.5	500.0	458.0
Limit (dB)	26.1	35.6	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.2	3.7	6.2	8.8
Freq. (MHz)	500.0	185.5	500.0	454.0
Limit (dB)	23.2	32.4	23.2	24.3

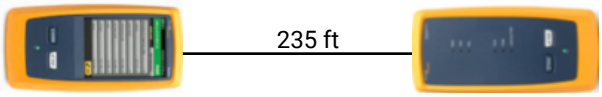
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.3	9.4	9.3	11.9
Freq. (MHz)	382.0	245.5	382.0	500.0
Limit (dB)	11.6	15.5	11.6	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.7	12.4	12.1
Freq. (MHz)	245.5	254.0	497.0	495.0
Limit (dB)	12.5	12.2	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	8.2	7.5	21.3	27.2
Freq. (MHz)	10.1	10.1	500.0	469.0
Limit (dB)	50.0	50.0	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	8.1	23.6	26.7
Freq. (MHz)	4.4	4.0	500.0	469.0
Limit (dB)	55.6	56.4	-26.1	-23.6

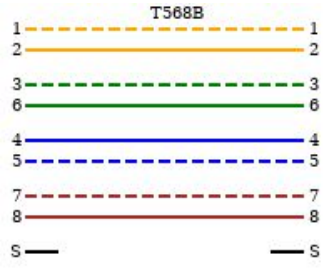
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.7	2.4	6.2	6.6
Freq. (MHz)	6.5	6.5	500.0	477.0
Limit (dB)	19.0	19.0	6.0	6.0

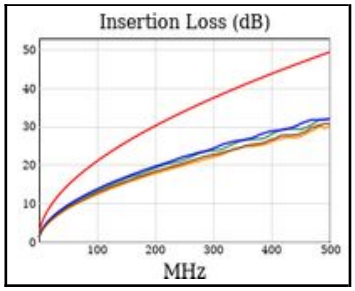
Compliant Network Standards:

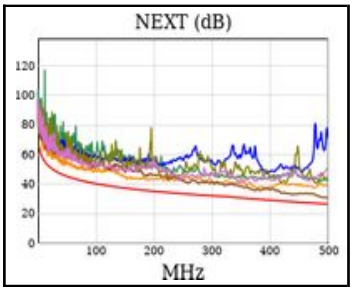
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

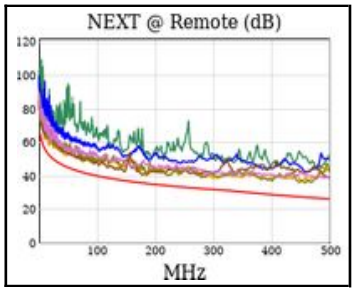


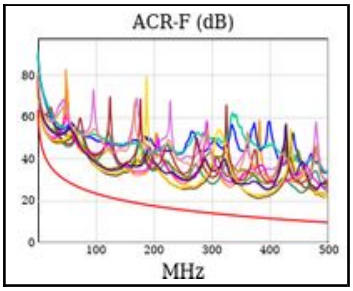
PASS

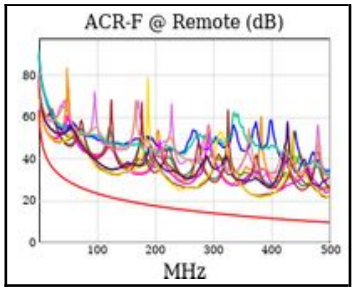


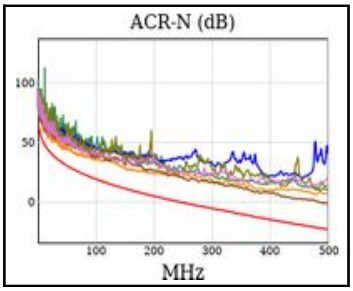


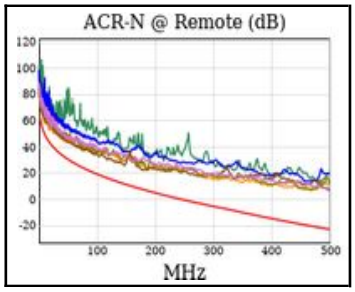


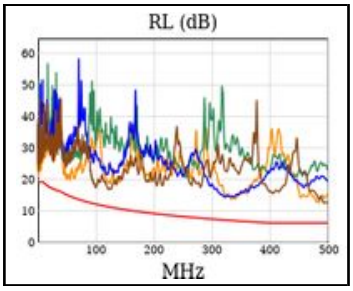


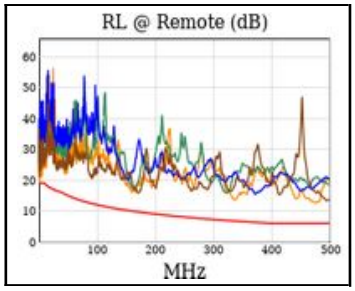












FLUKE networks

LinkWare Live

Cable ID: 151-A

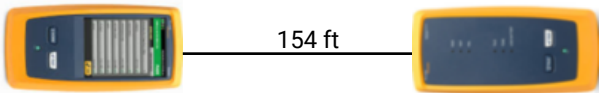
Test Summary: PASS

Date / Time: 11/27/2022 04:47:32 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

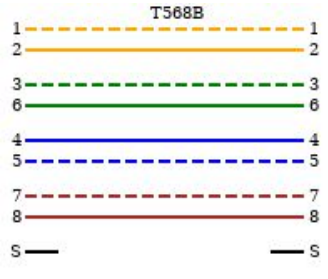
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

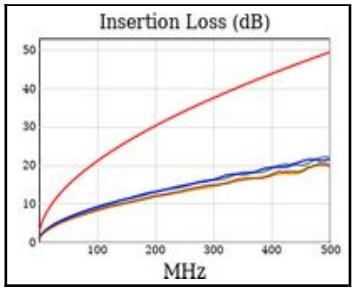
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

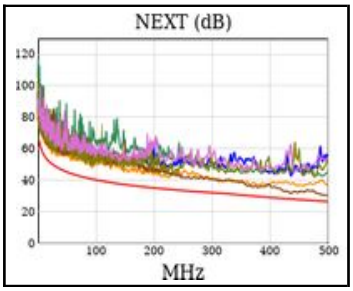
Length (ft), Limit 328	[Pair 1,2]	154
Prop. Delay (ns), Limit 555	[Pair 4,5]	244
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.0
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

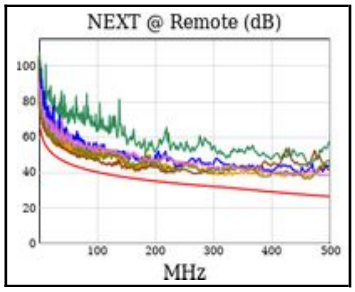


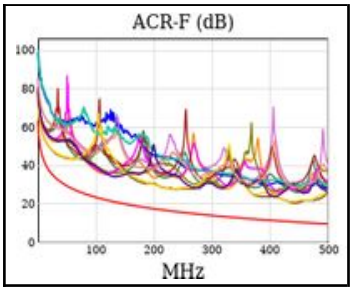
PASS

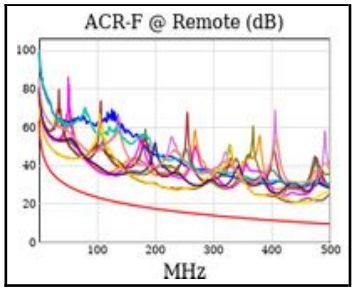


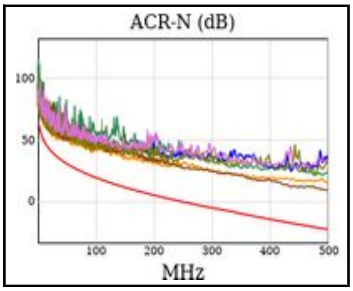


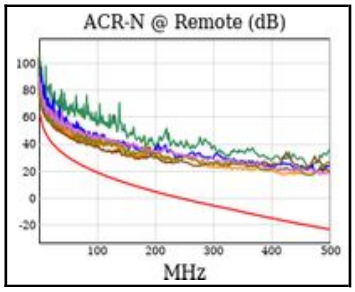


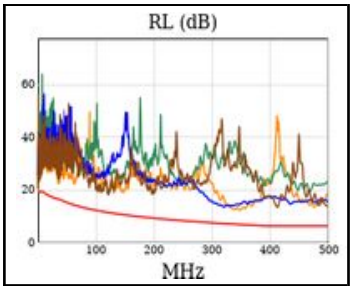


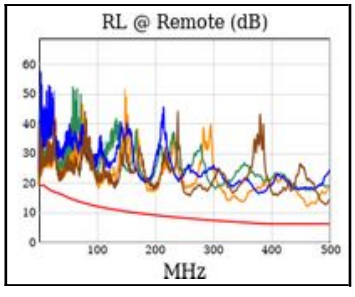












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	3.7	4.2	3.9	8.8
Freq. (MHz)	437.0	165.0	500.0	459.0
Limit (dB)	27.7	36.2	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	3.5	5.8	9.1
Freq. (MHz)	436.0	165.0	500.0	459.0
Limit (dB)	24.8	33.3	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	10.1	9.8	10.2
Freq. (MHz)	444.0	441.0	444.0	442.0
Limit (dB)	10.3	10.4	10.3	10.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.3	10.8	11.3	10.8
Freq. (MHz)	411.0	424.0	446.0	424.0
Limit (dB)	8.0	7.7	7.3	7.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.9	9.3	31.7	37.1
Freq. (MHz)	3.0	3.8	500.0	466.0
Limit (dB)	61.4	59.5	-23.2	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.0	9.1	33.1	36.3
Freq. (MHz)	4.6	4.1	500.0	466.0
Limit (dB)	55.1	56.1	-26.1	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	4.4	5.1	5.9
Freq. (MHz)	349.0	37.8	349.0	463.0
Limit (dB)	6.6	16.1	6.6	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 151-B

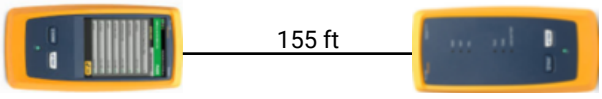
Test Summary: PASS

Date / Time: 11/27/2022 04:46:45 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

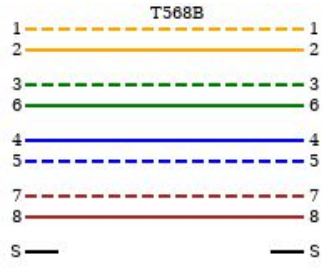
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

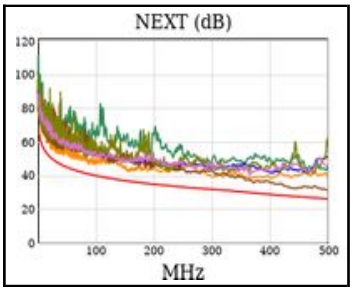
Length (ft), Limit 328	[Pair 1,2]	155
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	7.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	488.0
Limit (dB)	[Pair 3,6]	48.7

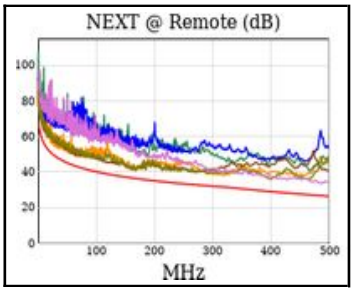


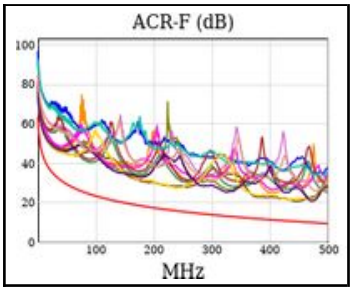
PASS

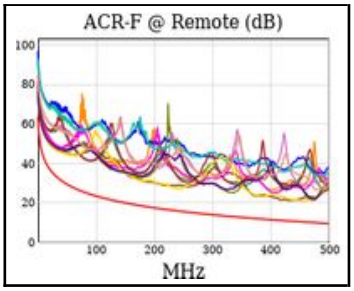


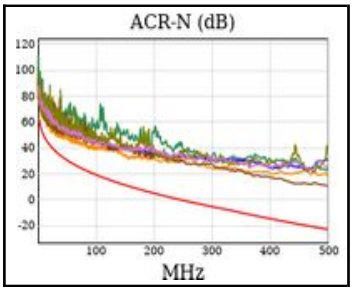


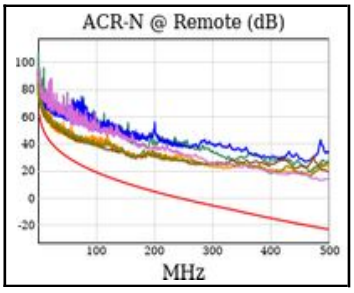


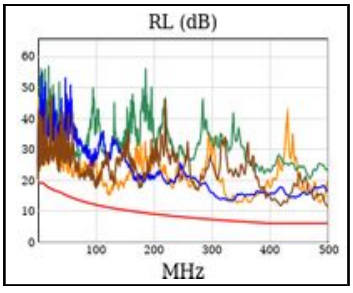


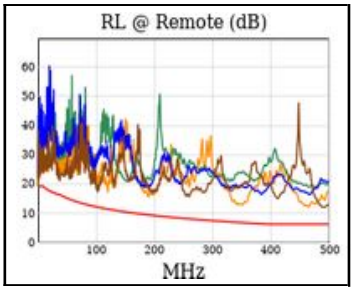












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	4.6	4.5	5.1	6.9
Freq. (MHz)	439.0	168.5	499.0	488.0
Limit (dB)	27.6	36.1	26.1	26.4
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.9	3.1	7.4	8.0
Freq. (MHz)	36.5	169.5	500.0	470.0
Limit (dB)	44.6	33.1	23.2	23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.3	10.3	10.7
Freq. (MHz)	446.0	417.0	452.0	458.0
Limit (dB)	10.3	10.9	10.2	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	11.3	11.7
Freq. (MHz)	473.0	417.0	473.0	472.0
Limit (dB)	6.8	7.9	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	9.9	9.5	33.2	35.1
Freq. (MHz)	6.6	3.9	499.0	488.0
Limit (dB)	54.2	59.2	-23.1	-22.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.4	8.9	35.3	36.7
Freq. (MHz)	6.6	6.3	500.0	488.0
Limit (dB)	51.7	52.2	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	4.0	4.7	5.4	5.7
Freq. (MHz)	124.0	38.3	500.0	493.0
Limit (dB)	11.1	16.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 14-A

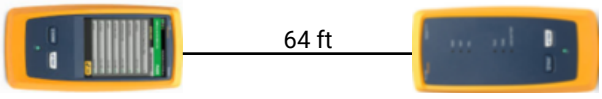
Test Summary: PASS

Date / Time: 12/18/2022 02:19:54 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

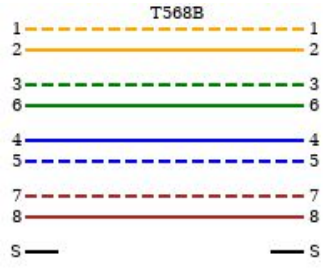
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

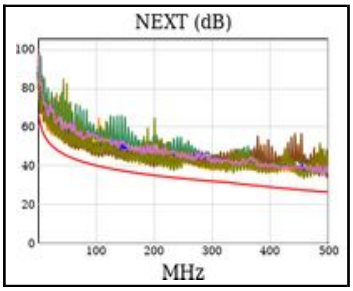
Length (ft), Limit 328	[Pair 1,2]	64
Prop. Delay (ns), Limit 555	[Pair 4,5]	102
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	38.2
Frequency (MHz)	[Pair 3,6]	485.0
Limit (dB)	[Pair 3,6]	48.5

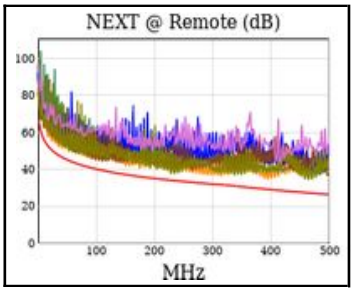


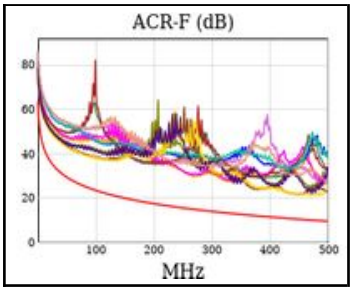
PASS

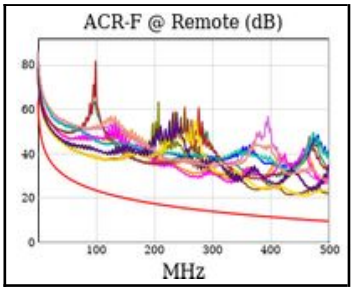


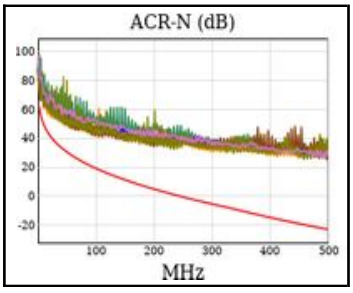


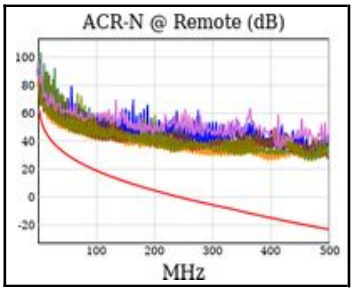


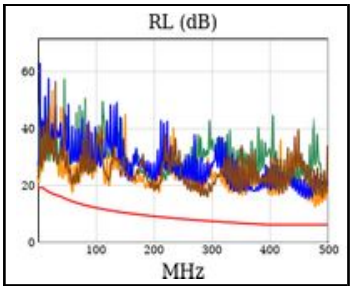


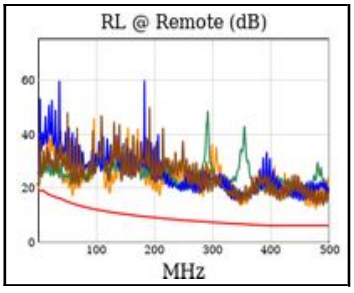












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.6	3.6	5.9	7.0
Freq. (MHz)	235.5	229.0	459.0	472.0
Limit (dB)	33.6	33.8	27.1	26.8
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	3.8	3.6	6.7	6.7
Freq. (MHz)	230.0	236.5	460.0	395.0
Limit (dB)	30.8	30.6	24.2	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.5	11.4	10.5
Freq. (MHz)	440.0	460.0	485.0	460.0
Limit (dB)	10.4	10.0	9.5	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	12.6	11.7	13.0
Freq. (MHz)	485.0	395.0	485.0	490.0
Limit (dB)	6.5	8.3	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.5	9.5	47.8	46.3
Freq. (MHz)	5.0	5.0	499.0	472.0
Limit (dB)	56.9	56.9	-23.1	-21.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	8.6	48.1	47.5
Freq. (MHz)	5.4	5.6	499.0	472.0
Limit (dB)	53.7	53.2	-26.0	-23.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.1	6.2	6.1	6.2
Freq. (MHz)	479.0	478.0	479.0	478.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 14-B

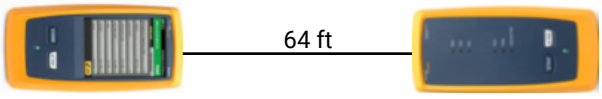
Test Summary: PASS

Date / Time: 12/18/2022 02:20:36 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

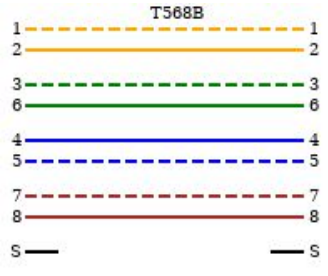
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	64
Prop. Delay (ns), Limit 555	[Pair 4,5]	100
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	5.3
Insertion Loss Margin (dB)	[Pair 3,6]	38.7
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.7	3.7	6.0	7.0
Freq. (MHz)	183.5	232.5	453.0	466.0
Limit (dB)	35.4	33.7	27.3	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.4	3.5	6.1	7.9
Freq. (MHz)	226.5	239.0	405.0	466.0
Limit (dB)	30.9	30.5	25.6	24.0

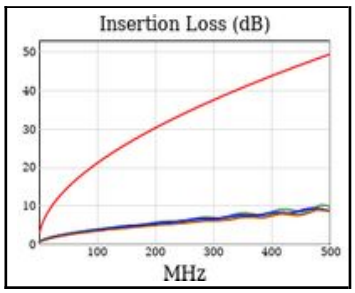
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.4	11.8	11.4	12.2
Freq. (MHz)	496.0	58.3	496.0	500.0
Limit (dB)	9.3	28.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	12.0	13.1	13.4
Freq. (MHz)	38.0	38.0	495.0	500.0
Limit (dB)	28.7	28.7	6.4	6.3

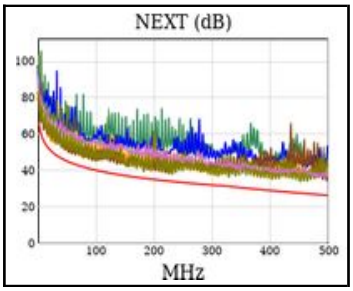
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.3	9.5	48.4	46.1
Freq. (MHz)	5.4	5.6	499.0	466.0
Limit (dB)	56.2	55.8	-23.1	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	9.2	48.7	46.3
Freq. (MHz)	5.4	5.6	499.0	466.0
Limit (dB)	53.7	53.2	-26.0	-23.4

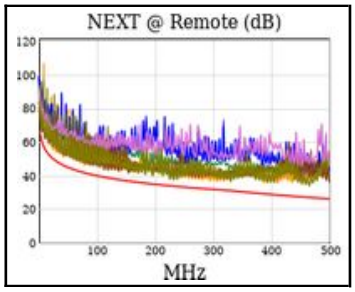
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.6	6.1	6.8	6.1
Freq. (MHz)	116.0	471.0	482.0	471.0
Limit (dB)	11.4	6.0	6.0	6.0

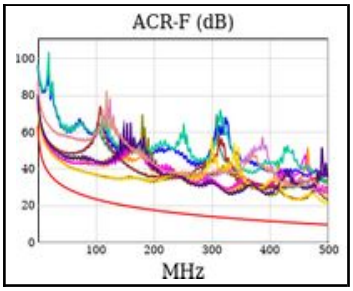
Compliant Network Standards:

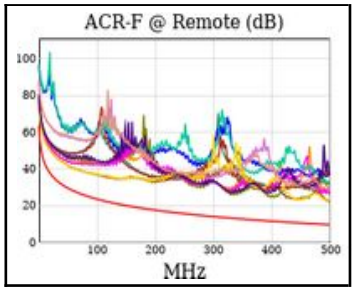
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

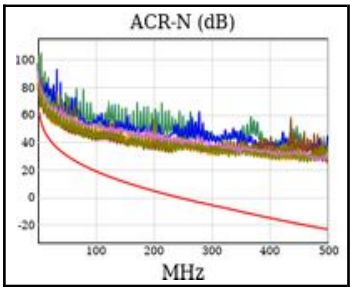


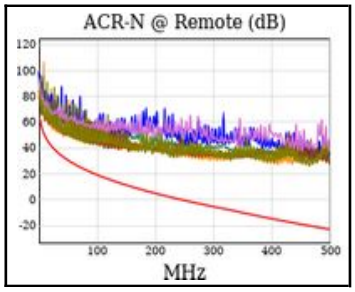


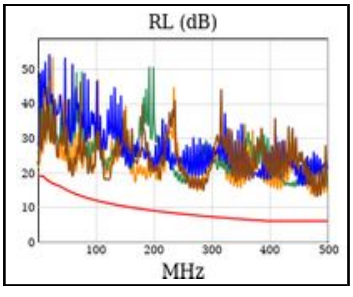


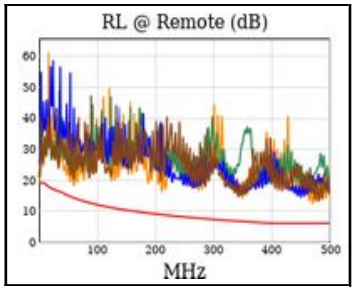












FLUKE networks

LinkWare Live

Cable ID: 15-1-A

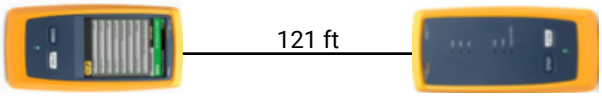
Test Summary: PASS

Date / Time: 12/18/2022 01:49:18 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

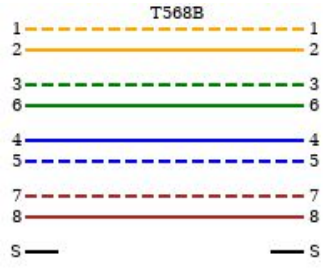
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

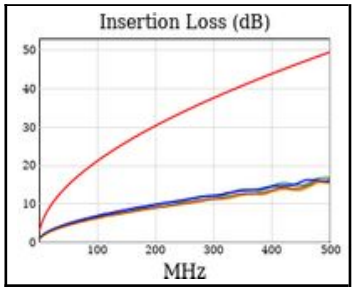
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

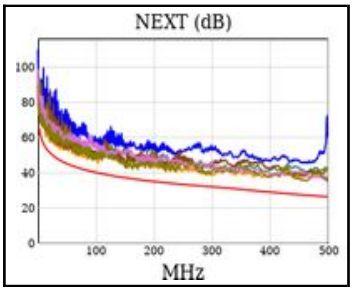
Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	6.1
Insertion Loss Margin (dB)	[Pair 3,6]	32.3
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

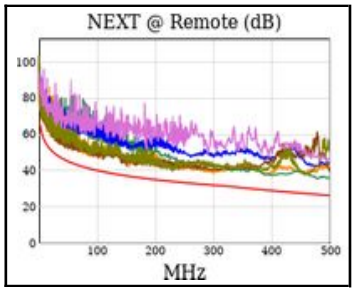


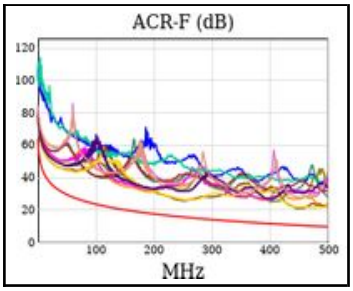
PASS

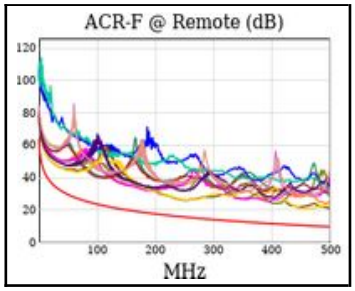


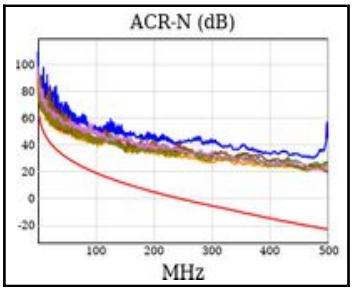


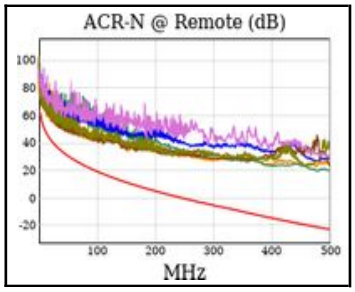


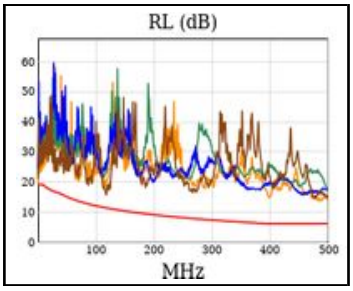


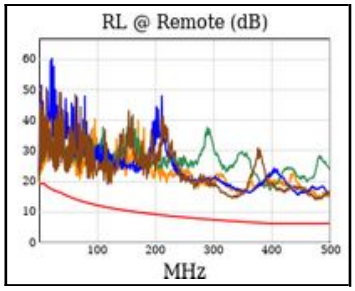












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-4,5
NEXT (dB)	5.3	5.2	8.7	8.7
Freq. (MHz)	104.5	155.5	500.0	482.0
Limit (dB)	39.6	36.7	26.1	26.5
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	5.0	5.1	8.0	9.3
Freq. (MHz)	95.3	212.5	459.0	477.0
Limit (dB)	37.4	31.4	24.2	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	10.2	10.3	10.3
Freq. (MHz)	254.0	254.0	450.0	458.0
Limit (dB)	15.2	15.2	10.2	10.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	12.0	11.8	12.3	12.7
Freq. (MHz)	251.0	248.0	494.0	469.0
Limit (dB)	12.3	12.4	6.4	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-4,5
ACR-N (dB)	9.6	10.0	41.9	40.8
Freq. (MHz)	2.9	2.8	500.0	479.0
Limit (dB)	61.4	61.5	-23.2	-21.6
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.7	9.0	42.3	43.6
Freq. (MHz)	3.0	3.0	500.0	500.0
Limit (dB)	58.4	58.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.2	6.3	7.1	7.5
Freq. (MHz)	118.5	28.9	488.0	475.0
Limit (dB)	11.3	16.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 15-1-B

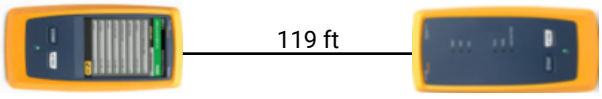
Test Summary: PASS

Date / Time: 12/18/2022 01:49:37 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

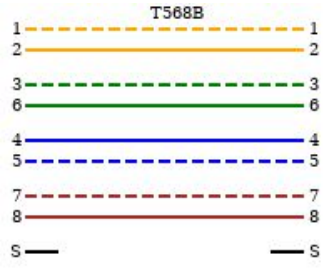
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	119
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.1
Insertion Loss Margin (dB)	[Pair 3,6]	32.5
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS



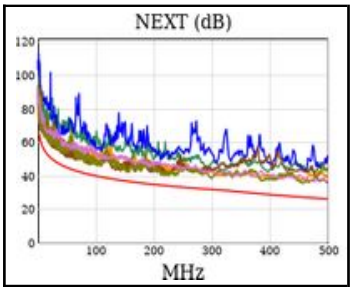
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.2	5.0	8.1	7.6
Freq. (MHz)	155.5	310.0	459.0	461.0
Limit (dB)	36.7	31.5	27.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.1	5.1	9.7	8.8
Freq. (MHz)	155.0	225.0	500.0	467.0
Limit (dB)	33.8	31.0	23.2	24.0

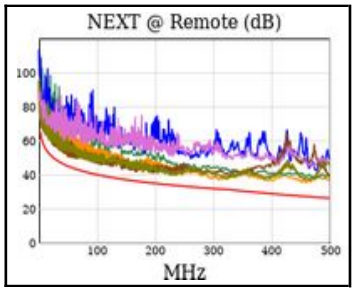
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.8	11.6	11.7
Freq. (MHz)	242.5	245.5	499.0	499.0
Limit (dB)	15.6	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.2	13.2	11.5
Freq. (MHz)	1.1	3.6	494.0	494.0
Limit (dB)	59.2	49.1	6.4	6.4

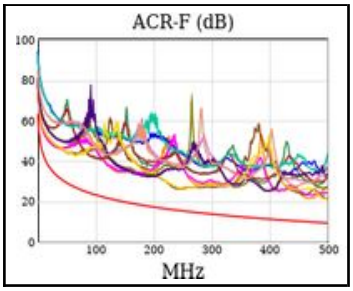
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.4	8.8	42.8	40.3
Freq. (MHz)	3.0	2.9	500.0	467.0
Limit (dB)	61.4	61.4	-23.2	-20.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.6	9.2	42.9	40.9
Freq. (MHz)	3.0	3.0	500.0	467.0
Limit (dB)	58.4	58.4	-26.1	-23.5

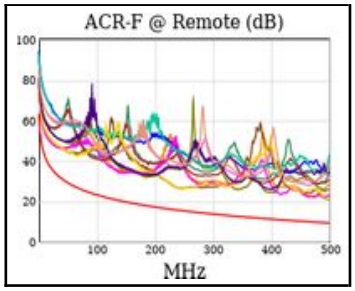
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	3.9	5.5	5.8	8.4
Freq. (MHz)	119.5	35.0	486.0	419.0
Limit (dB)	11.2	16.3	6.0	6.0

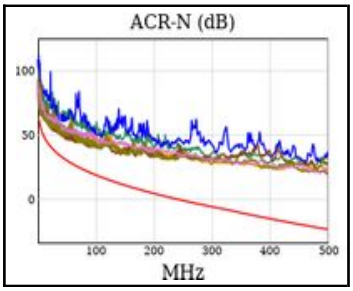


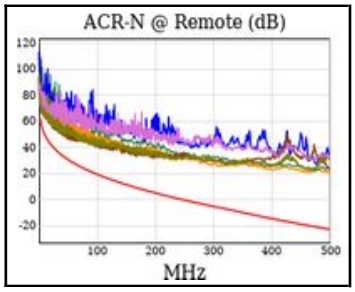


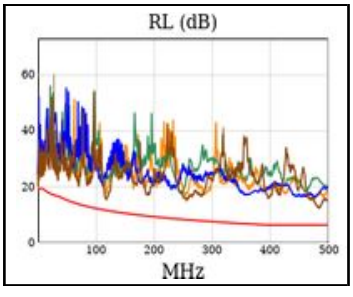


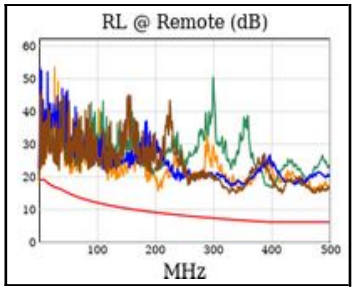












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 151-A

Test Summary: PASS

Date / Time: 12/17/2022 07:30:16 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	202
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-7,8
NEXT (dB)	4.7	6.3	7.7	6.8
Freq. (MHz)	226.0	203.0	499.0	395.0
Limit (dB)	33.9	34.7	26.1	28.9
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.0	8.2	8.0	9.2
Freq. (MHz)	159.0	68.0	467.0	459.0
Limit (dB)	33.6	40.0	24.0	24.2

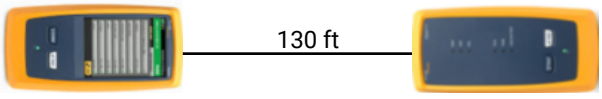
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.6	10.5	10.1
Freq. (MHz)	380.0	393.0	474.0	466.0
Limit (dB)	11.7	11.4	9.7	9.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.1	11.5	10.1	12.3
Freq. (MHz)	406.0	380.0	406.0	466.0
Limit (dB)	8.1	8.7	8.1	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.3	10.7	39.7	42.7
Freq. (MHz)	4.9	2.8	496.0	500.0
Limit (dB)	57.1	61.5	-22.9	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	10.9	38.8	42.0
Freq. (MHz)	4.9	3.0	467.0	500.0
Limit (dB)	54.6	58.4	-23.5	-26.1

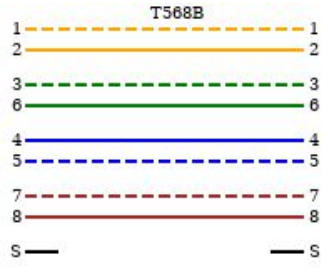
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	3,6
RL (dB)	5.1	5.8	7.2	8.0
Freq. (MHz)	64.0	39.8	489.0	470.0
Limit (dB)	13.9	16.0	6.0	6.0

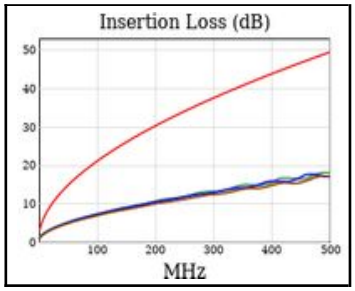
Compliant Network Standards:

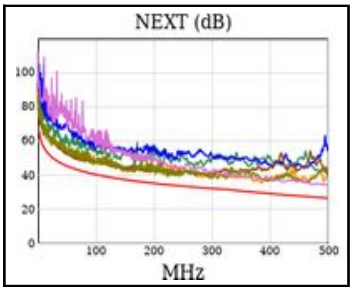
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

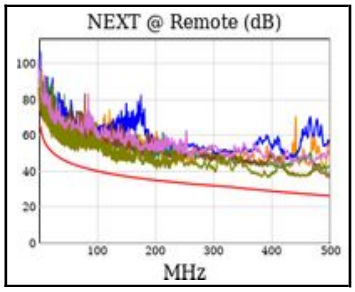


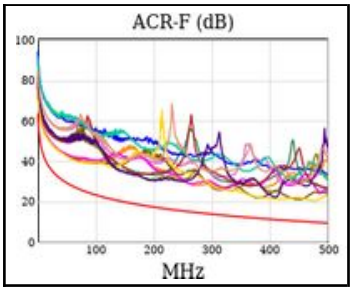
PASS

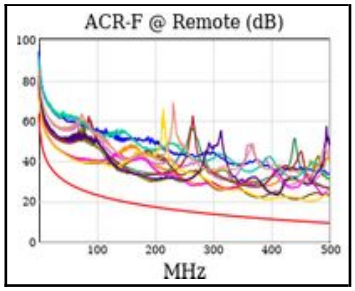


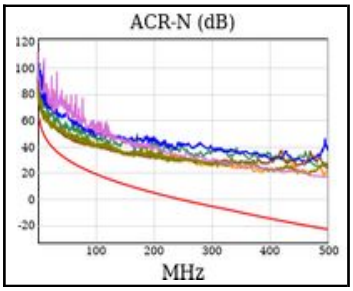


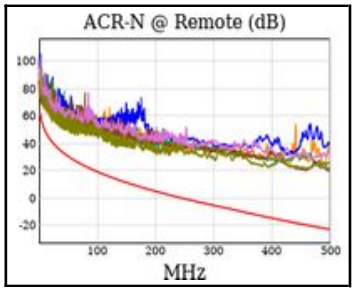


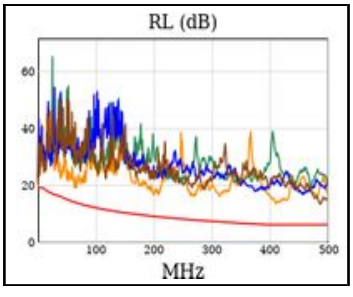


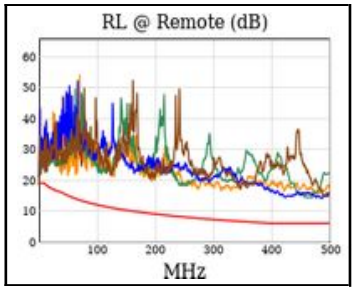












FLUKE networks

LinkWare Live

Cable ID: 151-B

Test Summary: PASS

Date / Time: 12/17/2022 07:31:38 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	202
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	31.0
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	4,5-7,8	3,6-4,5
NEXT (dB)	2.7	4.4	4.0	7.1
Freq. (MHz)	362.0	319.0	499.0	500.0
Limit (dB)	29.9	31.3	26.1	26.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.2	6.7	5.9	8.8
Freq. (MHz)	177.0	5.1	499.0	500.0
Limit (dB)	32.8	58.8	23.3	23.2

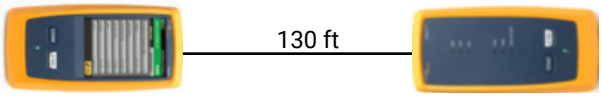
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	10.0	10.3	10.1
Freq. (MHz)	384.0	384.0	387.0	387.0
Limit (dB)	11.6	11.6	11.5	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.5	12.6	14.1
Freq. (MHz)	11.8	8.5	379.0	481.0
Limit (dB)	38.9	41.7	8.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	9.6	10.6	36.2	39.2
Freq. (MHz)	4.8	2.9	498.0	500.0
Limit (dB)	57.3	61.4	-23.1	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.7	9.7	38.2	39.9
Freq. (MHz)	5.0	5.1	500.0	500.0
Limit (dB)	54.3	54.1	-26.1	-26.1

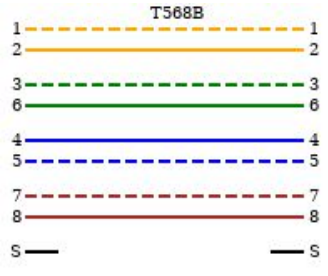
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	4,5
RL (dB)	5.9	5.9	6.9	7.2
Freq. (MHz)	48.3	19.0	398.0	427.0
Limit (dB)	15.2	17.6	6.0	6.0

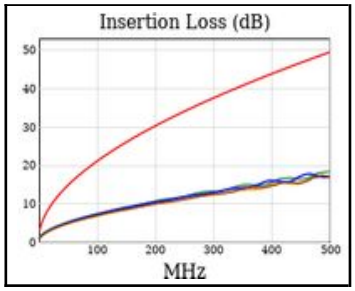
Compliant Network Standards:

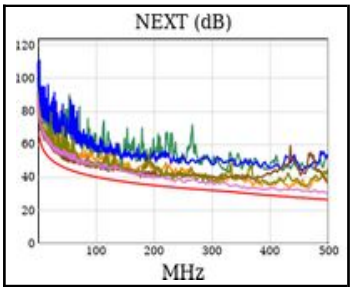
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

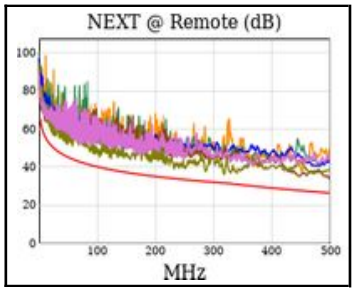


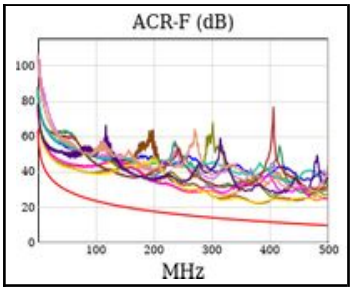
PASS

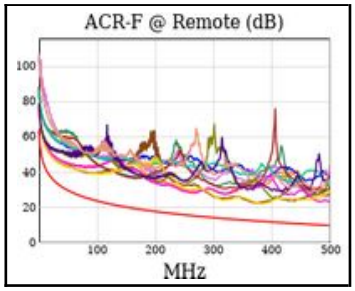


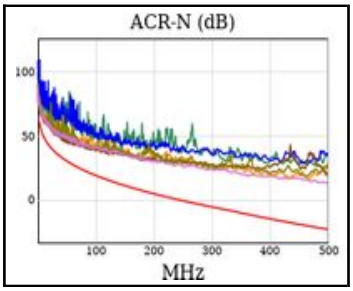


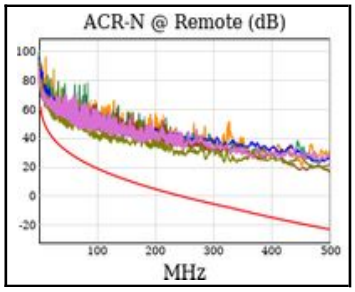


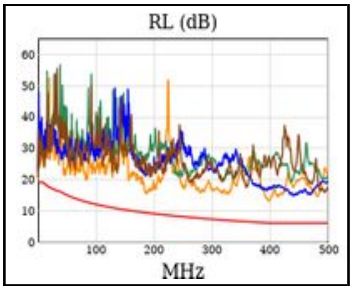


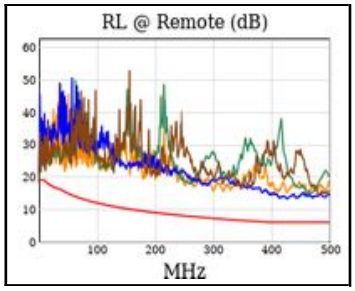












FLUKE networks

LinkWare Live

Cable ID: 150-1-A

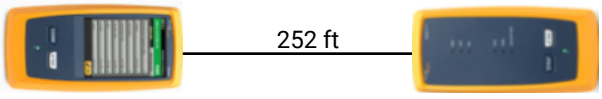
Test Summary: PASS

Date / Time: 12/10/2022 07:03:26 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

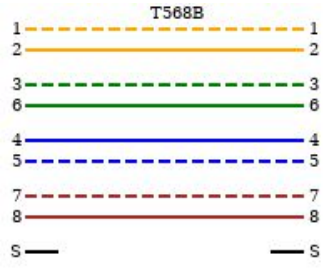
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

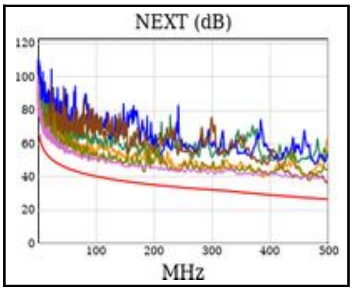
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	397
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 7,8]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	15.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

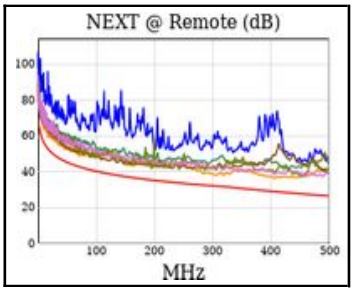


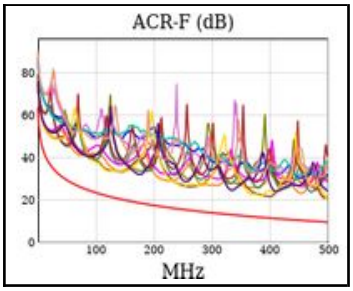
PASS

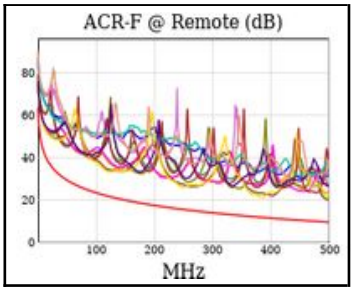


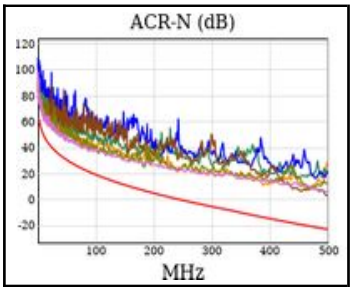


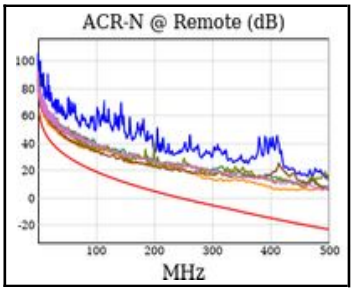


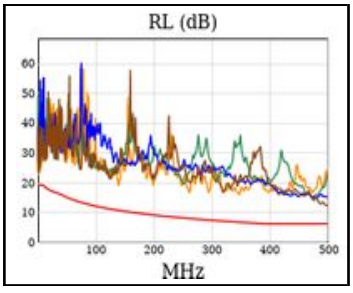


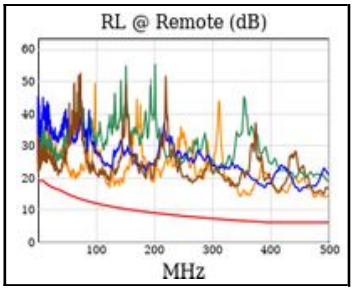












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.4	5.9	9.7	7.4
Freq. (MHz)	185.0	307.0	500.0	408.0
Limit (dB)	35.4	31.6	26.1	28.5
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	8.3	5.4	10.3	9.2
Freq. (MHz)	185.0	155.5	500.0	452.0
Limit (dB)	32.4	33.8	23.2	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.1	9.4	11.1	10.7
Freq. (MHz)	400.0	384.0	500.0	499.0
Limit (dB)	11.2	11.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.8	10.6	12.1
Freq. (MHz)	500.0	2.9	500.0	500.0
Limit (dB)	6.3	51.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.9	9.3	25.8	25.8
Freq. (MHz)	11.4	17.8	500.0	467.0
Limit (dB)	48.8	43.9	-23.2	-20.6
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.9	8.8	26.4	26.4
Freq. (MHz)	5.3	5.1	500.0	490.0
Limit (dB)	53.9	54.1	-26.1	-25.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.6	4.3	6.3	7.8
Freq. (MHz)	6.0	35.3	500.0	493.0
Limit (dB)	19.0	16.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 150-1-B

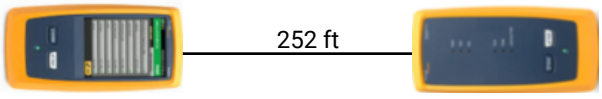
Test Summary: PASS

Date / Time: 12/10/2022 07:03:45 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

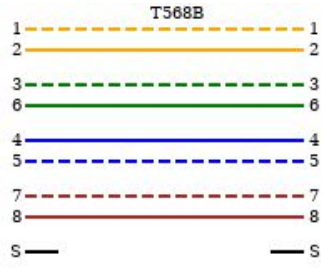
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

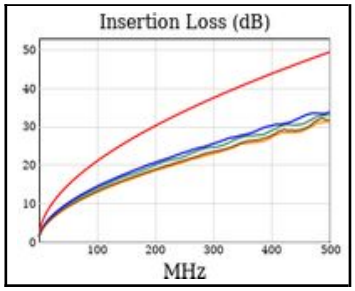
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

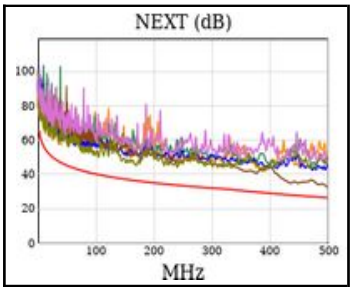
Length (ft), Limit 328	[Pair 1,2]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	398
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	15.6
Insertion Loss Margin (dB)	[Pair 4,5]	15.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

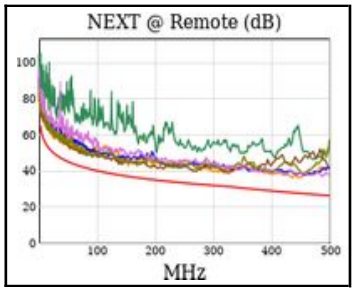


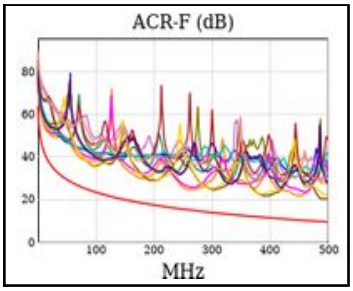
PASS

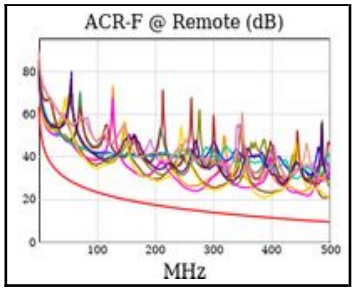


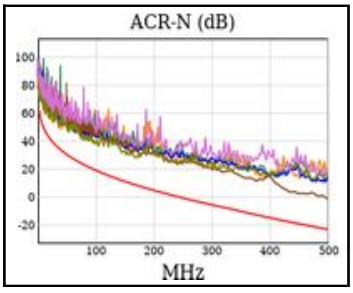


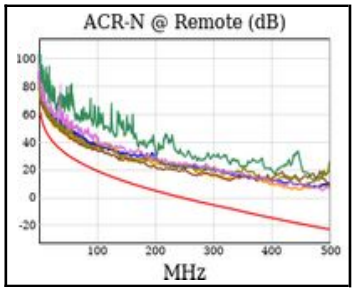


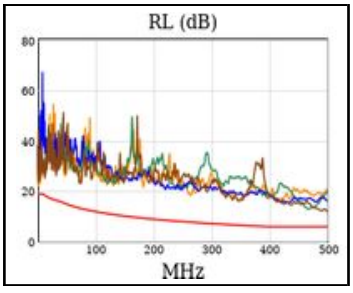


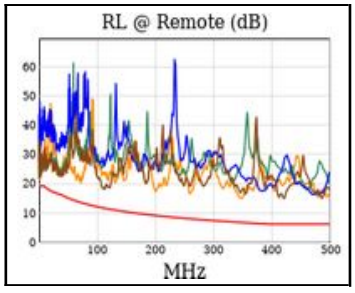












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	6.3	5.9	6.3	8.6
Freq. (MHz)	500.0	138.5	500.0	449.0
Limit (dB)	26.1	37.5	26.1	27.4
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	7.7	5.4	8.9	8.9
Freq. (MHz)	4.0	155.0	500.0	458.0
Limit (dB)	60.5	33.8	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.4	9.1	10.7	11.2
Freq. (MHz)	261.0	272.0	500.0	493.0
Limit (dB)	14.9	14.6	9.3	9.4
Worst Pair	3,6	4,5	4,5	3,6
PS ACR-F (dB)	11.4	11.3	12.9	12.9
Freq. (MHz)	5.8	384.0	489.0	500.0
Limit (dB)	45.1	8.6	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	10.4	8.2	21.8	27.0
Freq. (MHz)	4.0	4.0	500.0	488.0
Limit (dB)	58.9	58.9	-23.2	-22.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.0	7.4	24.5	28.5
Freq. (MHz)	4.0	3.8	500.0	500.0
Limit (dB)	56.4	57.0	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	5.9	4.5	5.9	8.8
Freq. (MHz)	500.0	5.6	500.0	487.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 150-2-A

Test Summary: PASS

Date / Time: 12/10/2022 07:01:26 PM
Headroom: 5.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	201
Prop. Delay (ns), Limit 555	[Pair 4,5]	318
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	13.6
Insertion Loss Margin (dB)	[Pair 3,6]	22.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	4,5-7,8	1,2-3,6
NEXT (dB)	6.5	5.8	10.8	9.1
Freq. (MHz)	161.0	154.5	500.0	457.0
Limit (dB)	36.4	36.7	26.1	27.2
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	6.1	5.3	10.4	7.1
Freq. (MHz)	5.0	155.0	472.0	396.0
Limit (dB)	59.0	33.8	23.9	25.9

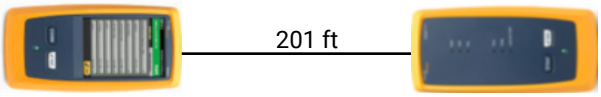
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.9	9.6	9.9
Freq. (MHz)	430.0	449.0	430.0	449.0
Limit (dB)	10.6	10.2	10.6	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.3	10.3	10.3	11.7
Freq. (MHz)	430.0	275.0	430.0	449.0
Limit (dB)	7.6	11.5	7.6	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	4,5-7,8	1,2-3,6
ACR-N (dB)	9.6	9.2	34.2	30.9
Freq. (MHz)	5.0	3.1	500.0	457.0
Limit (dB)	56.9	61.1	-23.2	-19.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.2	7.9	34.0	31.2
Freq. (MHz)	5.0	5.0	500.0	463.0
Limit (dB)	54.3	54.3	-26.1	-23.2

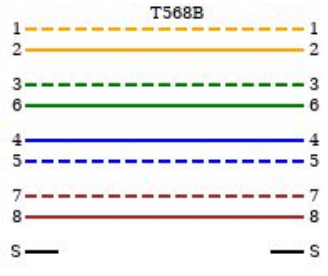
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.1	4.7	7.4	6.5
Freq. (MHz)	9.1	10.6	498.0	497.0
Limit (dB)	19.0	18.9	6.0	6.0

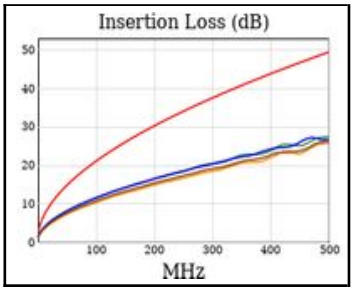
Compliant Network Standards:

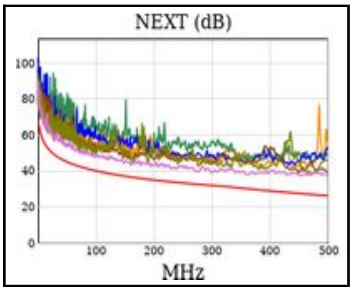
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

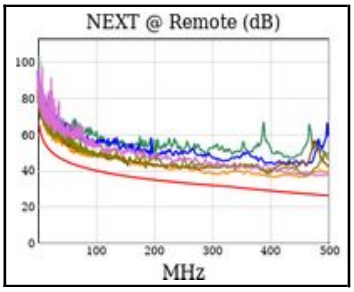


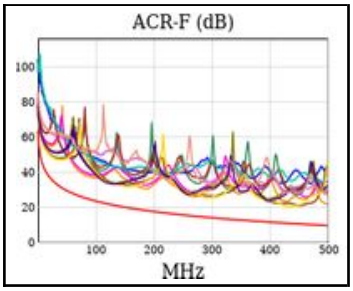
PASS

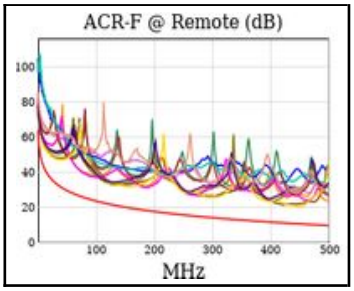


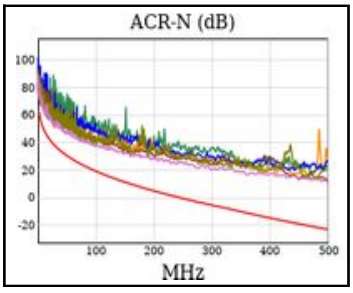


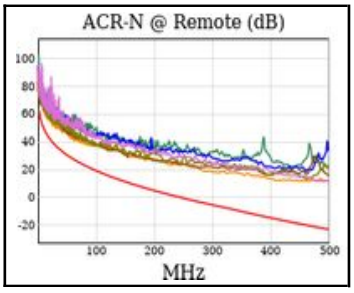


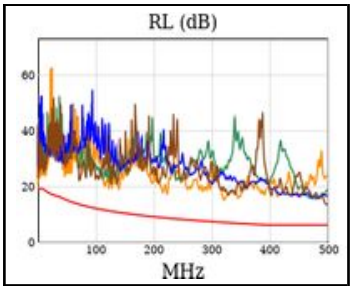


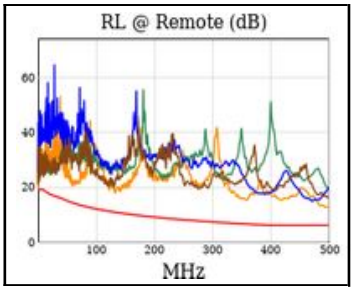












FLUKE networks

LinkWare Live

Cable ID: 150-2-B

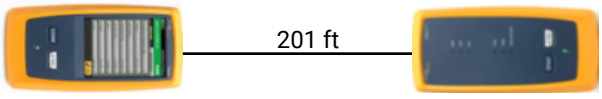
Test Summary: PASS

Date / Time: 12/10/2022 07:01:46 PM
Headroom: 6.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

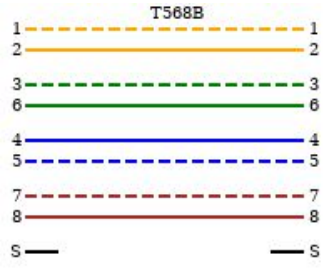
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

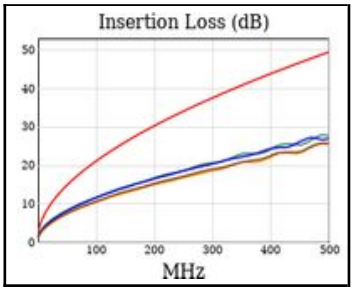
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

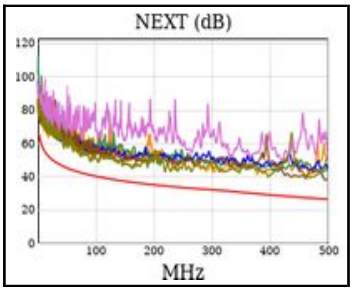
Length (ft), Limit 328	[Pair 1,2]	201
Prop. Delay (ns), Limit 555	[Pair 4,5]	318
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	19.0
Insertion Loss Margin (dB)	[Pair 3,6]	21.4
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

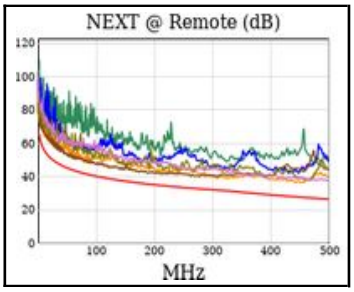


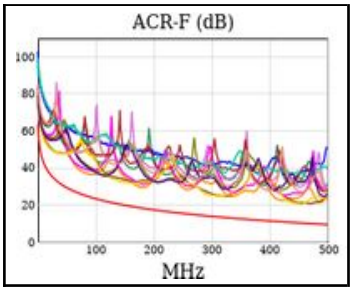
PASS

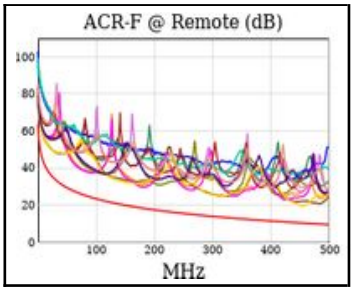


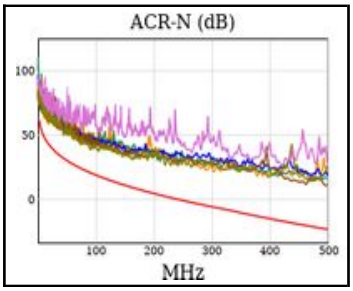


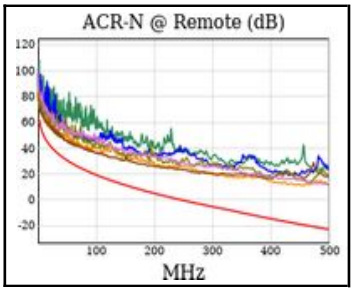


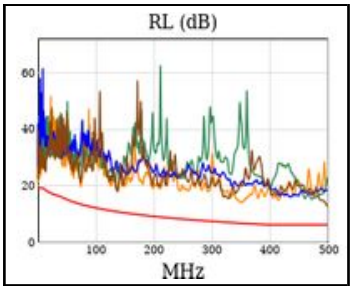


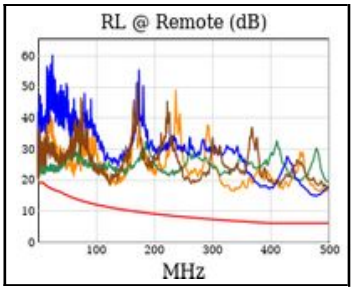












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	7.8	6.4	11.3	8.8
Freq. (MHz)	90.8	174.0	497.0	453.0
Limit (dB)	40.6	35.8	26.2	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.7	6.5	12.1	9.3
Freq. (MHz)	3.3	61.8	471.0	458.0
Limit (dB)	62.0	40.7	23.9	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.1	10.1	9.1
Freq. (MHz)	452.0	455.0	456.0	455.0
Limit (dB)	10.2	10.1	10.1	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.3	11.0	11.8	11.4
Freq. (MHz)	452.0	334.0	490.0	455.0
Limit (dB)	7.2	9.8	6.5	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.3	8.4	33.8	30.7
Freq. (MHz)	3.0	3.1	497.0	458.0
Limit (dB)	61.4	61.1	-23.0	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	8.1	35.0	30.8
Freq. (MHz)	3.1	3.1	496.0	458.0
Limit (dB)	58.3	58.3	-25.8	-22.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	4,5
RL (dB)	6.1	2.7	6.7	8.7
Freq. (MHz)	74.8	10.1	500.0	480.0
Limit (dB)	13.3	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 150-3-A

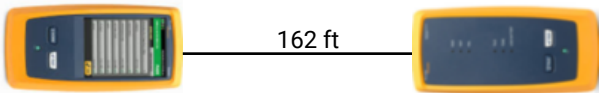
Test Summary: PASS

Date / Time: 12/10/2022 06:59:38 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

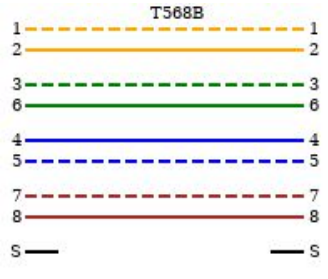
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

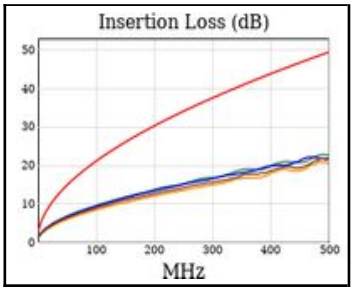
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

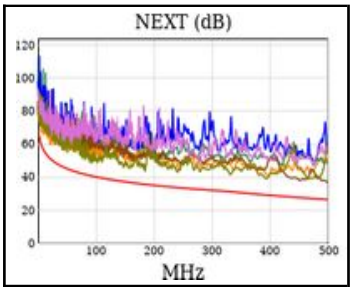
Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	257
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	26.2
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

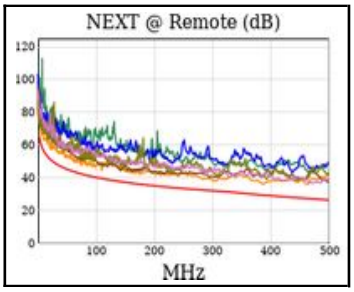


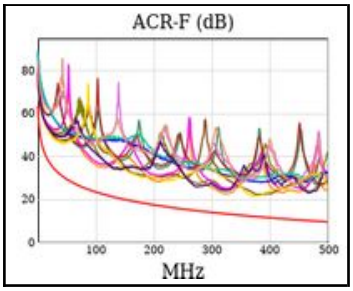
PASS

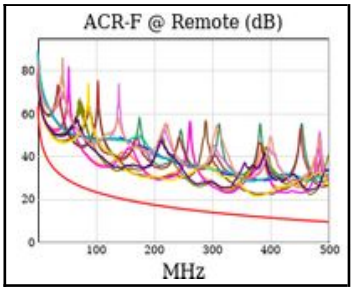


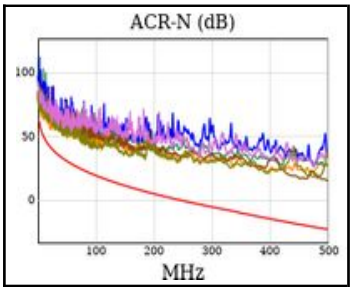


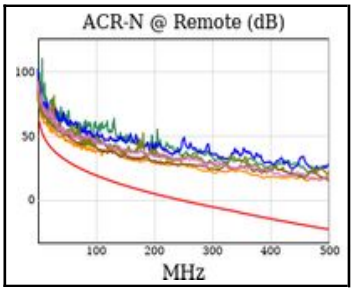


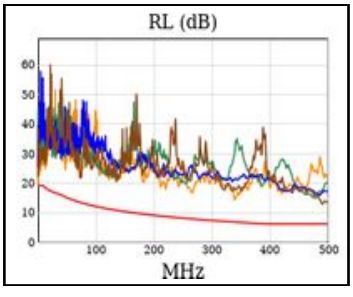


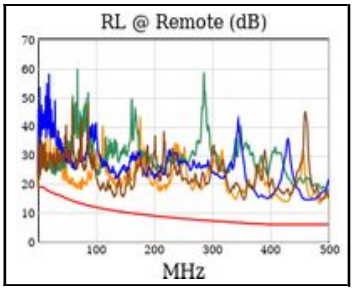












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	4.8	10.4	8.7
Freq. (MHz)	6.4	110.5	500.0	464.0
Limit (dB)	59.8	39.2	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	5.6	11.2	8.7
Freq. (MHz)	4.0	75.5	465.0	460.0
Limit (dB)	60.5	39.2	24.1	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.5	9.6	9.5
Freq. (MHz)	322.0	380.0	380.0	380.0
Limit (dB)	13.1	11.7	11.7	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	9.5	9.8	9.5
Freq. (MHz)	322.0	328.0	328.0	328.0
Limit (dB)	10.1	9.9	9.9	9.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	8.8	37.9	35.0
Freq. (MHz)	6.3	6.4	500.0	464.0
Limit (dB)	54.8	54.6	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	9.0	38.8	38.1
Freq. (MHz)	4.0	6.1	491.0	500.0
Limit (dB)	56.4	52.4	-25.4	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.5	4.7	6.8	7.2
Freq. (MHz)	13.8	131.5	492.0	486.0
Limit (dB)	18.3	10.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 150-3-B

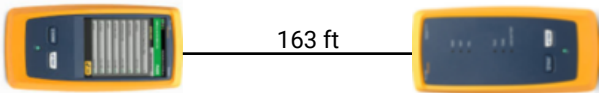
Test Summary: PASS

Date / Time: 12/10/2022 06:59:56 PM
Headroom: 5.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

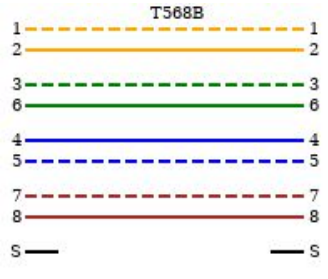
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

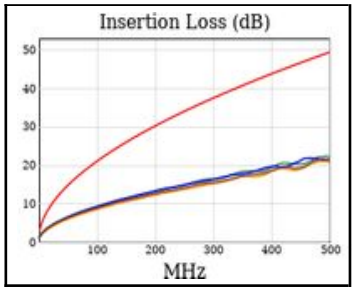
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

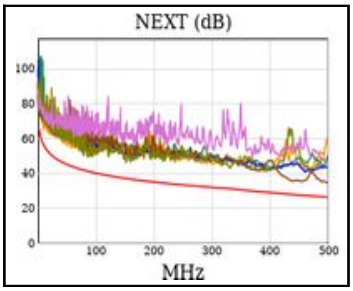
Length (ft), Limit 328	[Pair 1,2]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	256
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	14.1
Insertion Loss Margin (dB)	[Pair 3,6]	26.7
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

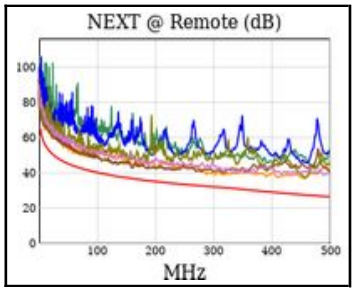


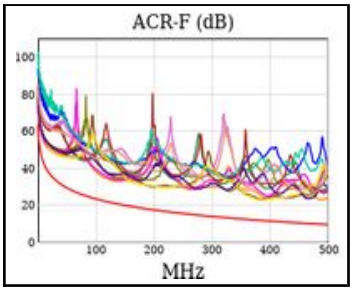
PASS

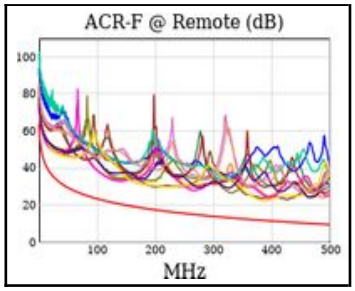


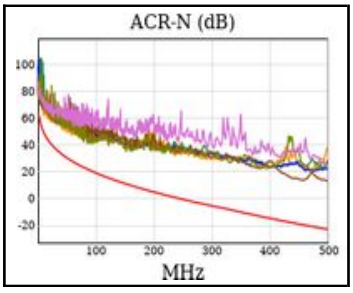


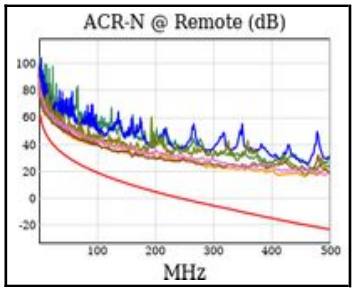


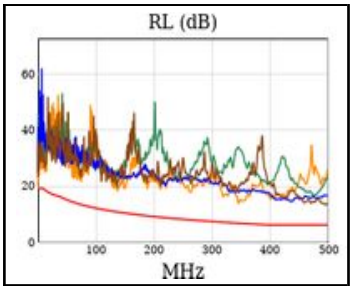


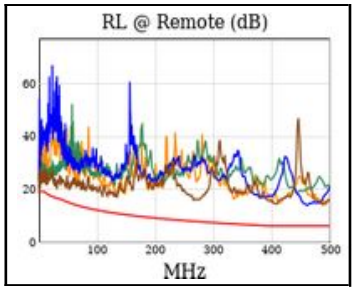












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	5.9	8.4	9.0
Freq. (MHz)	442.0	161.5	500.0	457.0
Limit (dB)	27.6	36.4	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.8	6.0	10.6	9.1
Freq. (MHz)	79.8	161.5	497.0	459.0
Limit (dB)	38.8	33.5	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	11.1	10.6	13.2	10.7
Freq. (MHz)	383.0	389.0	492.0	393.0
Limit (dB)	11.6	11.5	9.4	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	11.9	12.4
Freq. (MHz)	9.0	6.5	407.0	396.0
Limit (dB)	41.2	44.0	8.1	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.7	10.1	36.1	35.8
Freq. (MHz)	3.4	3.8	500.0	458.0
Limit (dB)	60.4	59.5	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	10.6	38.0	35.7
Freq. (MHz)	3.8	8.0	499.0	459.0
Limit (dB)	57.0	49.8	-26.0	-22.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	6.3	3.2	7.1	7.8
Freq. (MHz)	13.4	13.4	496.0	463.0
Limit (dB)	18.4	18.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 150-4-A

Test Summary: PASS

Date / Time: 12/10/2022 06:56:09 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	94
Prop. Delay (ns), Limit 555	[Pair 4,5]	149
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.5
Frequency (MHz)	[Pair 3,6]	487.0
Limit (dB)	[Pair 3,6]	48.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-7,8	1,2-7,8	1,2-3,6
NEXT (dB)	4.7	3.3	7.0	5.2
Freq. (MHz)	172.0	233.5	471.0	450.0
Limit (dB)	35.9	33.6	26.8	27.3
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	5.9	3.7	8.5	5.1
Freq. (MHz)	89.8	213.5	500.0	394.0
Limit (dB)	37.9	31.4	23.2	26.0

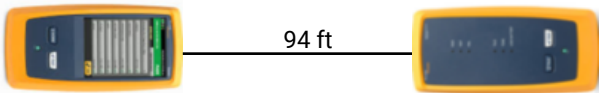
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	1,2-3,6
ACR-F (dB)	9.6	10.1	9.7	10.7
Freq. (MHz)	367.0	376.0	371.0	403.0
Limit (dB)	12.0	11.8	11.9	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.6	11.1	10.9
Freq. (MHz)	1.0	7.8	401.0	394.0
Limit (dB)	60.3	42.5	8.2	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.8	10.1	43.8	39.4
Freq. (MHz)	3.8	3.6	499.0	450.0
Limit (dB)	59.5	59.8	-23.1	-19.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.4	8.9	44.7	41.9
Freq. (MHz)	3.8	3.6	500.0	465.0
Limit (dB)	57.0	57.3	-26.1	-23.3

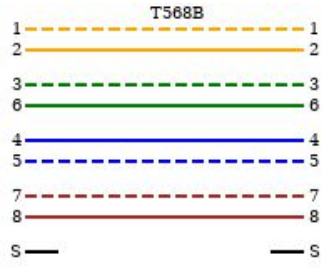
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.9	5.2	5.9	7.5
Freq. (MHz)	500.0	54.8	500.0	492.0
Limit (dB)	6.0	14.6	6.0	6.0

Compliant Network Standards:

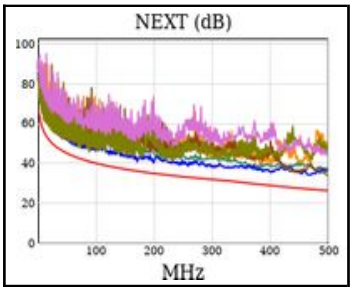
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

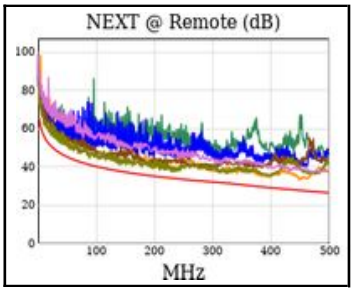


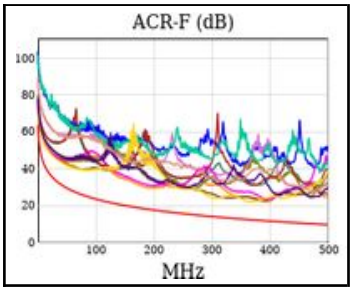
PASS

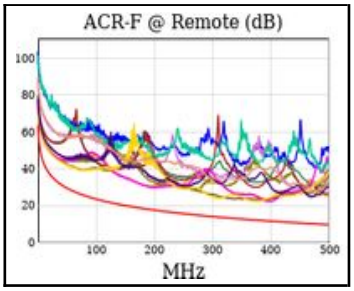


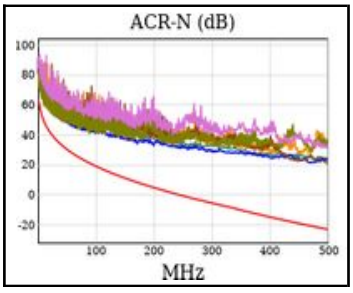


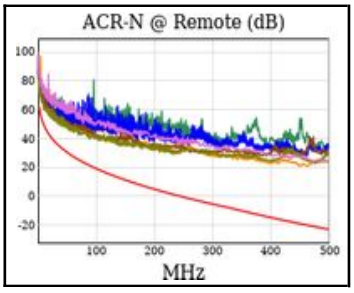


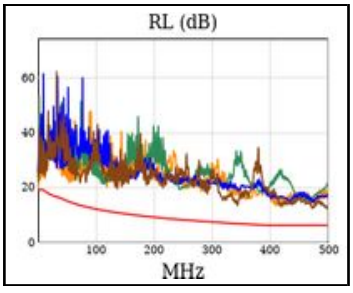


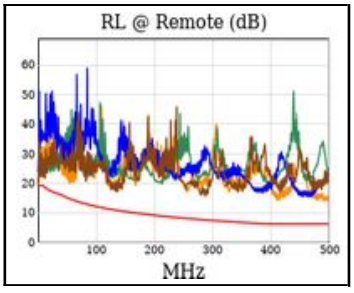












FLUKE networks

LinkWare Live

Cable ID: 150-4-B

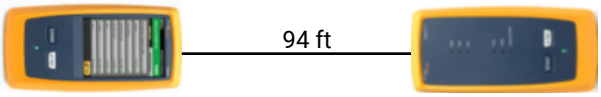
Test Summary: PASS

Date / Time: 12/10/2022 06:56:29 PM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

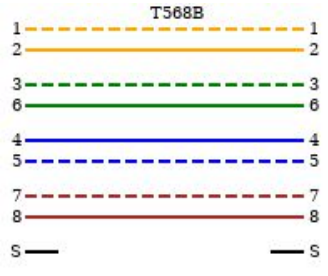
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	94
Prop. Delay (ns), Limit 555	[Pair 4,5]	149
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 4,5]	185.1
Insertion Loss Margin (dB)	[Pair 3,6]	34.9
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	7.0	5.4	8.1	9.5
Freq. (MHz)	159.5	205.5	500.0	484.0
Limit (dB)	36.5	34.6	26.1	26.5
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.9	5.5	10.1	8.8
Freq. (MHz)	42.8	205.0	500.0	460.0
Limit (dB)	43.4	31.7	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	8.9	9.4	8.9
Freq. (MHz)	375.0	382.0	382.0	382.0
Limit (dB)	11.8	11.6	11.6	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.7	10.7	11.3
Freq. (MHz)	1.4	8.8	393.0	396.0
Limit (dB)	57.5	41.4	8.4	8.3

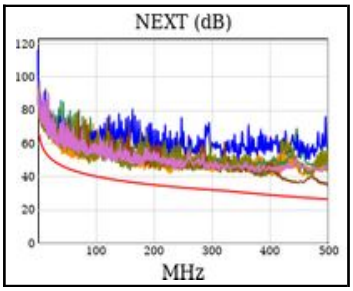
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.1	11.5	44.5	45.1
Freq. (MHz)	2.9	3.1	500.0	484.0
Limit (dB)	61.4	61.1	-23.2	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.6	10.9	46.1	43.5
Freq. (MHz)	3.8	3.6	500.0	460.0
Limit (dB)	57.0	57.3	-26.1	-22.9

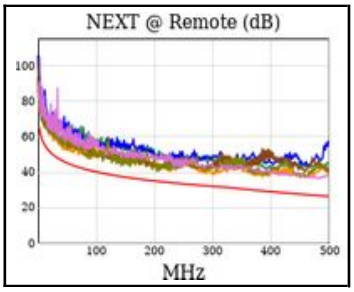
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.9	1.6	4.9	6.0
Freq. (MHz)	58.5	58.5	349.0	417.0
Limit (dB)	14.3	14.3	6.6	6.0

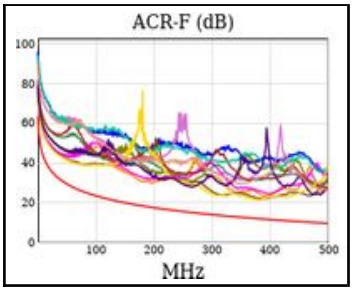
Compliant Network Standards:

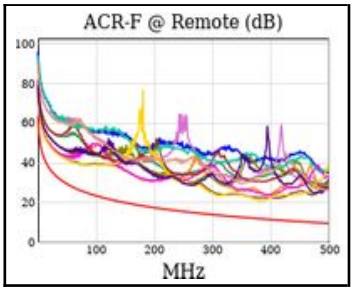
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

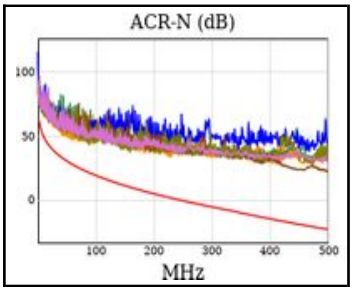


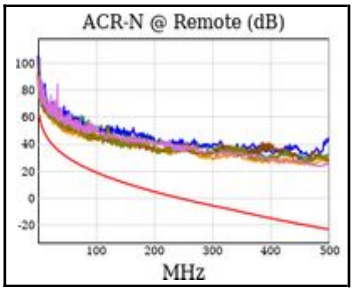


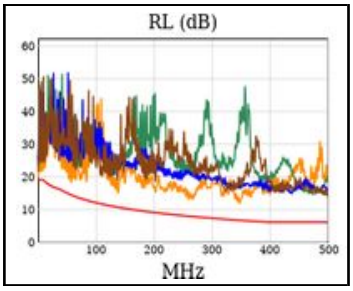


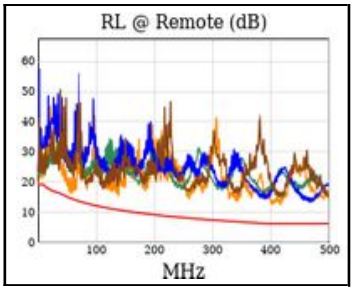












FLUKE networks

LinkWare Live

Cable ID: 15-1-A

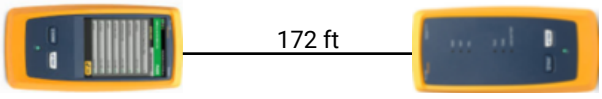
Test Summary: PASS

Date / Time: 11/22/2022 07:47:27 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

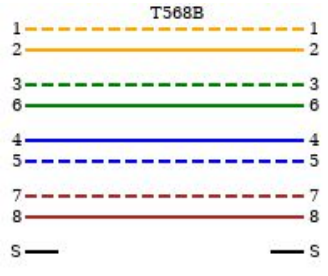
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

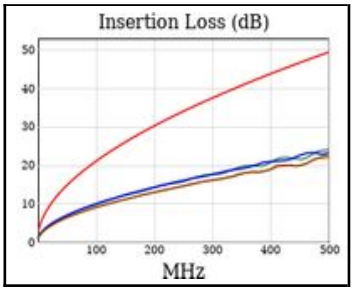
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

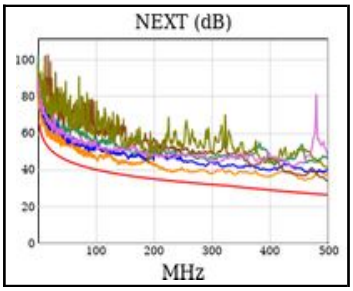
Length (ft), Limit 328	[Pair 1,2]	172
Prop. Delay (ns), Limit 555	[Pair 4,5]	272
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	11.9
Insertion Loss Margin (dB)	[Pair 3,6]	25.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

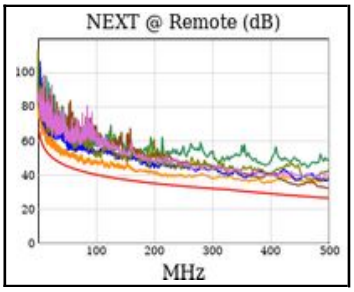


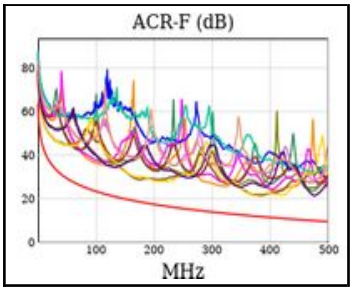
PASS

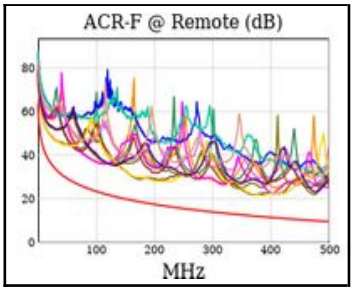


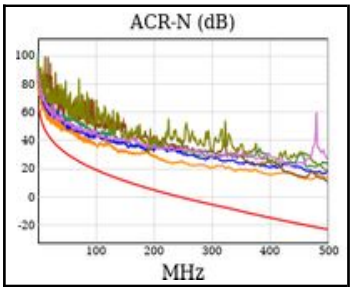


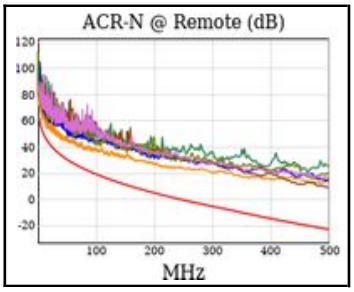


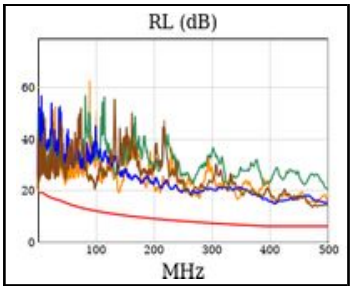


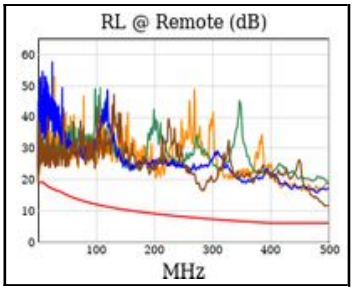












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.5	4.4	7.5	5.7
Freq. (MHz)	103.5	79.0	499.0	499.0
Limit (dB)	39.7	41.7	26.1	26.1
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	6.4	6.4	8.2	7.0
Freq. (MHz)	138.0	209.5	499.0	499.0
Limit (dB)	34.7	31.5	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	3,6-4,5
ACR-F (dB)	9.7	9.7	11.4	9.9
Freq. (MHz)	375.0	371.0	479.0	390.0
Limit (dB)	11.8	11.9	9.7	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.7	10.9	10.7
Freq. (MHz)	403.0	403.0	410.0	403.0
Limit (dB)	8.2	8.2	8.0	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.6	8.4	33.6	31.8
Freq. (MHz)	8.0	7.9	499.0	499.0
Limit (dB)	52.4	52.5	-23.1	-23.1
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	11.0	10.6	33.6	32.4
Freq. (MHz)	7.9	7.9	499.0	499.0
Limit (dB)	50.0	50.0	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.4	5.4	7.6	5.4
Freq. (MHz)	18.3	496.0	475.0	496.0
Limit (dB)	17.7	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 15-1-B

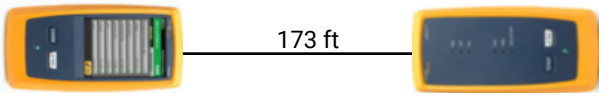
Test Summary: PASS

Date / Time: 11/23/2022 11:34:31 AM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

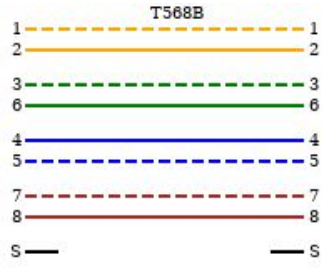
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

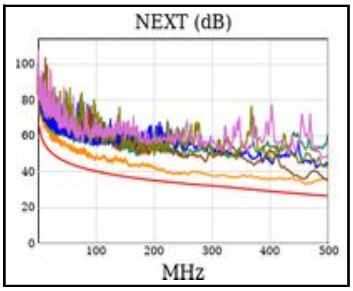
Length (ft), Limit 328	[Pair 1,2]	173
Prop. Delay (ns), Limit 555	[Pair 4,5]	274
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	25.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

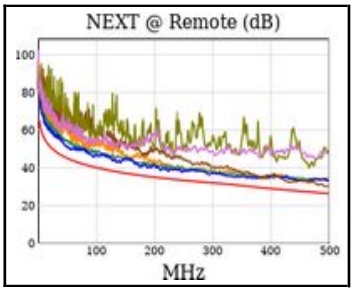


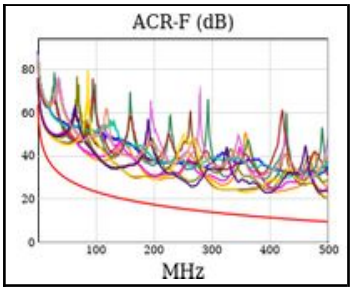
PASS

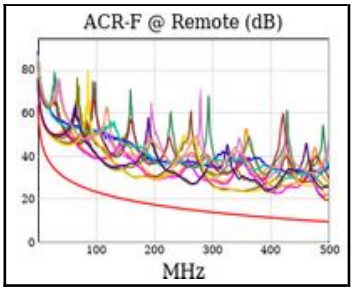


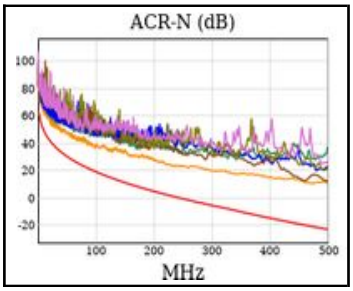


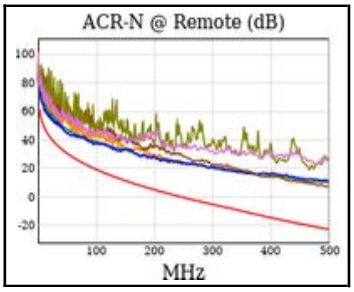


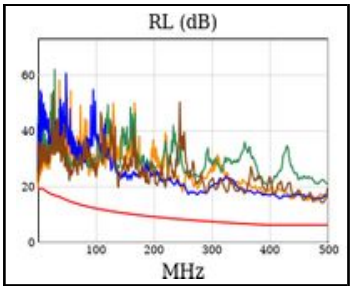


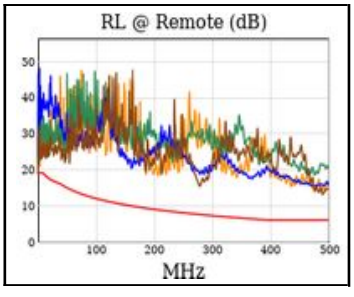












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	3.5	5.9	3.5
Freq. (MHz)	235.0	500.0	465.0	500.0
Limit (dB)	33.6	26.1	27.0	26.1
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	6.8	3.3	6.9	3.6
Freq. (MHz)	461.0	384.0	463.0	465.0
Limit (dB)	24.2	26.3	24.1	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.0	11.0	10.0
Freq. (MHz)	359.0	497.0	500.0	497.0
Limit (dB)	12.2	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.2	11.3	10.3
Freq. (MHz)	6.5	6.4	500.0	495.0
Limit (dB)	44.0	44.2	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.5	10.4	31.5	29.6
Freq. (MHz)	4.0	3.9	474.0	500.0
Limit (dB)	58.9	59.2	-21.2	-23.2
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.6	10.6	33.4	30.2
Freq. (MHz)	4.0	3.9	500.0	500.0
Limit (dB)	56.4	56.7	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.2	4.9	7.9	7.0
Freq. (MHz)	55.3	14.5	491.0	490.0
Limit (dB)	14.6	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 152-1-A

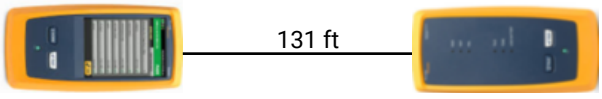
Test Summary: PASS

Date / Time: 12/04/2022 11:17:47 AM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

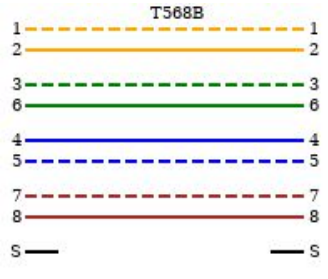
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	131
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 7,8]	8.8
Insertion Loss Margin (dB)	[Pair 3,6]	30.8
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS

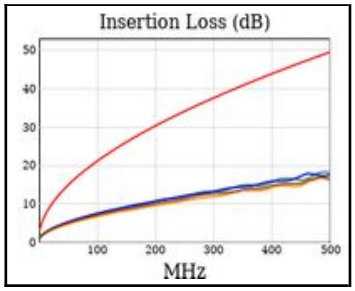


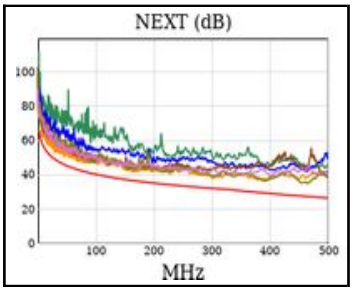
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.6	3.8	7.4	3.9
Freq. (MHz)	7.9	7.9	465.0	500.0
Limit (dB)	58.3	58.3	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.0	5.8	8.5	6.3
Freq. (MHz)	81.0	30.0	465.0	500.0
Limit (dB)	38.7	46.0	24.1	23.2

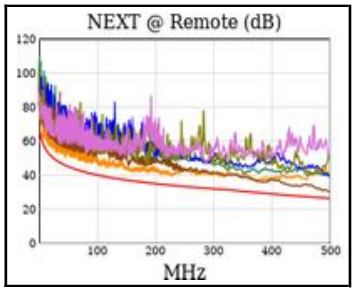
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.4	10.4	10.4
Freq. (MHz)	452.0	434.0	461.0	452.0
Limit (dB)	10.2	10.5	10.0	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.5	11.0	10.7	11.9
Freq. (MHz)	398.0	398.0	405.0	452.0
Limit (dB)	8.3	8.3	8.1	7.2

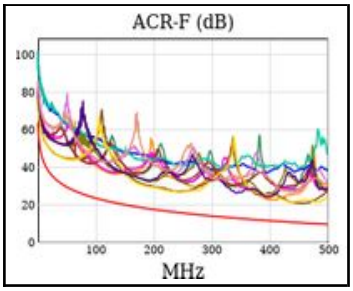
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	7.4	7.6	38.7	35.7
Freq. (MHz)	7.9	7.9	465.0	500.0
Limit (dB)	52.5	52.5	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	9.8	39.3	37.6
Freq. (MHz)	7.9	7.9	465.0	500.0
Limit (dB)	50.0	50.0	-23.3	-26.1

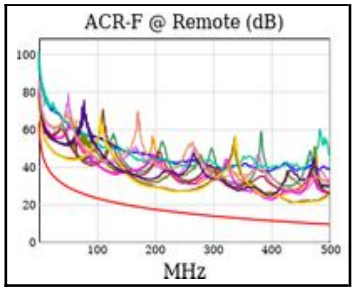
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.7	6.4	5.7	6.8
Freq. (MHz)	492.0	66.5	492.0	464.0
Limit (dB)	6.0	13.8	6.0	6.0

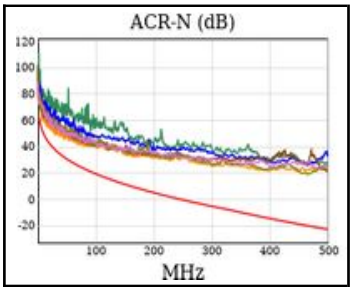


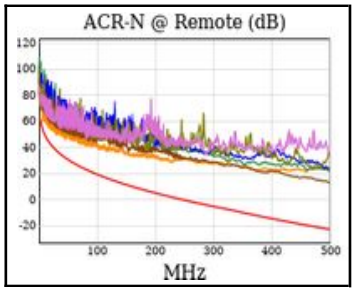


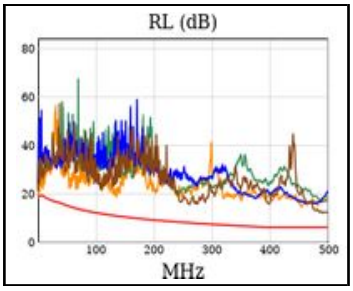


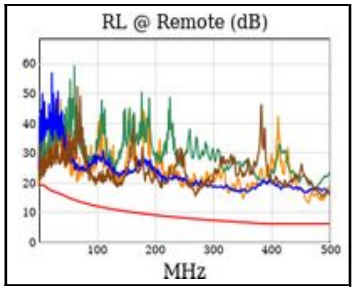












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 152-1-B

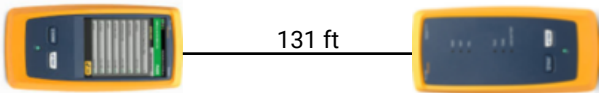
Test Summary: PASS

Date / Time: 12/04/2022 11:18:15 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

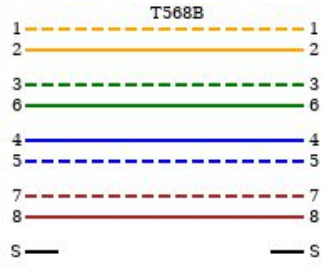
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

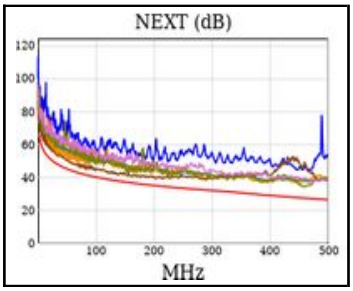
Length (ft), Limit 328	[Pair 1,2]	131
Prop. Delay (ns), Limit 555	[Pair 4,5]	207
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

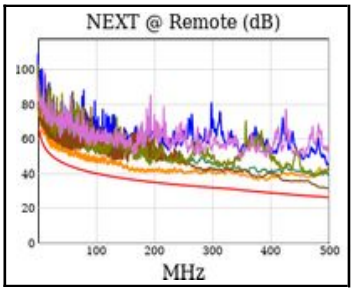


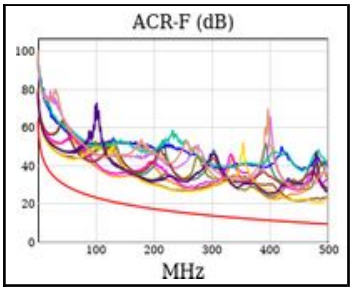
PASS

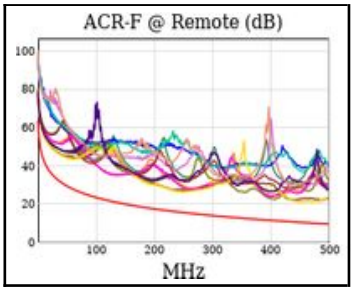


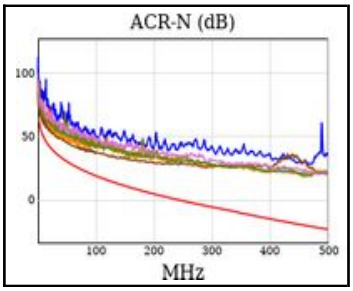


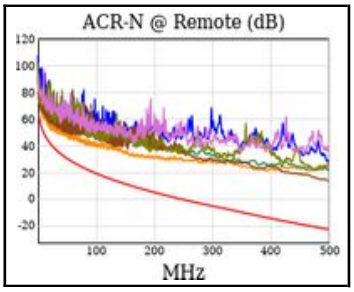


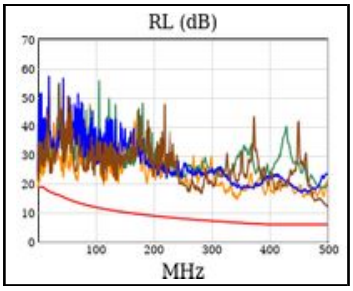


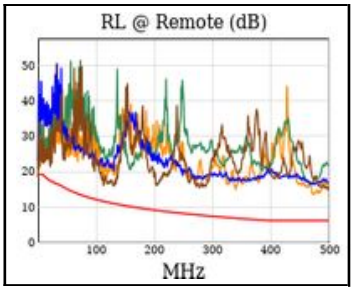












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.2	4.3	7.0	5.1
Freq. (MHz)	83.5	24.5	462.0	499.0
Limit (dB)	41.3	50.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	5.7	7.7	7.0
Freq. (MHz)	83.8	24.6	456.0	499.0
Limit (dB)	38.4	47.5	24.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.5	10.9	10.7
Freq. (MHz)	240.0	242.5	484.0	454.0
Limit (dB)	15.7	15.6	9.6	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.4	11.4	11.6
Freq. (MHz)	259.0	402.0	410.0	408.0
Limit (dB)	12.0	8.2	8.0	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.6	9.2	38.5	36.8
Freq. (MHz)	4.6	5.5	462.0	499.0
Limit (dB)	57.6	56.0	-20.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	9.8	38.7	38.2
Freq. (MHz)	4.9	5.1	470.0	499.0
Limit (dB)	54.6	54.1	-23.7	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.0	4.0	6.0	7.1
Freq. (MHz)	499.0	21.8	499.0	475.0
Limit (dB)	6.0	17.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 153-A

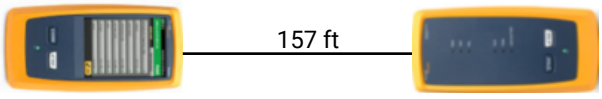
Test Summary: PASS

Date / Time: 12/04/2022 12:35:39 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

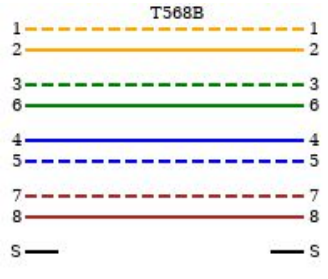
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

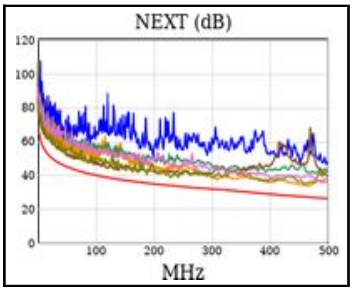
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	27.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

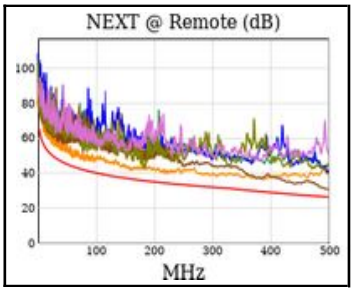


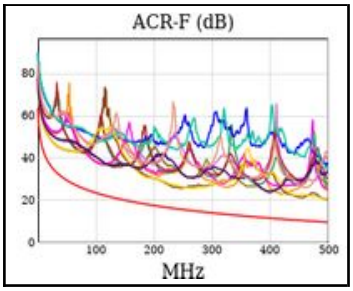
PASS

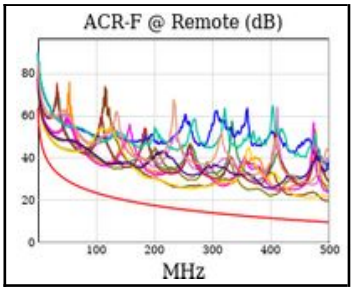


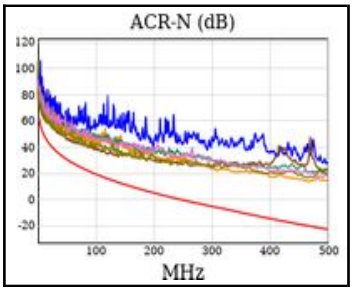


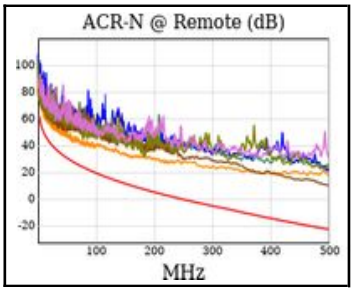


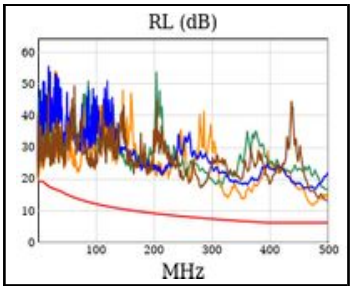


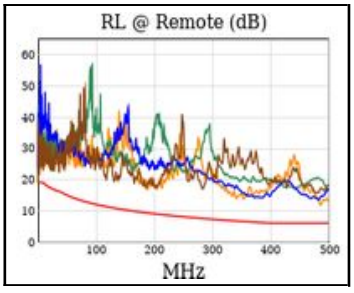












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.6	4.4	6.5	4.5
Freq. (MHz)	229.0	497.0	466.0	499.0
Limit (dB)	33.8	26.2	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	6.1	7.0	6.6
Freq. (MHz)	207.5	183.0	466.0	498.0
Limit (dB)	31.6	32.5	24.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	10.0	10.7	10.0
Freq. (MHz)	248.5	496.0	500.0	496.0
Limit (dB)	15.4	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	10.8	12.6	10.8
Freq. (MHz)	9.1	500.0	496.0	500.0
Limit (dB)	41.1	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	11.2	34.1	33.0
Freq. (MHz)	3.9	10.8	470.0	500.0
Limit (dB)	59.2	49.4	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	12.6	34.6	34.1
Freq. (MHz)	6.1	14.4	467.0	496.0
Limit (dB)	52.4	43.6	-23.5	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	5.6	5.4	5.6
Freq. (MHz)	476.0	487.0	476.0	487.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 153-B

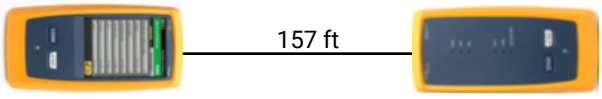
Test Summary: PASS

Date / Time: 12/04/2022 12:41:05 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

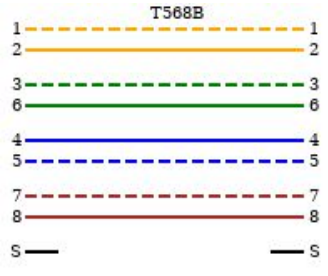
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

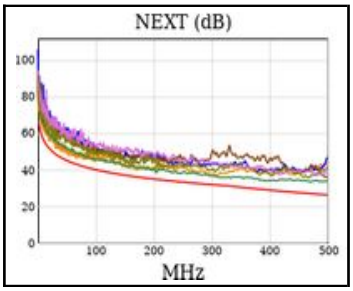
Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	250
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	27.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

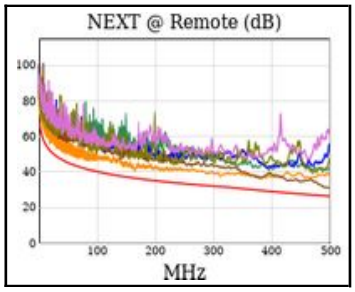


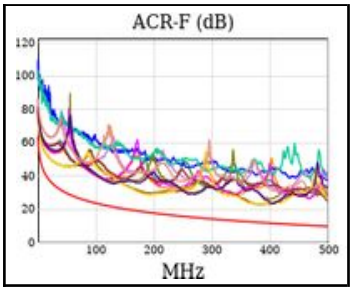
PASS

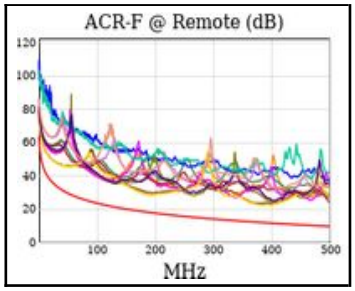


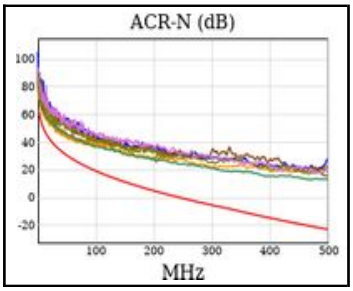


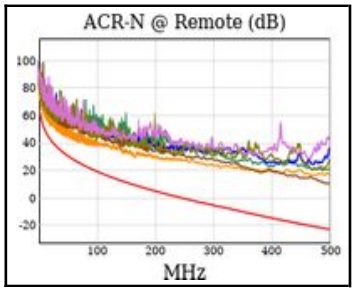


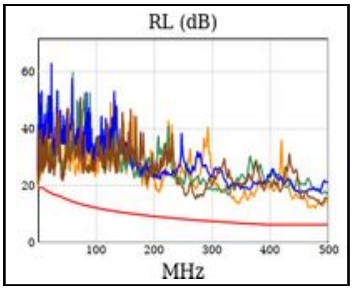


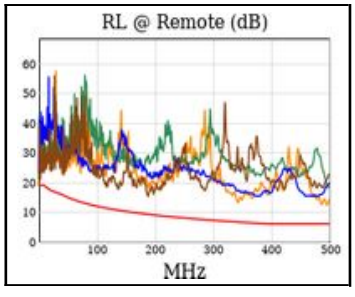












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
NEXT (dB)	3.0	3.4	6.4	4.6
Freq. (MHz)	53.5	165.5	470.0	497.0
Limit (dB)	44.5	36.2	26.8	26.2
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	3.8	5.3	7.3	6.3
Freq. (MHz)	147.5	165.5	494.0	492.0
Limit (dB)	34.2	33.3	23.4	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.2	10.8	10.5
Freq. (MHz)	190.5	190.5	385.0	398.0
Limit (dB)	17.7	17.7	11.5	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	12.2	11.6	12.2
Freq. (MHz)	403.0	401.0	404.0	401.0
Limit (dB)	8.2	8.2	8.1	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
ACR-N (dB)	7.6	8.1	33.3	33.1
Freq. (MHz)	4.4	4.4	470.0	497.0
Limit (dB)	58.1	58.1	-20.8	-23.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.5	9.2	36.2	34.0
Freq. (MHz)	4.3	4.4	500.0	493.0
Limit (dB)	55.8	55.6	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.7	5.9	5.8	6.2
Freq. (MHz)	43.8	188.0	480.0	496.0
Limit (dB)	15.6	9.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 154-1-A

Test Summary: PASS

Date / Time: 12/04/2022 11:21:38 AM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	105
Prop. Delay (ns), Limit 555	[Pair 4,5]	167
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	34.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	4.1	7.5	5.3
Freq. (MHz)	6.9	6.8	458.0	500.0
Limit (dB)	59.2	59.4	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.6	5.7	8.1	7.8
Freq. (MHz)	6.3	6.9	462.0	500.0
Limit (dB)	57.4	56.7	24.1	23.2

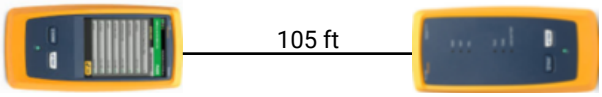
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.0	13.6	13.0
Freq. (MHz)	314.0	314.0	500.0	500.0
Limit (dB)	13.3	13.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	11.0	13.9
Freq. (MHz)	321.0	10.0	333.0	500.0
Limit (dB)	10.1	40.3	9.8	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	7.8	8.1	42.1	40.3
Freq. (MHz)	7.0	6.8	466.0	500.0
Limit (dB)	53.7	54.0	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.7	42.0	42.2
Freq. (MHz)	6.3	6.9	462.0	500.0
Limit (dB)	52.2	51.3	-23.1	-26.1

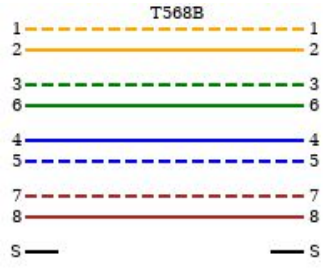
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.9	4.5	4.9	6.3
Freq. (MHz)	141.0	103.5	494.0	480.0
Limit (dB)	10.5	11.9	6.0	6.0

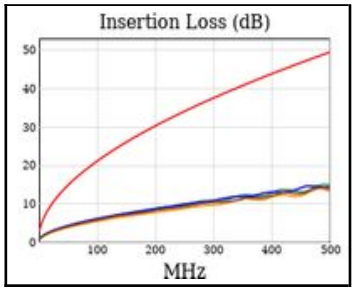
Compliant Network Standards:

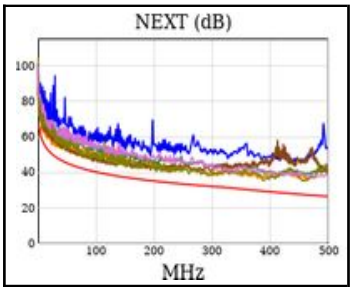
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

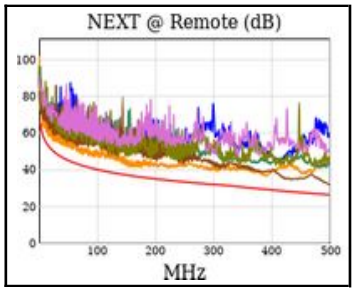


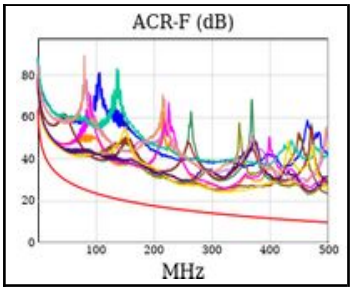
PASS

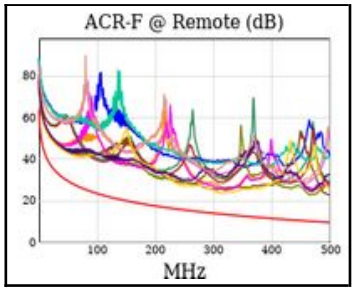


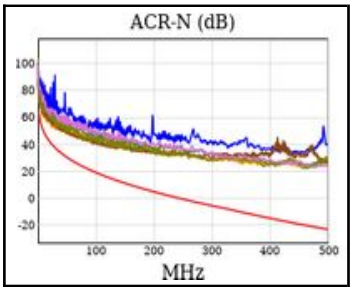


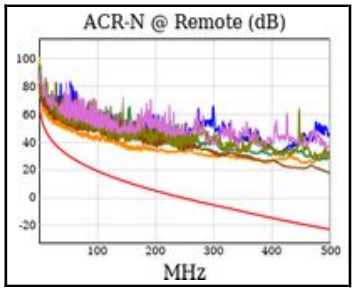


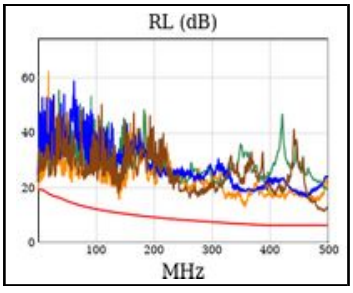


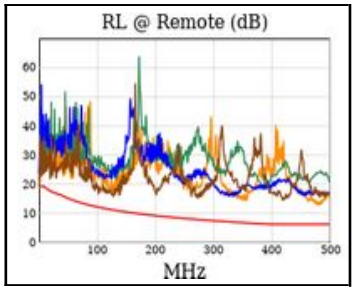












FLUKE networks

LinkWare Live

Cable ID: 154-1-B

Test Summary: PASS

Date / Time: 12/04/2022 11:22:01 AM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	106
Prop. Delay (ns), Limit 555	[Pair 4,5]	168
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	33.6
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	5.0	8.3	5.2
Freq. (MHz)	54.8	490.0	462.0	500.0
Limit (dB)	44.3	26.3	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.0	8.6	6.8
Freq. (MHz)	158.0	44.5	462.0	494.0
Limit (dB)	33.6	43.1	24.1	23.4

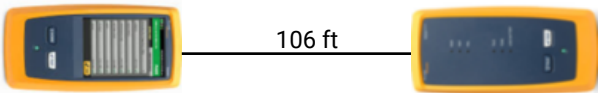
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.8	10.8	11.6	10.8
Freq. (MHz)	302.0	500.0	500.0	500.0
Limit (dB)	13.7	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.8	12.1	11.8
Freq. (MHz)	251.0	493.0	500.0	493.0
Limit (dB)	12.3	6.4	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.4	8.7	44.5	40.1
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	60.4	60.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	9.4	44.0	40.4
Freq. (MHz)	3.4	3.4	500.0	494.0
Limit (dB)	57.9	57.9	-26.1	-25.6

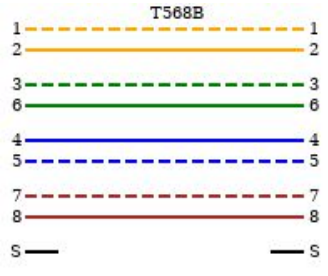
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.8	4.4	5.8	6.7
Freq. (MHz)	487.0	115.5	487.0	478.0
Limit (dB)	6.0	11.4	6.0	6.0

Compliant Network Standards:

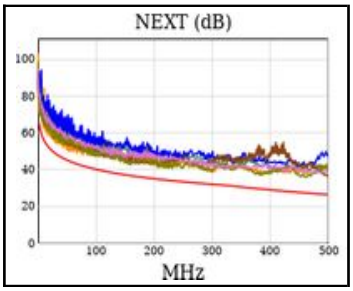
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

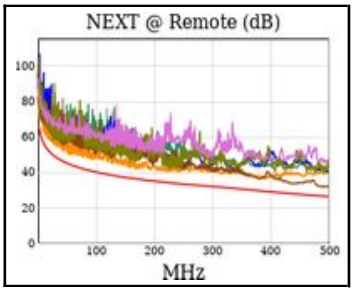


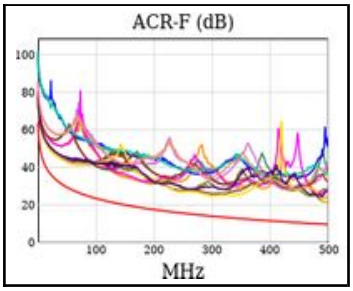
PASS

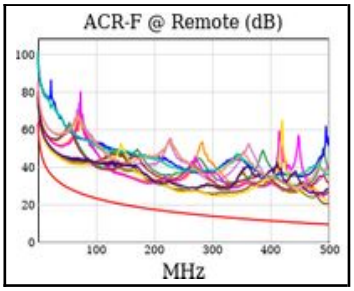


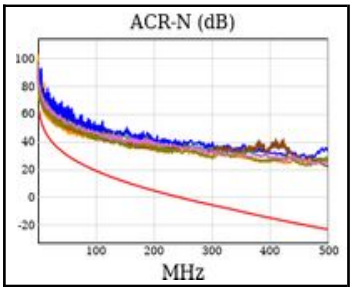


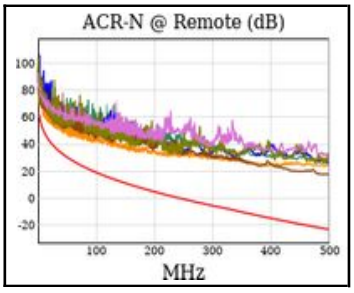


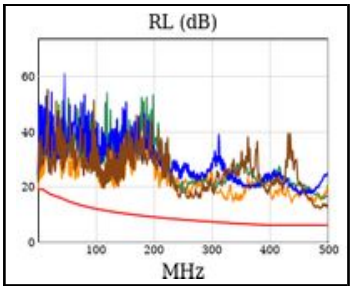


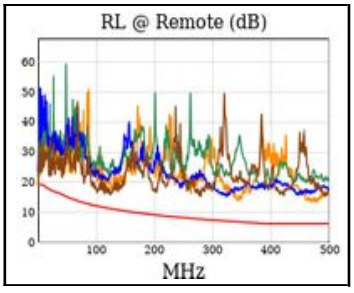












FLUKE networks

LinkWare Live

Cable ID: 154-2-A

Test Summary: PASS

Date / Time: 12/04/2022 11:24:05 AM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	82
Prop. Delay (ns), Limit 555	[Pair 4,5]	129
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.0	2.6	5.2	3.5
Freq. (MHz)	64.3	161.5	461.0	500.0
Limit (dB)	43.2	36.4	27.1	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	3.9	3.9	6.4	5.4
Freq. (MHz)	64.5	161.0	461.0	500.0
Limit (dB)	40.4	33.5	24.2	23.2

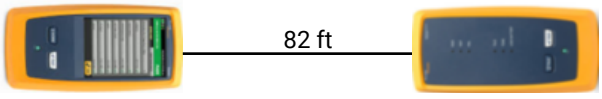
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.6	10.7	10.6	11.5
Freq. (MHz)	487.0	391.0	487.0	488.0
Limit (dB)	9.5	11.4	9.5	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.5	9.6	11.4
Freq. (MHz)	488.0	1.0	488.0	484.0
Limit (dB)	6.5	60.3	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	10.3	10.3	42.6	41.7
Freq. (MHz)	3.5	8.8	470.0	500.0
Limit (dB)	60.1	51.5	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	10.2	43.5	42.5
Freq. (MHz)	3.5	3.9	470.0	500.0
Limit (dB)	57.6	56.7	-23.7	-26.1

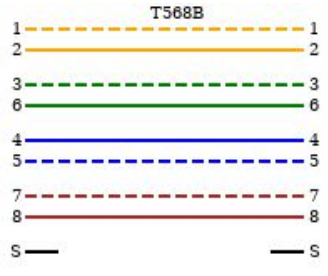
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.5	1.5	6.1	6.1
Freq. (MHz)	119.0	118.5	498.0	489.0
Limit (dB)	11.2	11.3	6.0	6.0

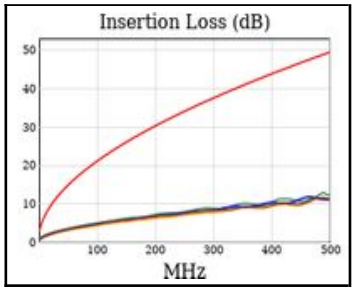
Compliant Network Standards:

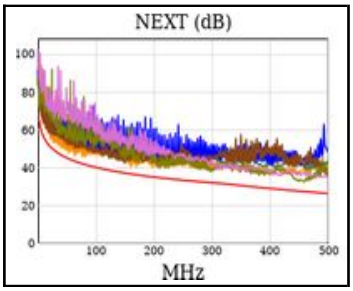
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

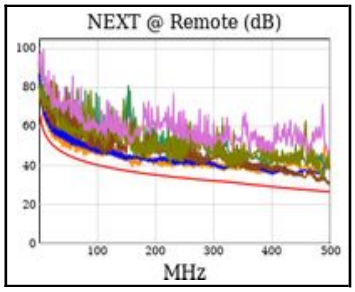


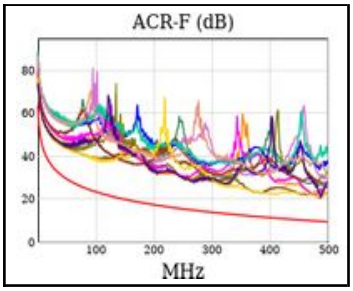
PASS

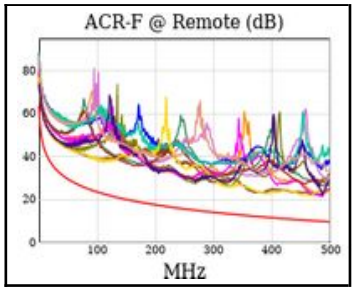


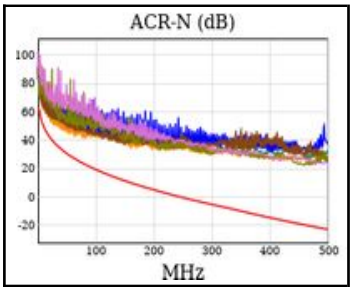


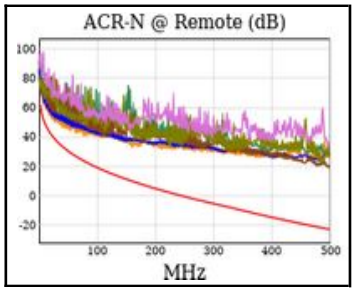


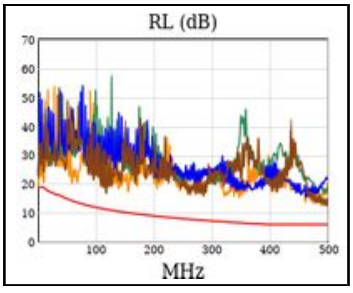


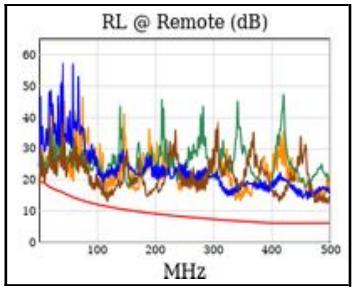












FLUKE networks

LinkWare Live

Cable ID: 154-2-B

Test Summary: PASS

Date / Time: 12/04/2022 11:25:09 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	82
Prop. Delay (ns), Limit 555	[Pair 4,5]	130
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	36.1
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.3	3.2	4.8	5.3
Freq. (MHz)	164.0	164.5	459.0	495.0
Limit (dB)	36.3	36.2	27.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.5	4.8	6.2	6.8
Freq. (MHz)	159.0	159.5	459.0	490.0
Limit (dB)	33.6	33.6	24.2	23.5

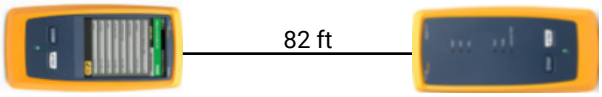
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.8	9.7	9.9
Freq. (MHz)	473.0	473.0	482.0	474.0
Limit (dB)	9.8	9.8	9.6	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.3	10.4	11.2	12.4
Freq. (MHz)	1.0	1.1	482.0	474.0
Limit (dB)	60.3	59.2	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.9	9.1	42.0	43.1
Freq. (MHz)	4.4	4.4	468.0	495.0
Limit (dB)	58.1	58.1	-20.7	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.7	44.4	42.7
Freq. (MHz)	4.0	3.9	499.0	490.0
Limit (dB)	56.4	56.7	-26.0	-25.3

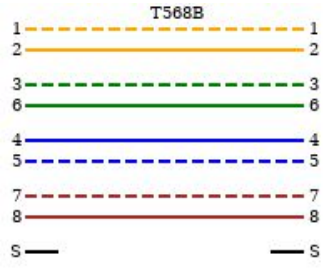
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.2	2.9	6.6	6.3
Freq. (MHz)	131.0	121.0	499.0	486.0
Limit (dB)	10.8	11.2	6.0	6.0

Compliant Network Standards:

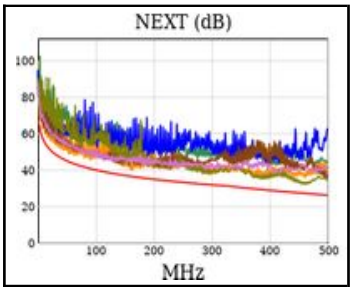
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

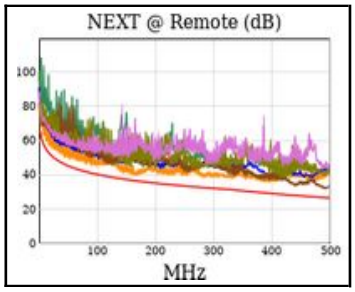


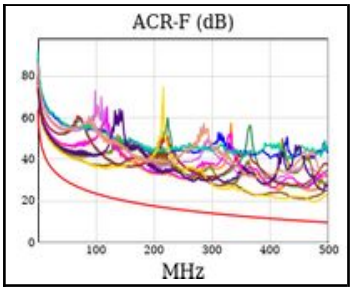
PASS

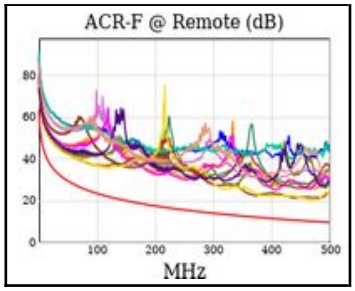


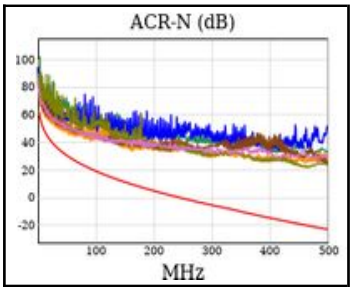


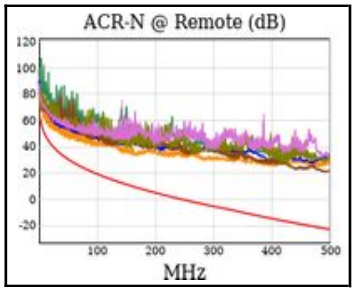


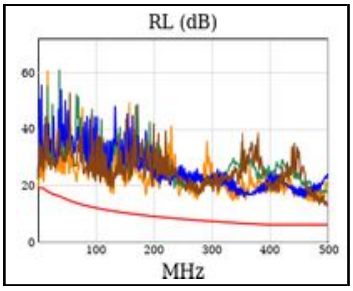


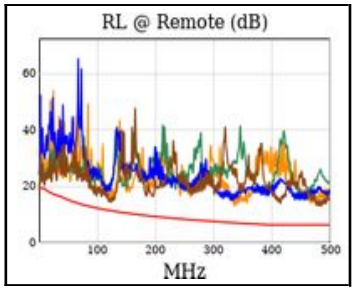












FLUKE networks

LinkWare Live

Cable ID: 152-2-A

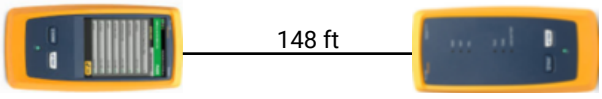
Test Summary: PASS

Date / Time: 12/03/2022 05:49:55 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

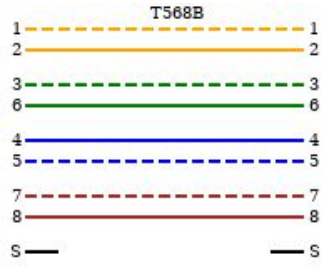
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

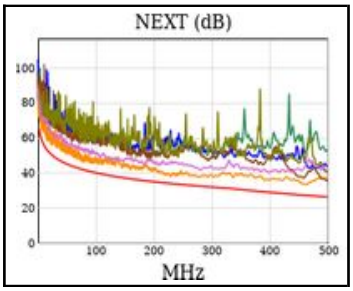
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	235
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

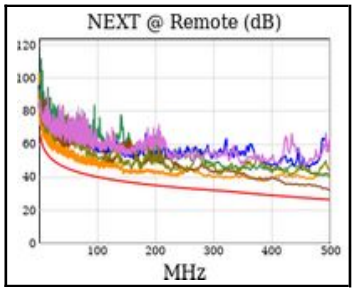


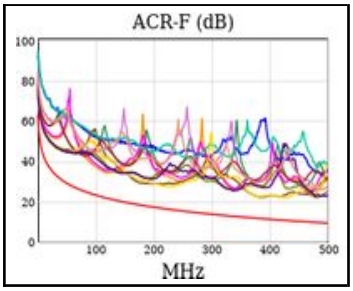
PASS

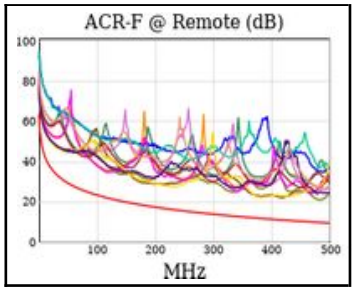


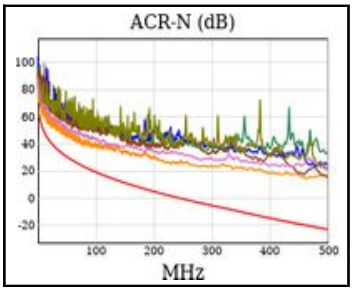


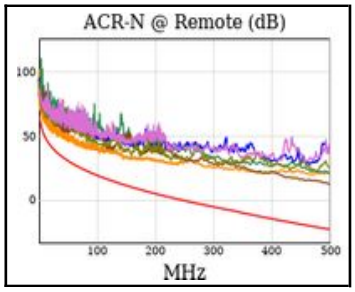


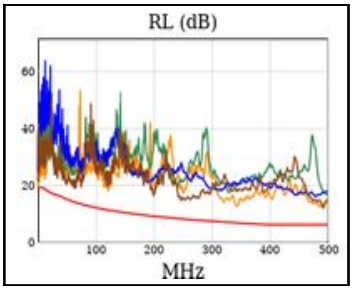


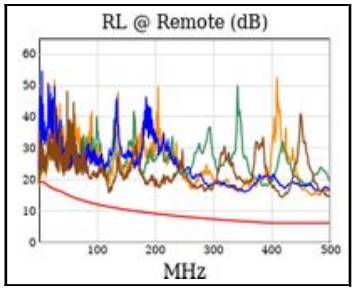












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	4.4	6.2	5.5
Freq. (MHz)	229.5	145.5	465.0	500.0
Limit (dB)	33.8	37.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.7	6.2	7.5	7.8
Freq. (MHz)	229.5	160.0	460.0	500.0
Limit (dB)	30.8	33.5	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	7,8-3,6
ACR-F (dB)	10.6	10.4	11.3	11.1
Freq. (MHz)	384.0	384.0	429.0	483.0
Limit (dB)	11.6	11.6	10.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.5	12.6	12.0
Freq. (MHz)	12.3	7.4	479.0	477.0
Limit (dB)	38.5	42.9	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.8	8.4	34.7	34.9
Freq. (MHz)	2.5	2.5	465.0	500.0
Limit (dB)	61.7	61.7	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	10.4	37.4	36.5
Freq. (MHz)	4.5	4.6	500.0	500.0
Limit (dB)	55.3	55.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	7,8
RL (dB)	4.9	3.7	5.8	8.2
Freq. (MHz)	64.0	12.0	493.0	420.0
Limit (dB)	13.9	18.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 152-2-B

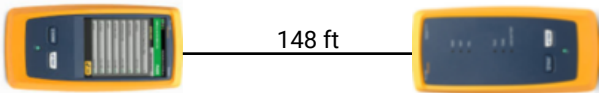
Test Summary: PASS

Date / Time: 12/03/2022 05:48:07 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON IDF

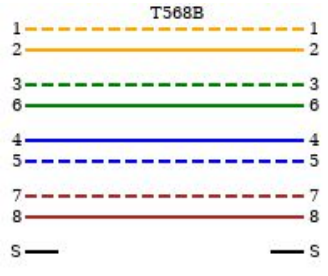
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

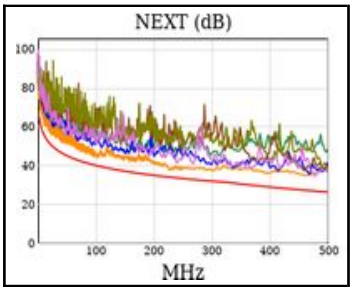
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	16.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.9
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

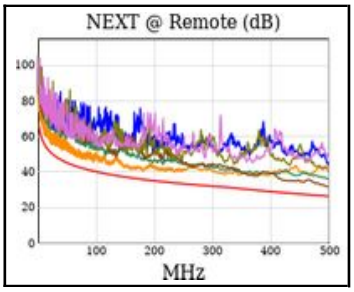


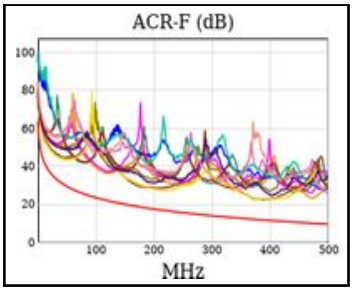
PASS

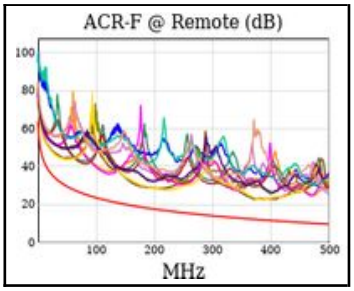


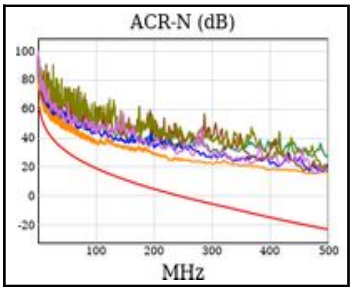


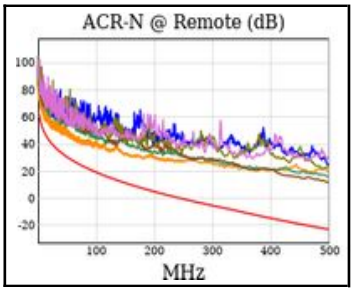


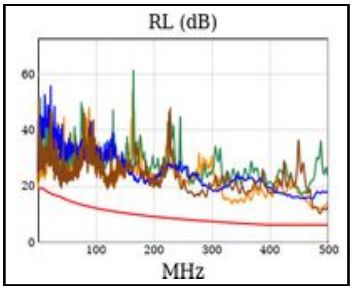


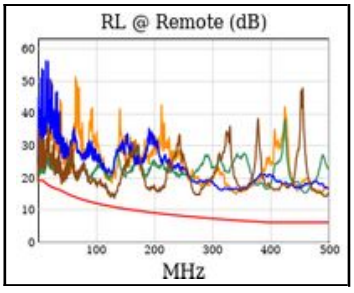












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	3.6	4.5	7.7	5.3
Freq. (MHz)	228.0	161.0	478.0	500.0
Limit (dB)	33.8	36.4	26.6	26.1
Worst Pair	1,2	1,2	1,2	4,5
PS NEXT (dB)	5.7	6.6	7.9	6.7
Freq. (MHz)	235.0	161.0	469.0	499.0
Limit (dB)	30.6	33.5	24.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.6	10.6	10.7
Freq. (MHz)	211.5	373.0	389.0	387.0
Limit (dB)	16.8	11.8	11.5	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.8	12.2	12.6
Freq. (MHz)	213.0	206.0	403.0	411.0
Limit (dB)	13.7	14.0	8.2	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.9	8.8	35.9	34.5
Freq. (MHz)	4.6	4.6	469.0	500.0
Limit (dB)	57.6	57.6	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	10.7	38.1	35.7
Freq. (MHz)	4.5	4.6	500.0	500.0
Limit (dB)	55.3	55.1	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	3.2	2.1	3.9	2.6
Freq. (MHz)	41.3	41.5	487.0	132.5
Limit (dB)	15.8	15.8	6.0	10.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 15-2-A

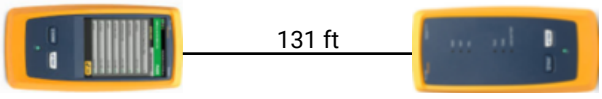
Test Summary: PASS

Date / Time: 12/18/2022 01:44:33 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

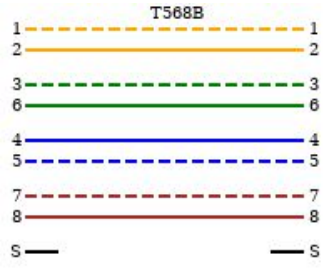
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

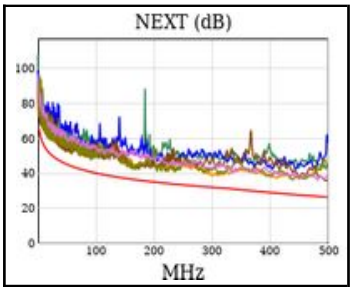
Length (ft), Limit 328	[Pair 1,2]	131
Prop. Delay (ns), Limit 555	[Pair 4,5]	207
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

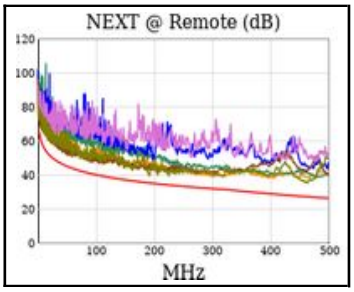


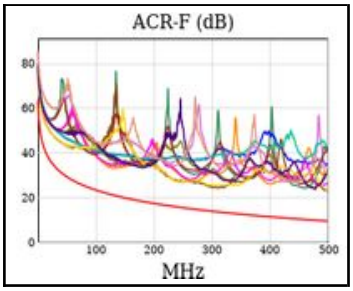
PASS

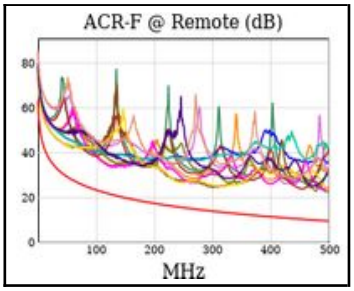


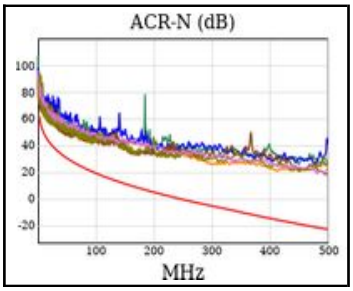


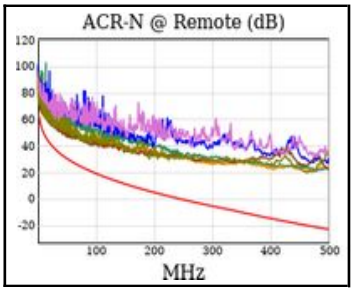


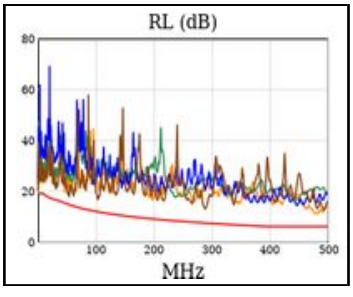


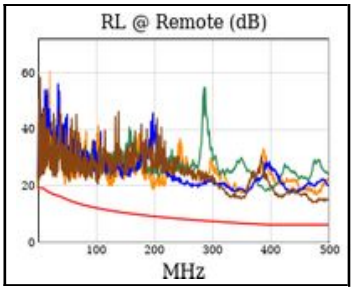












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.8	4.1	9.4	7.9
Freq. (MHz)	168.5	192.5	498.0	463.0
Limit (dB)	36.1	35.1	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	5.2	7.9	8.7
Freq. (MHz)	169.0	191.0	452.0	464.0
Limit (dB)	33.1	32.2	24.4	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.8	13.6	13.1
Freq. (MHz)	303.0	303.0	499.0	496.0
Limit (dB)	13.6	13.6	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.9	11.4	14.5	12.9
Freq. (MHz)	265.0	265.0	462.0	492.0
Limit (dB)	11.8	11.8	7.0	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	9.2	9.2	41.2	39.5
Freq. (MHz)	2.5	2.6	499.0	463.0
Limit (dB)	61.7	61.6	-23.1	-20.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.7	8.8	40.9	39.4
Freq. (MHz)	5.1	5.1	496.0	464.0
Limit (dB)	54.1	54.1	-25.8	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	3.2	5.0	4.8	7.5
Freq. (MHz)	55.0	47.3	481.0	480.0
Limit (dB)	14.6	15.3	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 15-2-B

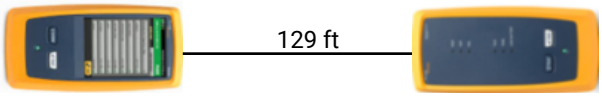
Test Summary: PASS

Date / Time: 12/18/2022 01:45:02 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

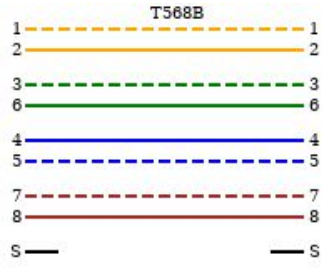
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

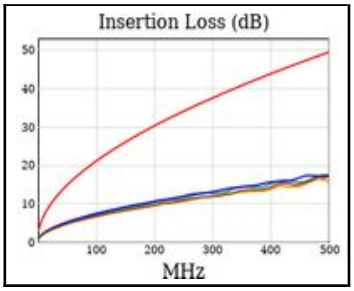
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	129
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

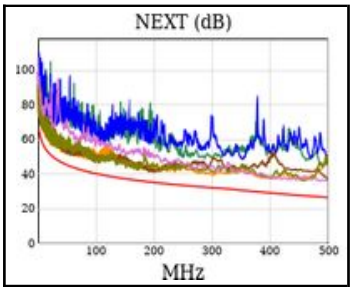


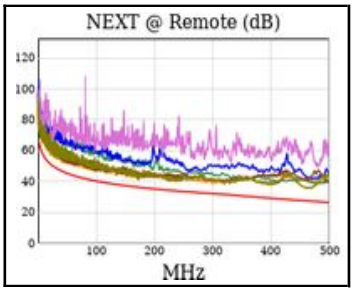
PASS



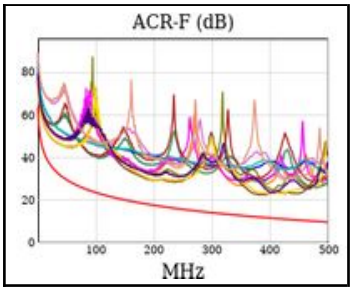


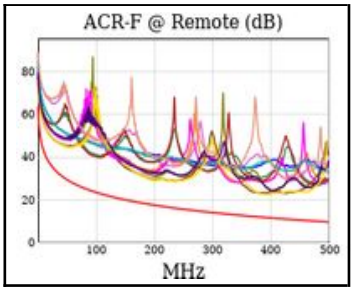
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.6	4.7	8.5	8.2
Freq. (MHz)	192.0	172.0	458.0	470.0
Limit (dB)	35.1	35.9	27.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.6	4.5	8.4	8.7
Freq. (MHz)	5.3	175.0	459.0	465.0
Limit (dB)	58.6	32.9	24.2	24.1



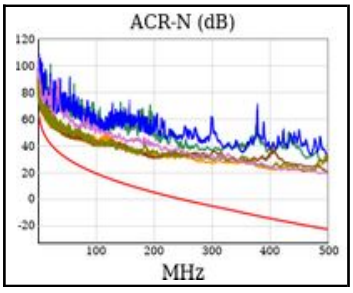


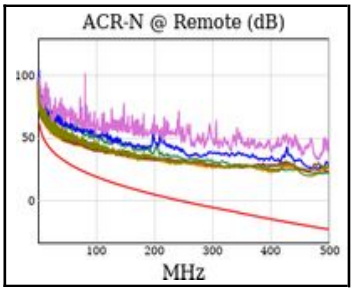
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.7	10.8	10.7
Freq. (MHz)	384.0	392.0	395.0	392.0
Limit (dB)	11.6	11.4	11.3	11.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.4	11.1	11.9
Freq. (MHz)	403.0	201.5	403.0	406.0
Limit (dB)	8.2	14.2	8.2	8.1



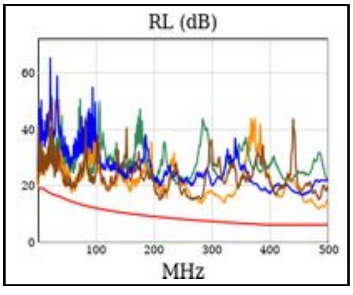


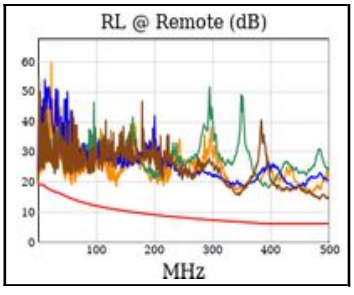
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-7,8
ACR-N (dB)	9.3	9.2	40.9	40.2
Freq. (MHz)	5.0	2.6	486.0	473.0
Limit (dB)	56.9	61.6	-22.1	-21.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.8	8.1	41.8	40.3
Freq. (MHz)	5.3	5.1	500.0	470.0
Limit (dB)	53.9	54.1	-26.1	-23.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.0	4.6	5.6	7.7
Freq. (MHz)	59.0	58.8	484.0	485.0
Limit (dB)	14.3	14.3	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 152-A

Test Summary: PASS

Date / Time: 12/17/2022 07:26:33 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	161
Prop. Delay (ns), Limit 555	[Pair 4,5]	250
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	27.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	3,6-7,8	1,2-4,5
NEXT (dB)	2.9	2.9	2.9	5.3
Freq. (MHz)	305.0	216.5	305.0	498.0
Limit (dB)	31.6	34.2	31.6	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	3.8	5.3	3.8	6.8
Freq. (MHz)	305.0	244.0	305.0	500.0
Limit (dB)	28.6	30.3	28.6	23.2

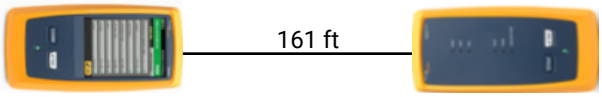
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.3	10.3	11.6	11.5
Freq. (MHz)	308.0	319.0	475.0	467.0
Limit (dB)	13.5	13.2	9.7	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	10.1	11.5	12.7
Freq. (MHz)	7.0	6.8	473.0	472.0
Limit (dB)	43.4	43.7	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	9.1	10.7	37.7	33.5
Freq. (MHz)	3.9	5.9	495.0	498.0
Limit (dB)	59.2	55.3	-22.8	-23.1
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-N (dB)	8.7	10.3	38.7	35.0
Freq. (MHz)	3.9	4.1	495.0	500.0
Limit (dB)	56.7	56.1	-25.7	-26.1

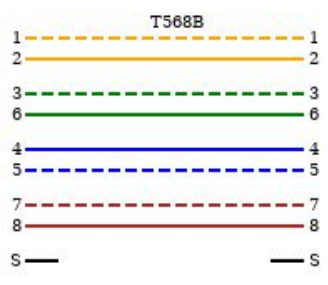
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	4.4	3.9	7.9	8.0
Freq. (MHz)	55.5	13.8	416.0	478.0
Limit (dB)	14.6	18.3	6.0	6.0

Compliant Network Standards:

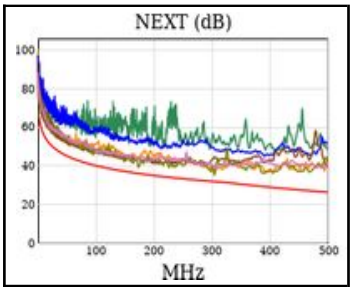
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

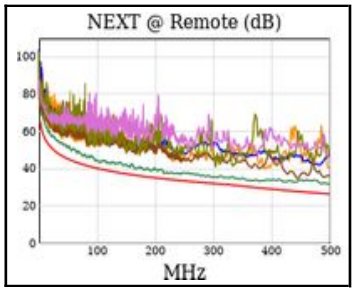


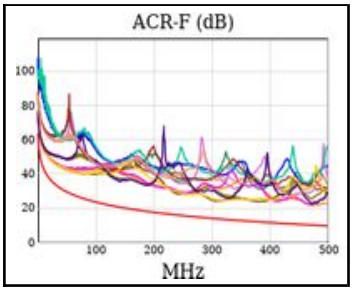
PASS

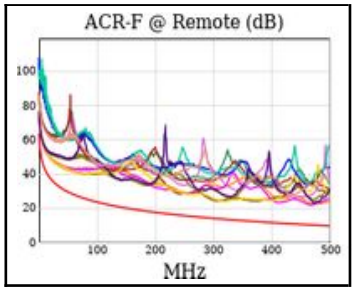


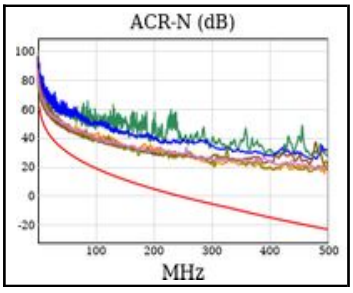


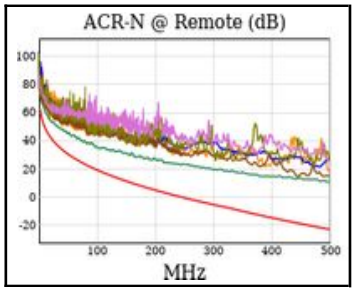


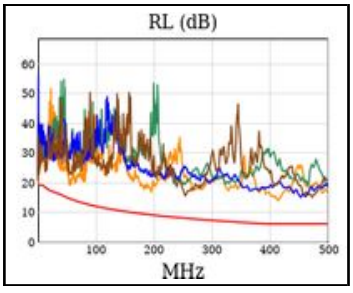


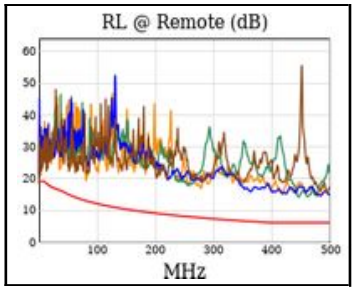












FLUKE networks

LinkWare Live

Cable ID: 152-B

Test Summary: PASS

Date / Time: 12/17/2022 07:26:52 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	253
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	26.7
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	3.6	5.5	7.3	7.5
Freq. (MHz)	214.5	244.5	495.0	489.0
Limit (dB)	34.3	33.3	26.2	26.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	3.4	6.7	7.1	8.6
Freq. (MHz)	75.5	88.5	497.0	489.0
Limit (dB)	39.2	38.0	23.3	23.5

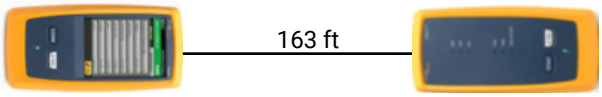
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	7,8-3,6
ACR-F (dB)	11.4	11.3	13.1	12.8
Freq. (MHz)	312.0	325.0	487.0	477.0
Limit (dB)	13.4	13.0	9.5	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	11.9	13.4	13.8
Freq. (MHz)	335.0	322.0	492.0	477.0
Limit (dB)	9.8	10.1	6.4	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	1,2-3,6
ACR-N (dB)	9.5	9.8	33.0	34.1
Freq. (MHz)	6.4	4.3	472.0	489.0
Limit (dB)	54.6	58.3	-21.0	-22.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.4	9.6	35.2	35.2
Freq. (MHz)	4.0	4.1	500.0	489.0
Limit (dB)	56.4	56.1	-26.1	-25.2

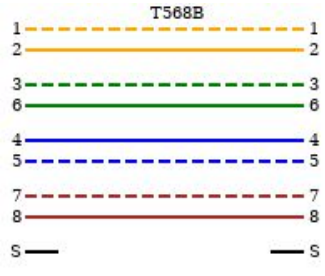
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	5.1	6.1	5.9	7.0
Freq. (MHz)	59.3	13.6	423.0	466.0
Limit (dB)	14.3	18.3	6.0	6.0

Compliant Network Standards:

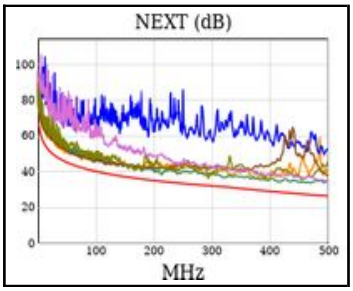
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

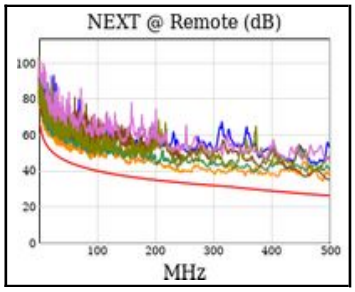


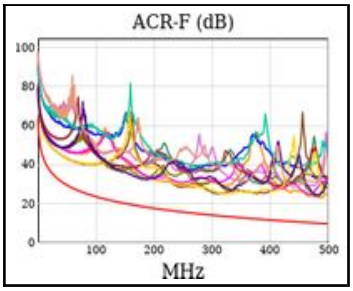
PASS

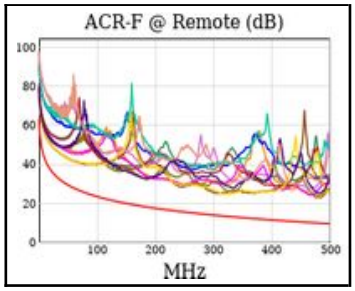


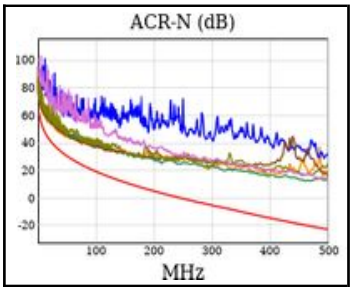


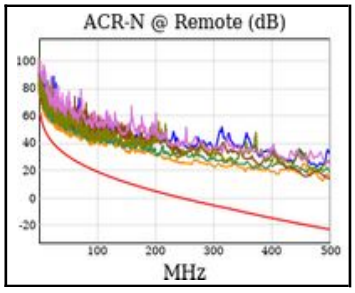


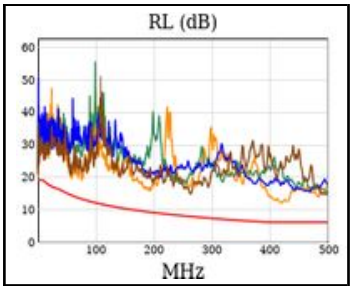


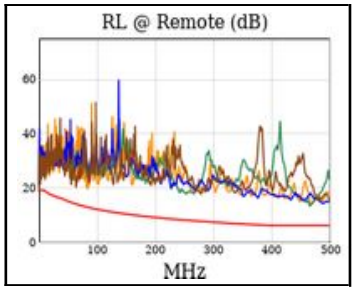












FLUKE networks

LinkWare Live

Cable ID: 154-A

Test Summary: PASS

Date / Time: 12/17/2022 07:23:59 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	187
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.4
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.0	6.7	8.2	6.8
Freq. (MHz)	291.0	496.0	470.0	498.0
Limit (dB)	32.0	26.2	26.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.3	6.8	6.4	8.5
Freq. (MHz)	291.0	5.3	396.0	500.0
Limit (dB)	29.0	58.6	25.9	23.2

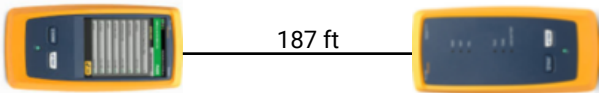
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.4	10.3	9.4	10.5
Freq. (MHz)	498.0	245.5	498.0	500.0
Limit (dB)	9.3	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.7	12.0	11.4
Freq. (MHz)	10.0	9.6	498.0	499.0
Limit (dB)	40.3	40.6	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	7.8	10.2	32.6	31.8
Freq. (MHz)	3.4	3.5	471.0	500.0
Limit (dB)	60.4	60.1	-20.9	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	9.2	31.5	32.8
Freq. (MHz)	5.3	5.3	464.0	498.0
Limit (dB)	53.9	53.9	-23.2	-25.9

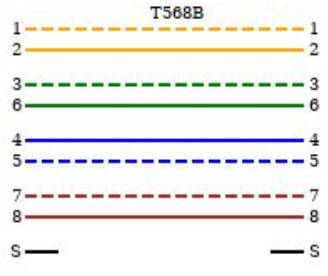
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	5.9	5.0	8.0	6.3
Freq. (MHz)	63.5	11.9	412.0	465.0
Limit (dB)	14.0	18.6	6.0	6.0

Compliant Network Standards:

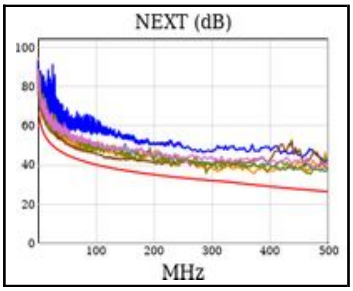
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

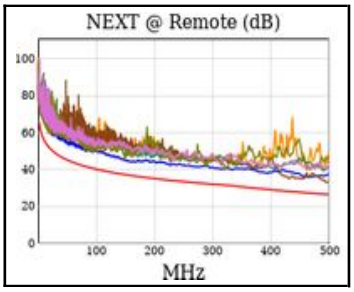


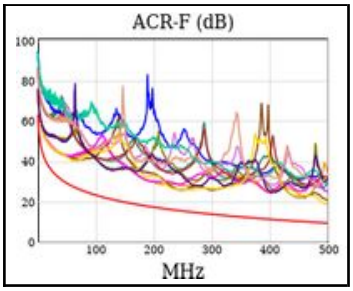
PASS

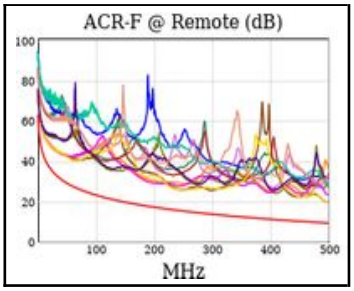


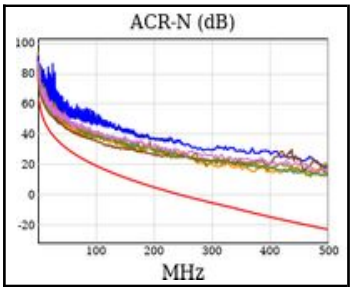


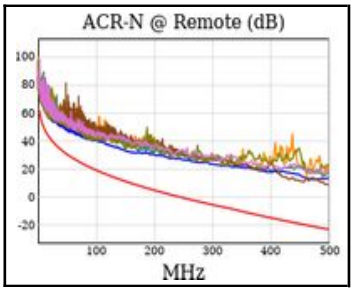


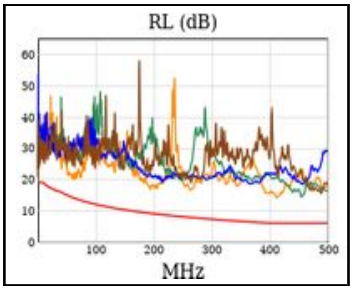


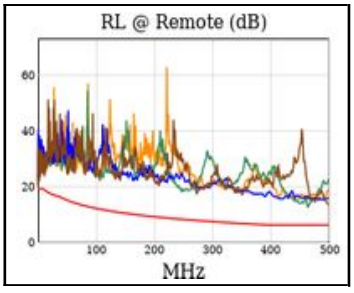












FLUKE networks

LinkWare Live

Cable ID: 15-2-A

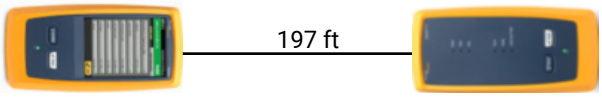
Test Summary: PASS

Date / Time: 11/23/2022 11:38:03 AM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

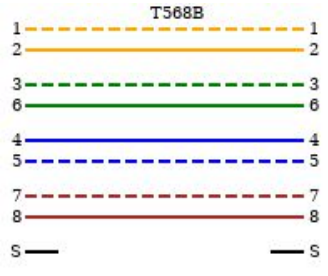
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

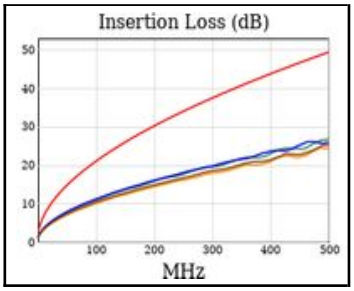
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

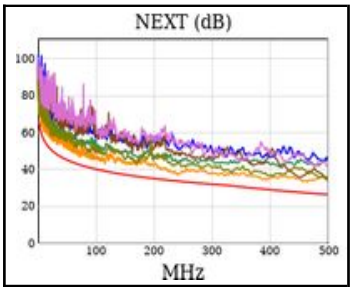
Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	312
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	10.6
Insertion Loss Margin (dB)	[Pair 3,6]	22.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

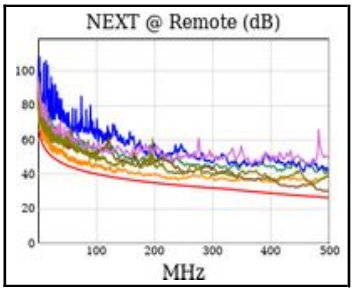


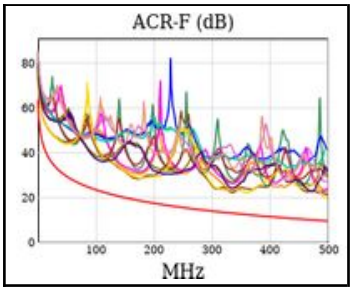
PASS

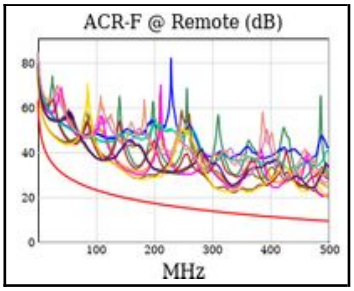


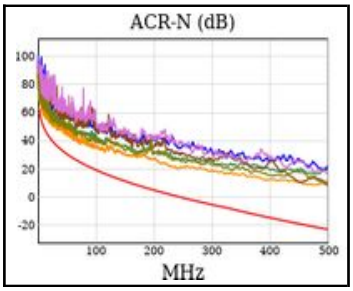


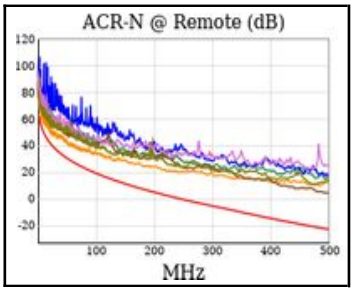


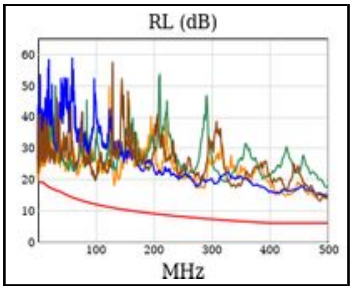


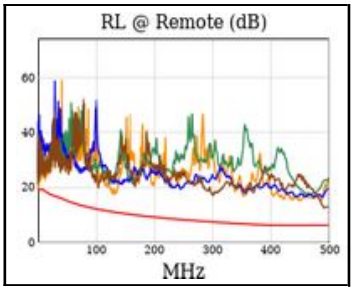












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.5	2.6	6.0	3.8
Freq. (MHz)	243.5	130.5	465.0	500.0
Limit (dB)	33.3	38.0	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	3.7	6.7	4.9
Freq. (MHz)	240.0	134.0	499.0	482.0
Limit (dB)	30.5	34.9	23.3	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.2	9.3	10.1	10.6
Freq. (MHz)	336.0	336.0	500.0	500.0
Limit (dB)	12.7	12.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.7	9.0	11.0	10.9
Freq. (MHz)	335.0	336.0	500.0	500.0
Limit (dB)	9.8	9.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	6.5	6.0	31.3	27.2
Freq. (MHz)	6.9	6.9	500.0	500.0
Limit (dB)	53.8	53.8	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.5	7.0	29.4	28.1
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	57.9	57.9	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.4	4.2	7.0	6.2
Freq. (MHz)	11.1	13.0	487.0	493.0
Limit (dB)	18.8	18.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 15-2-B

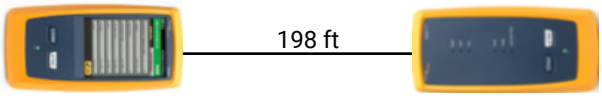
Test Summary: PASS

Date / Time: 11/23/2022 11:36:41 AM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

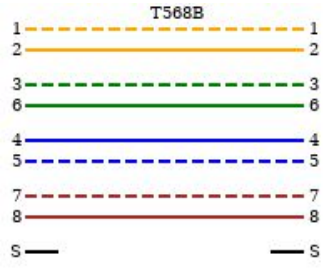
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

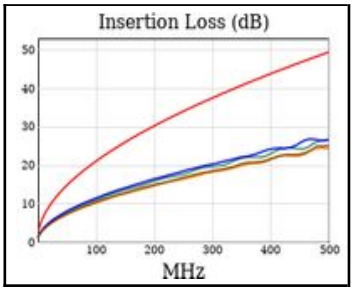
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

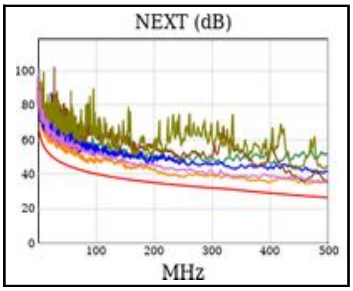
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	314
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	10.6
Insertion Loss Margin (dB)	[Pair 4,5]	21.2
Frequency (MHz)	[Pair 4,5]	474.0
Limit (dB)	[Pair 4,5]	47.9

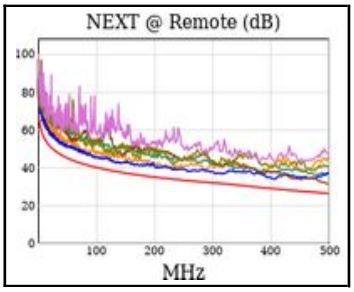


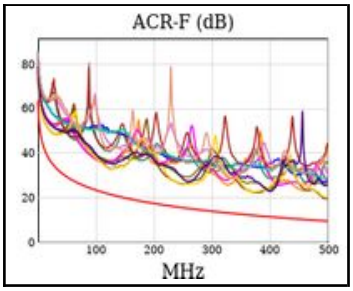
PASS

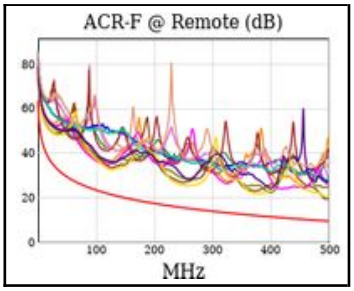


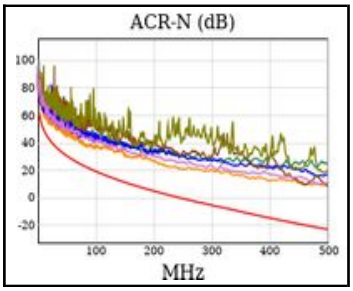


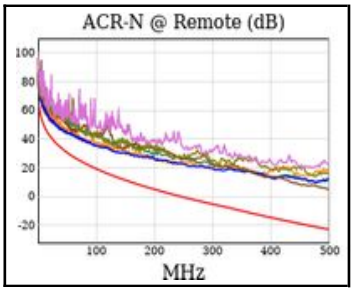


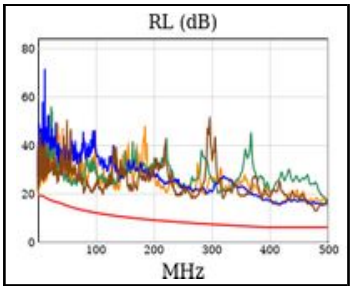


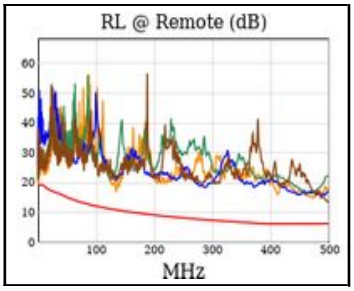












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.8	4.4	7.2	4.9
Freq. (MHz)	251.0	135.5	463.0	500.0
Limit (dB)	33.1	37.7	27.0	26.1
Worst Pair	1,2	1,2	3,6	4,5
PS NEXT (dB)	6.7	4.5	7.6	6.8
Freq. (MHz)	244.5	233.5	462.0	500.0
Limit (dB)	30.3	30.7	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	9.7	10.0	9.9
Freq. (MHz)	499.0	374.0	499.0	499.0
Limit (dB)	9.3	11.8	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	12.5	11.0
Freq. (MHz)	121.5	500.0	499.0	500.0
Limit (dB)	18.6	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.1	7.8	31.2	27.7
Freq. (MHz)	6.9	6.9	500.0	500.0
Limit (dB)	53.8	53.8	-23.2	-23.2
Worst Pair	1,2	1,2	3,6	4,5
PS ACR-N (dB)	10.1	8.6	31.3	29.6
Freq. (MHz)	6.9	6.9	500.0	500.0
Limit (dB)	51.3	51.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.3	3.9	6.5	7.2
Freq. (MHz)	11.1	12.9	479.0	500.0
Limit (dB)	18.8	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 153-A

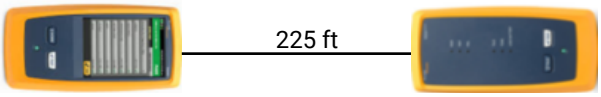
Test Summary: PASS

Date / Time: 11/20/2022 07:23:45 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

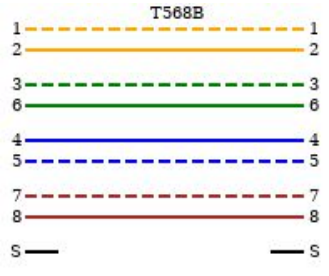
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

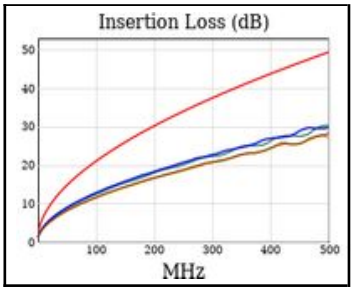
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

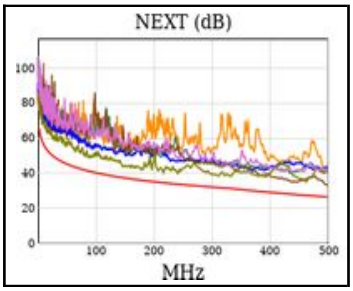
Length (ft), Limit 328	[Pair 1,2]	225
Prop. Delay (ns), Limit 555	[Pair 4,5]	355
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	18.9
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

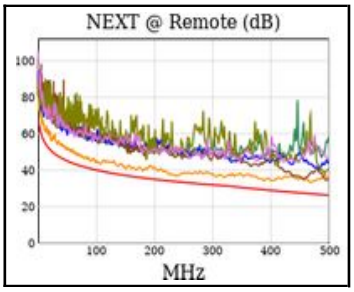


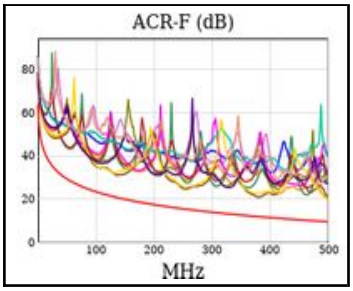
PASS

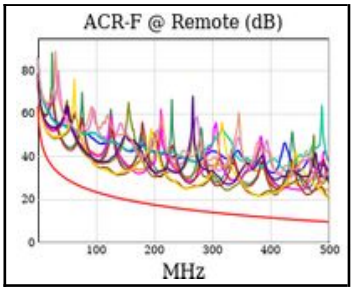


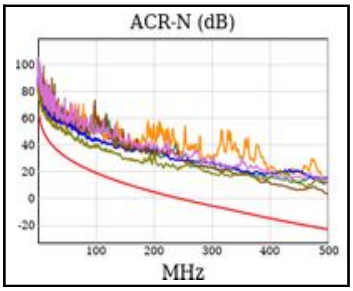


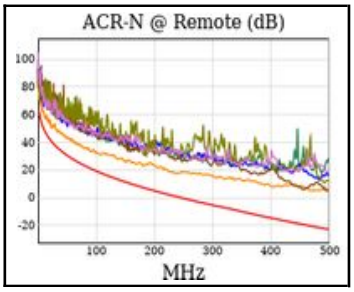


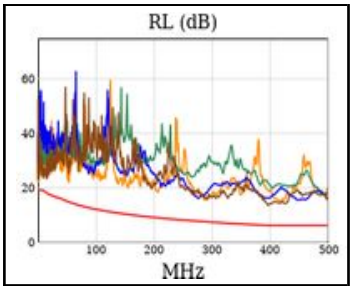


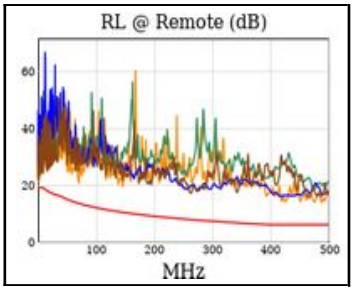












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.4	3.2	6.7	6.2
Freq. (MHz)	217.5	237.5	500.0	470.0
Limit (dB)	34.2	33.5	26.1	26.8
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	7.8	5.5	8.5	8.0
Freq. (MHz)	241.5	237.0	500.0	500.0
Limit (dB)	30.4	30.6	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.0	9.6	10.6	11.1
Freq. (MHz)	379.0	254.0	498.0	500.0
Limit (dB)	11.7	15.2	9.3	9.3
Worst Pair	4,5	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.7	10.6	10.7
Freq. (MHz)	256.0	407.0	498.0	407.0
Limit (dB)	12.1	8.1	6.3	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.1	8.7	26.3	25.3
Freq. (MHz)	7.6	7.5	500.0	470.0
Limit (dB)	52.8	53.0	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	10.7	27.6	26.7
Freq. (MHz)	2.8	3.0	500.0	497.0
Limit (dB)	58.5	58.4	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.3	4.7	7.4	7.8
Freq. (MHz)	9.9	8.3	398.0	489.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 153-B

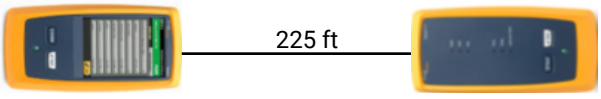
Test Summary: PASS

Date / Time: 11/20/2022 07:27:43 PM
Headroom: 1.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

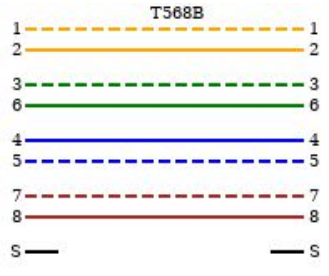
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	225
Prop. Delay (ns), Limit 555	[Pair 4,5]	353
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	19.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

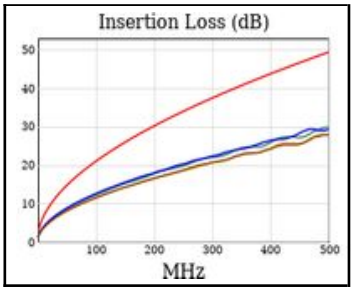


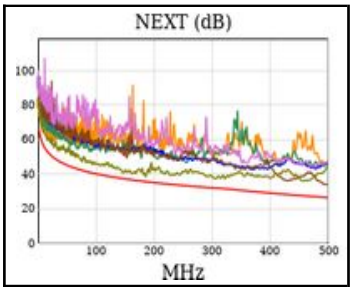
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.0	1.5	7.3	7.0
Freq. (MHz)	186.5	232.5	497.0	500.0
Limit (dB)	35.3	33.7	26.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.6	4.1	9.5	7.3
Freq. (MHz)	186.5	242.0	497.0	500.0
Limit (dB)	32.4	30.4	23.3	23.2

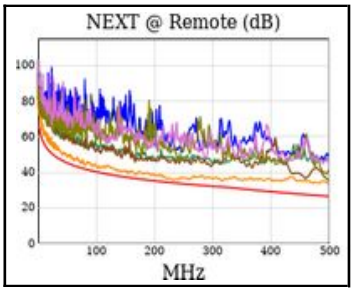
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.3	9.4	9.3	9.4
Freq. (MHz)	438.0	438.0	438.0	438.0
Limit (dB)	10.4	10.4	10.4	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	11.0	10.4	11.0
Freq. (MHz)	441.0	439.0	474.0	439.0
Limit (dB)	7.4	7.4	6.7	7.4

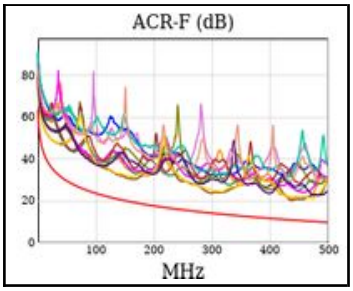
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.9	6.9	27.4	26.5
Freq. (MHz)	7.5	7.5	497.0	500.0
Limit (dB)	53.0	53.0	-23.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	8.6	28.8	26.8
Freq. (MHz)	7.4	7.5	497.0	500.0
Limit (dB)	50.6	50.4	-25.8	-26.1

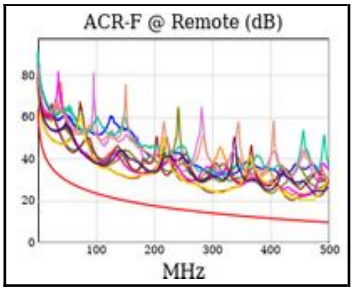
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.1	4.9	6.5	7.5
Freq. (MHz)	17.5	8.3	437.0	490.0
Limit (dB)	17.8	19.0	6.0	6.0

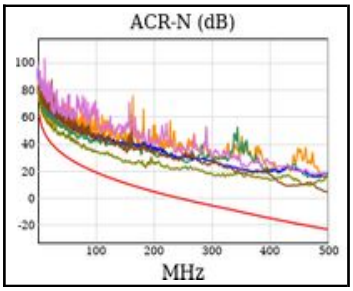


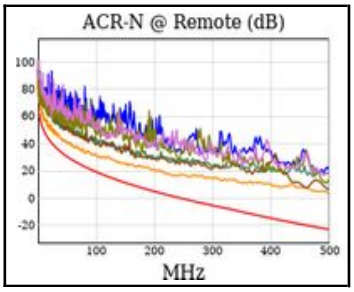


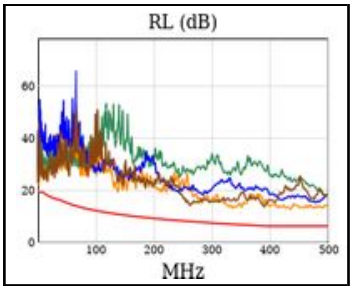


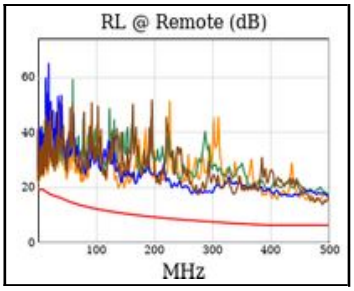












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 154-A

Test Summary: PASS

Date / Time: 12/17/2022 11:33:58 AM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	74
Prop. Delay (ns), Limit 555	[Pair 4,5]	117
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	8.0
Insertion Loss Margin (dB)	[Pair 3,6]	37.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	5.7	5.8	7.1
Freq. (MHz)	399.0	20.8	456.0	498.0
Limit (dB)	28.8	51.4	27.2	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.5	7.2	6.9	8.5
Freq. (MHz)	76.0	51.3	466.0	497.0
Limit (dB)	39.1	42.1	24.0	23.3

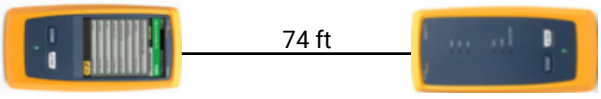
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.3	9.5	9.3	10.3
Freq. (MHz)	491.0	442.0	491.0	499.0
Limit (dB)	9.4	10.3	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.6	11.4	11.2
Freq. (MHz)	5.8	9.8	495.0	442.0
Limit (dB)	45.1	40.5	6.4	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.6	11.9	46.6	46.3
Freq. (MHz)	4.0	5.0	498.0	498.0
Limit (dB)	58.9	56.9	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.1	12.9	45.4	47.3
Freq. (MHz)	4.4	5.0	493.0	498.0
Limit (dB)	55.6	54.3	-25.5	-25.9

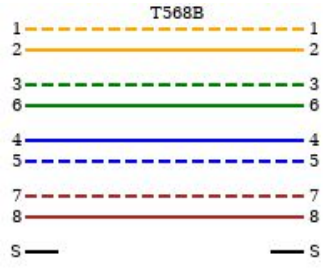
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.7	5.1	5.7	6.3
Freq. (MHz)	491.0	56.8	491.0	486.0
Limit (dB)	6.0	14.5	6.0	6.0

Compliant Network Standards:

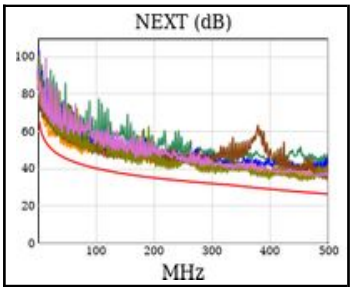
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

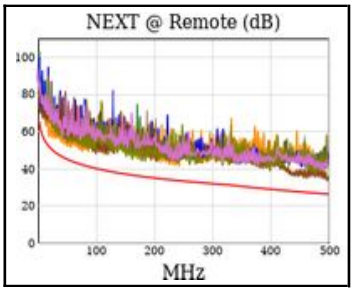


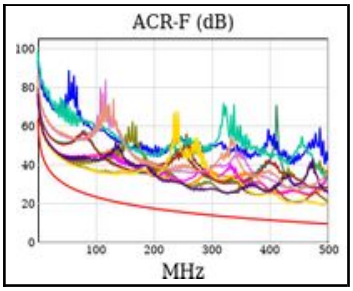
PASS

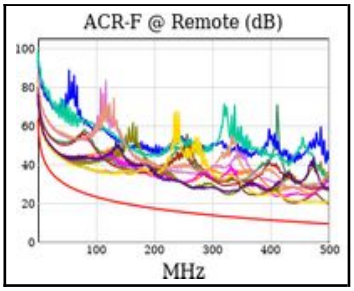


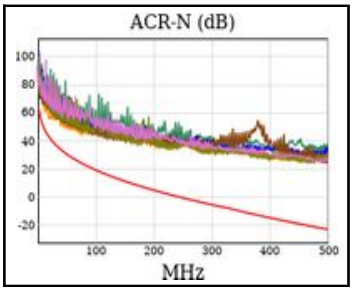


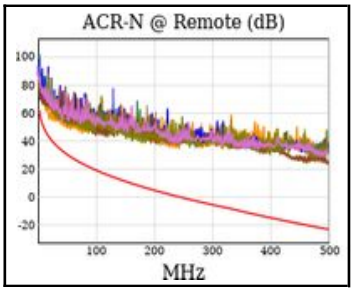


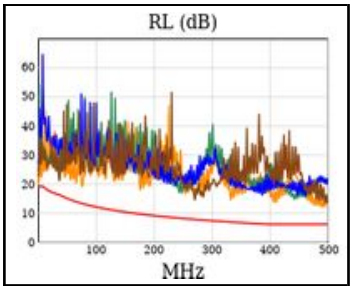


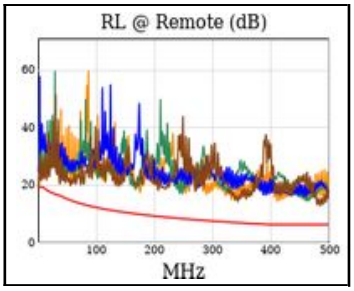












FLUKE networks

LinkWare Live

Cable ID: 154-A-2

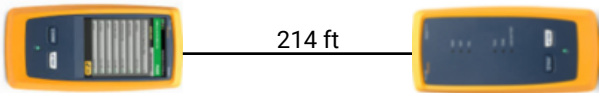
Test Summary: PASS

Date / Time: 12/11/2022 03:55:46 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

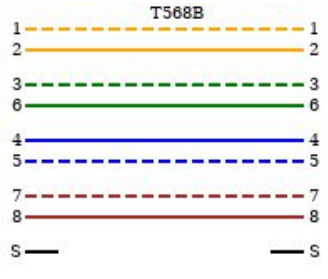
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

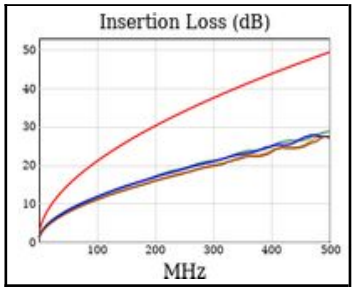
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	214
Prop. Delay (ns), Limit 555	[Pair 4,5]	332
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	16.9
Insertion Loss Margin (dB)	[Pair 3,6]	20.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

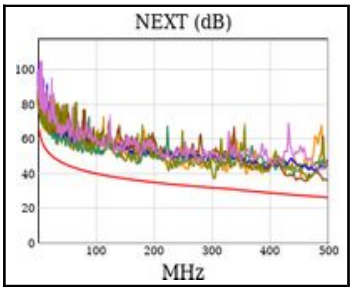


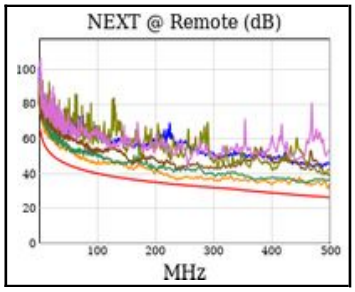
PASS



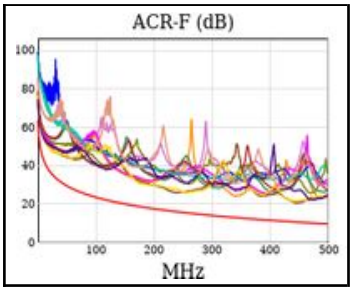


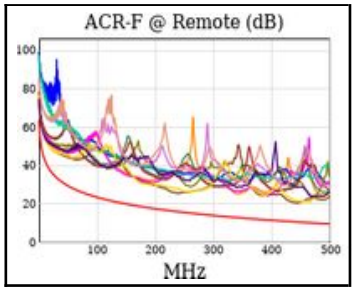
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.4	2.5	8.3	4.7
Freq. (MHz)	306.0	239.0	463.0	497.0
Limit (dB)	31.6	33.5	27.0	26.2
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	7.9	4.4	8.8	6.3
Freq. (MHz)	306.0	239.0	466.0	497.0
Limit (dB)	28.6	30.5	24.0	23.3



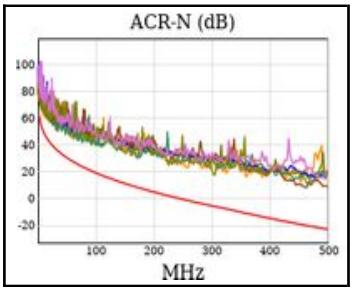


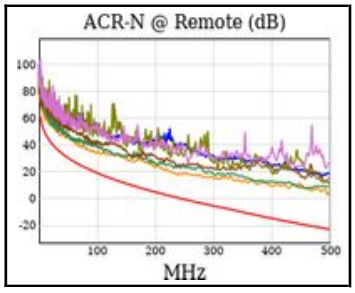
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	9.5	9.8	9.9
Freq. (MHz)	446.0	240.0	446.0	446.0
Limit (dB)	10.3	15.7	10.3	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	11.0	11.7	12.5
Freq. (MHz)	8.5	3.8	487.0	446.0
Limit (dB)	41.7	48.8	6.5	7.3



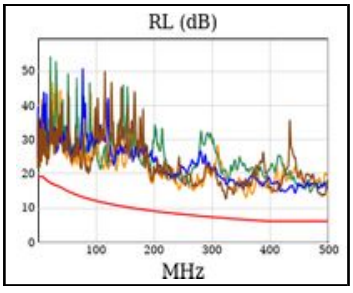


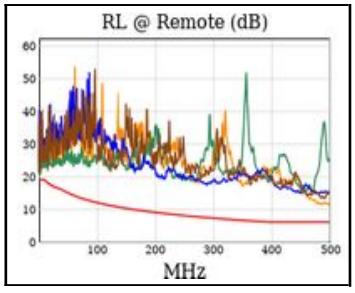
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.5	9.6	28.1	25.3
Freq. (MHz)	6.4	9.8	463.0	497.0
Limit (dB)	54.6	50.4	-20.3	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	10.5	29.2	27.3
Freq. (MHz)	6.3	4.6	466.0	497.0
Limit (dB)	52.2	55.1	-23.4	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	4.6	3.7	5.4	5.2
Freq. (MHz)	16.4	9.8	325.0	499.0
Limit (dB)	17.9	19.0	6.9	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 154-B-2

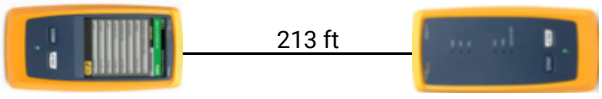
Test Summary: PASS

Date / Time: 12/11/2022 03:56:09 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

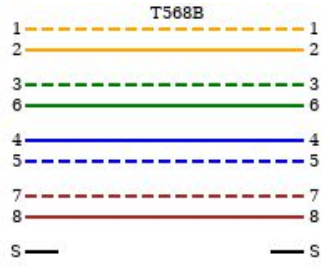
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

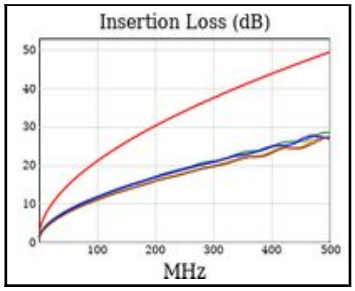
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

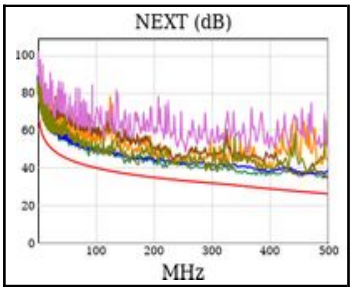
Length (ft), Limit 328	[Pair 7,8]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	331
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	16.4
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

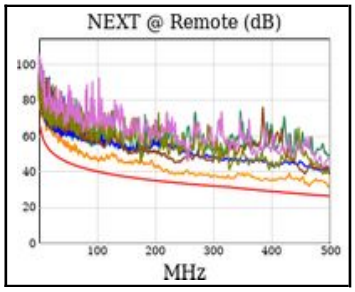


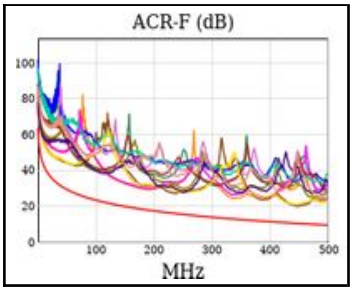
PASS

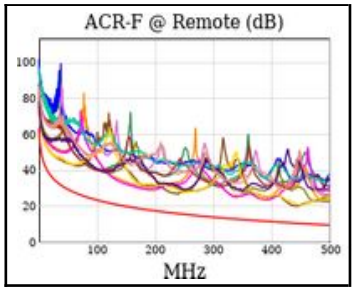


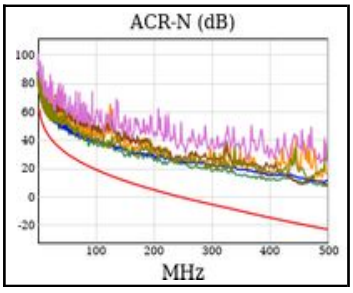


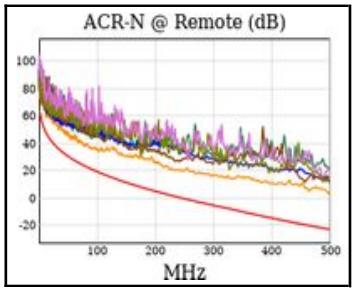


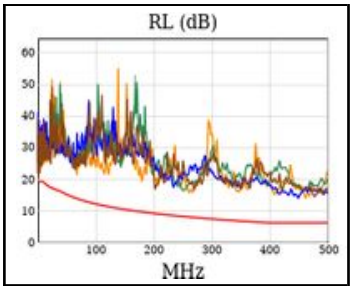


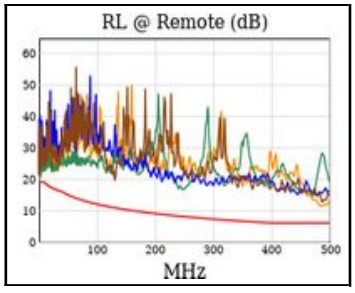












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.4	4.4	8.4	4.9
Freq. (MHz)	150.5	465.0	500.0	498.0
Limit (dB)	36.9	27.0	26.1	26.1
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	6.1	6.5	8.8	6.9
Freq. (MHz)	207.0	234.0	500.0	498.0
Limit (dB)	31.6	30.7	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.6	9.5	9.6	9.6
Freq. (MHz)	450.0	441.0	450.0	444.0
Limit (dB)	10.2	10.4	10.2	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.4	12.0	12.0
Freq. (MHz)	249.5	389.0	488.0	444.0
Limit (dB)	12.3	8.5	6.5	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	10.3	30.5	25.7
Freq. (MHz)	9.4	5.0	500.0	498.0
Limit (dB)	50.8	56.9	-23.2	-23.1
Worst Pair	3,6	1,2	4,5	3,6
PS ACR-N (dB)	10.3	10.9	30.9	27.7
Freq. (MHz)	3.1	4.9	500.0	498.0
Limit (dB)	58.3	54.6	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.3	3.4	7.8	5.3
Freq. (MHz)	8.5	8.4	462.0	486.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 156-A-2

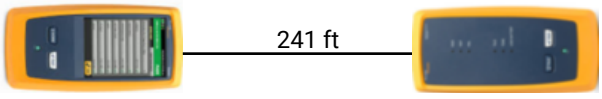
Test Summary: PASS

Date / Time: 12/11/2022 04:01:44 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

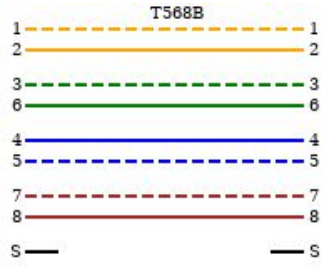
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

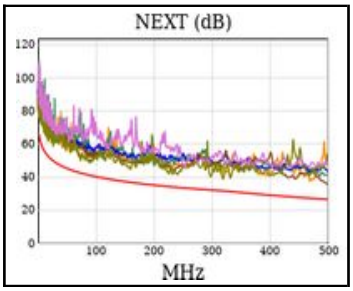
Length (ft), Limit 328	[Pair 7,8]	241
Prop. Delay (ns), Limit 555	[Pair 4,5]	375
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	11.7
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

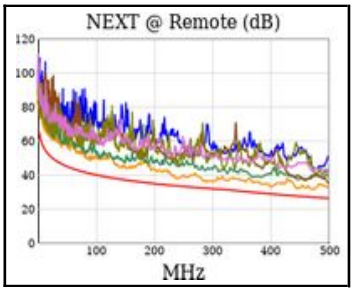


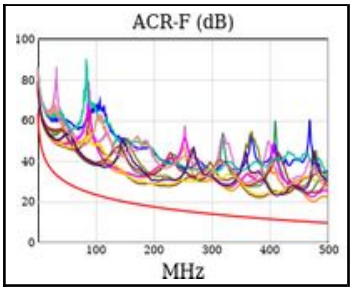
PASS

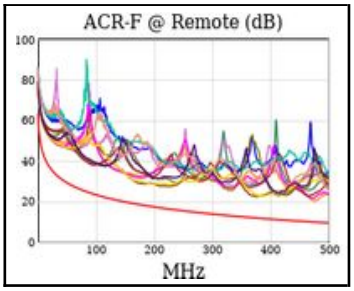


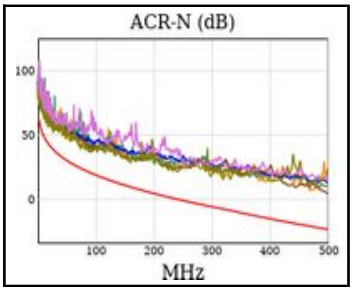


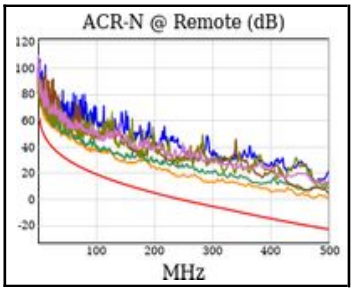


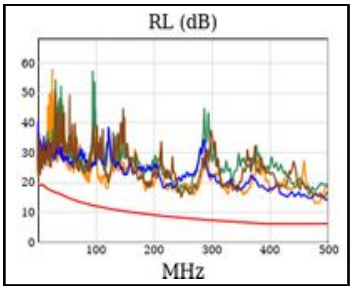


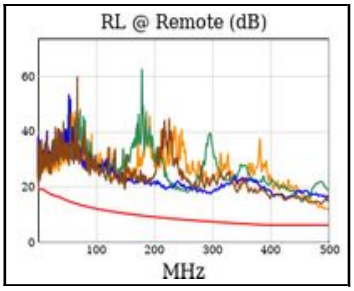












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.8	3.7	9.3	4.6
Freq. (MHz)	320.0	292.0	500.0	476.0
Limit (dB)	31.3	31.9	26.1	26.7
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	7.9	6.0	11.0	6.5
Freq. (MHz)	233.0	292.0	500.0	476.0
Limit (dB)	30.7	29.0	23.2	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	10.0	10.4	10.0	10.5
Freq. (MHz)	476.0	179.5	476.0	476.0
Limit (dB)	9.7	18.2	9.7	9.7
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	11.2	11.2	12.6	12.6
Freq. (MHz)	197.0	180.0	476.0	476.0
Limit (dB)	14.4	15.2	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.4	12.1	27.8	21.9
Freq. (MHz)	2.6	4.1	500.0	476.0
Limit (dB)	61.6	58.6	-23.2	-21.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.4	12.5	29.5	24.9
Freq. (MHz)	4.0	4.1	500.0	499.0
Limit (dB)	56.4	56.1	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.0	5.6	6.8	5.6
Freq. (MHz)	8.9	500.0	483.0	500.0
Limit (dB)	19.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 155-1-A

Test Summary: PASS

Date / Time: 12/10/2022 12:32:02 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	107
Prop. Delay (ns), Limit 555	[Pair 4,5]	170
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	19.4
Insertion Loss Margin (dB)	[Pair 3,6]	33.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	3.6	7.4	8.9
Freq. (MHz)	2.9	2.9	499.0	447.0
Limit (dB)	65.0	65.0	26.1	27.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.0	4.5	9.3	10.5
Freq. (MHz)	2.9	3.1	499.0	461.0
Limit (dB)	62.0	62.0	23.3	24.2

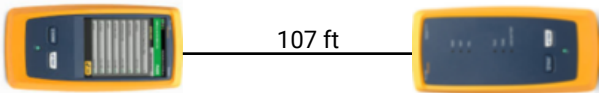
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	7,8-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.5	10.0	11.9	12.4
Freq. (MHz)	300.0	3.3	471.0	497.0
Limit (dB)	13.7	53.0	9.8	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.0	8.5	11.9	12.3
Freq. (MHz)	1.0	1.0	478.0	497.0
Limit (dB)	60.3	60.3	6.7	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	5.7	5.9	42.1	42.8
Freq. (MHz)	2.8	2.9	499.0	467.0
Limit (dB)	61.5	61.4	-23.1	-20.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.1	6.7	43.0	45.0
Freq. (MHz)	2.9	3.1	499.0	495.0
Limit (dB)	58.4	58.3	-26.0	-25.7

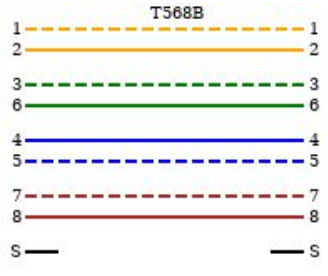
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	7,8
RL (dB)	7.5	2.4	8.2	6.3
Freq. (MHz)	64.8	18.5	469.0	489.0
Limit (dB)	13.9	17.7	6.0	6.0

Compliant Network Standards:

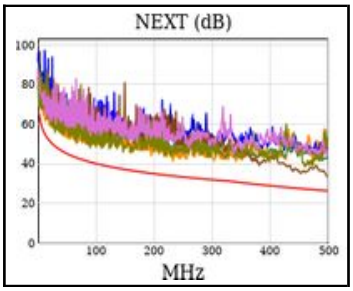
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

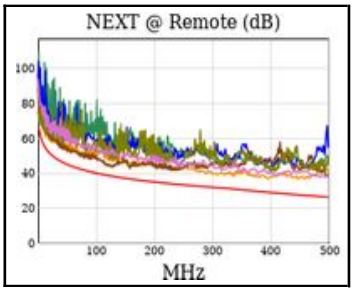


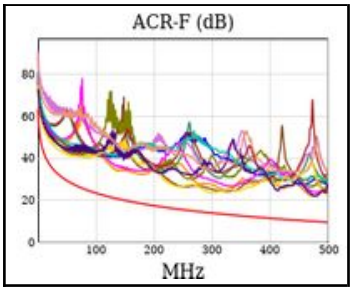
PASS

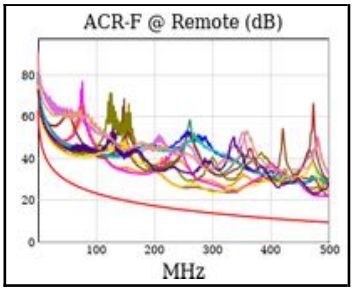


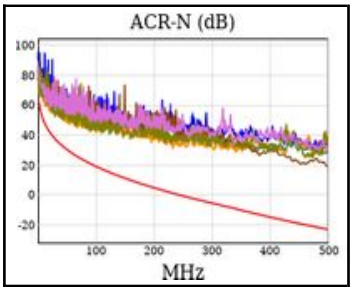


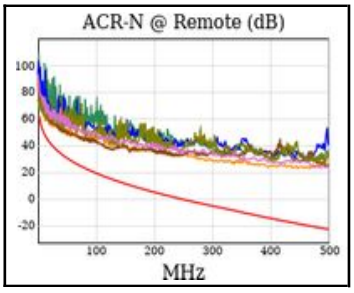


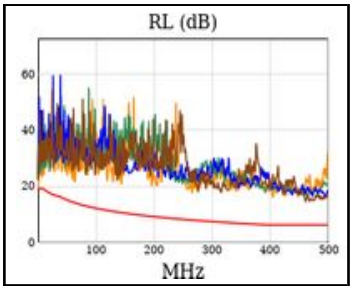


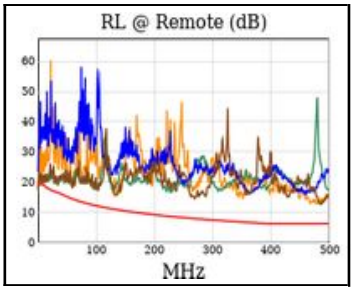












FLUKE networks

LinkWare Live

Cable ID: 155-1-B

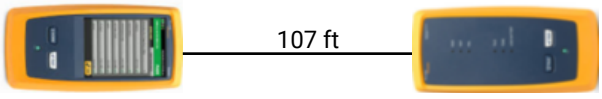
Test Summary: PASS

Date / Time: 12/10/2022 12:32:39 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

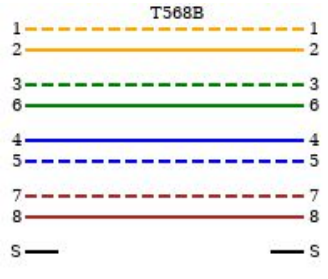
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	107
Prop. Delay (ns), Limit 555	[Pair 4,5]	169
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	12.8
Insertion Loss Margin (dB)	[Pair 3,6]	33.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.6	6.7	5.6	8.3
Freq. (MHz)	497.0	206.0	497.0	452.0
Limit (dB)	26.2	34.6	26.2	27.3
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	6.9	7.1	8.2	8.8
Freq. (MHz)	30.5	149.5	497.0	461.0
Limit (dB)	45.9	34.1	23.3	24.2

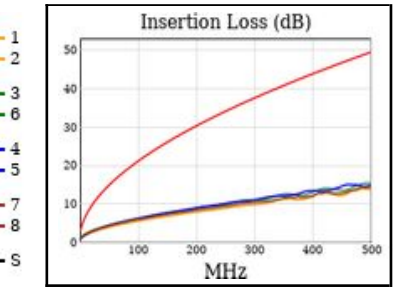
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.5	11.5	10.9
Freq. (MHz)	245.5	245.5	500.0	493.0
Limit (dB)	15.5	15.5	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.4	12.3	12.6
Freq. (MHz)	1.4	1.0	496.0	492.0
Limit (dB)	57.5	60.3	6.3	6.4

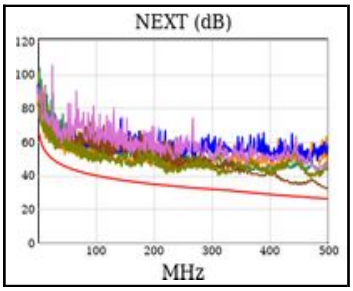
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.1	12.1	40.3	44.7
Freq. (MHz)	3.0	3.0	497.0	496.0
Limit (dB)	61.4	61.4	-23.0	-22.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.5	12.3	42.2	44.8
Freq. (MHz)	3.8	3.3	497.0	497.0
Limit (dB)	57.0	58.2	-25.8	-25.8

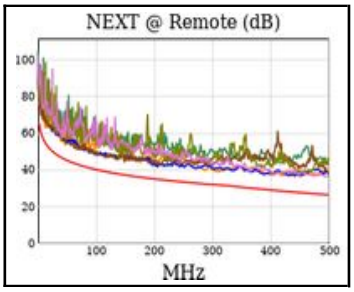
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.8	3.0	7.1	6.6
Freq. (MHz)	54.3	36.3	486.0	486.0
Limit (dB)	14.7	16.2	6.0	6.0

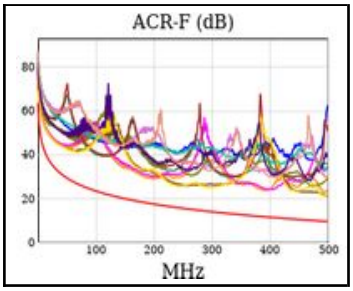
Compliant Network Standards:

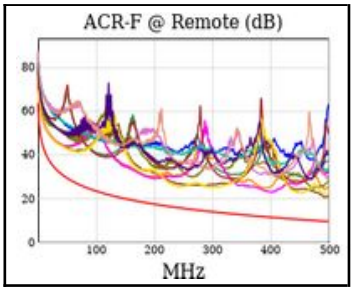
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

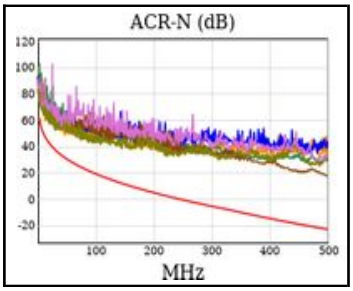


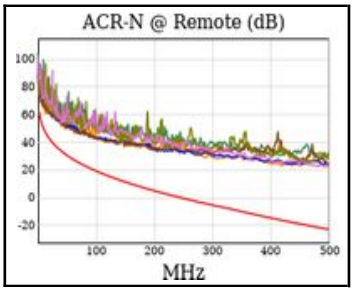


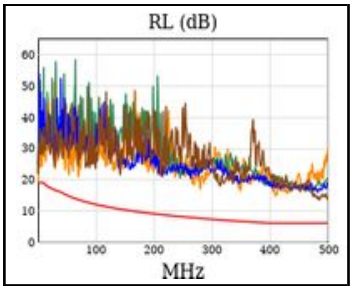


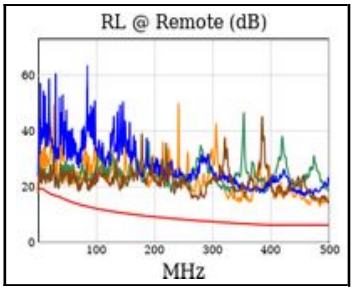












FLUKE networks

LinkWare Live

Cable ID: 155-2-A

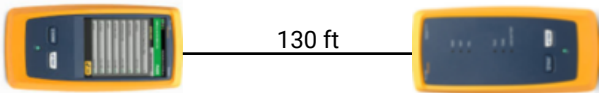
Test Summary: PASS

Date / Time: 12/10/2022 12:29:28 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

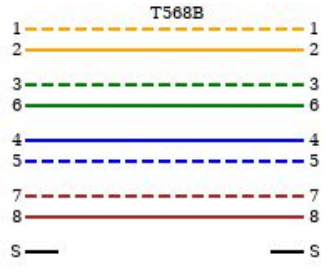
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

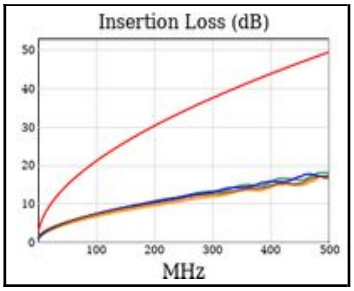
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

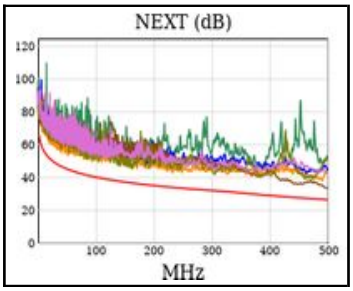
Length (ft), Limit 328	[Pair 1,2]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	20.1
Insertion Loss Margin (dB)	[Pair 3,6]	31.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

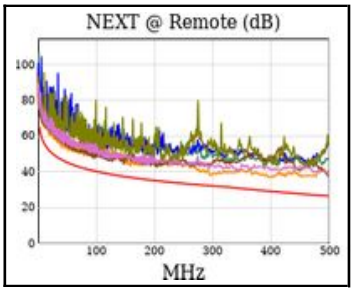


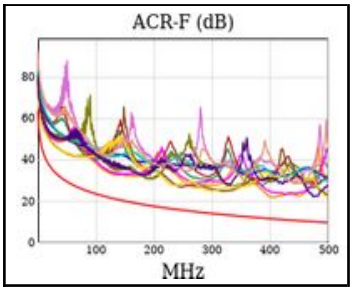
PASS

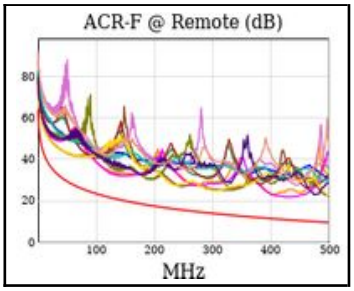


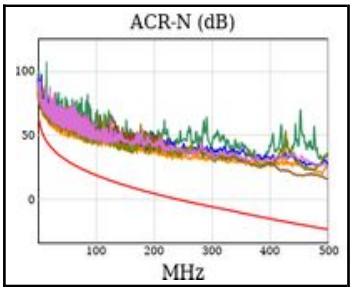


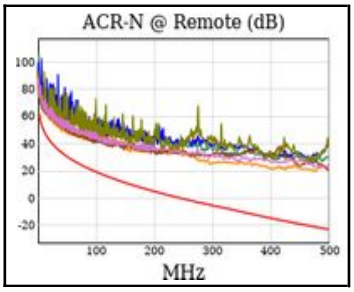


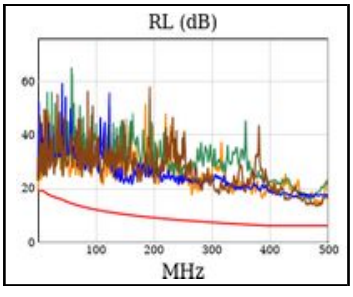


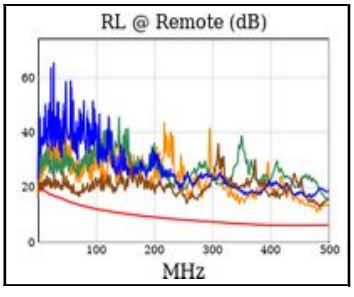












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.8	5.6	6.8	7.6
Freq. (MHz)	500.0	299.0	500.0	404.0
Limit (dB)	26.1	31.8	26.1	28.6
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.2	6.5	9.1	10.6
Freq. (MHz)	41.3	96.3	500.0	454.0
Limit (dB)	43.7	37.4	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.3	10.8	10.3	10.9
Freq. (MHz)	406.0	426.0	406.0	433.0
Limit (dB)	11.1	10.7	11.1	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	10.5	13.9	12.9
Freq. (MHz)	5.6	5.4	499.0	409.0
Limit (dB)	45.3	45.6	6.3	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.5	12.0	38.8	40.7
Freq. (MHz)	3.0	5.0	500.0	479.0
Limit (dB)	61.4	56.9	-23.2	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.6	10.8	40.7	43.1
Freq. (MHz)	3.3	5.0	500.0	499.0
Limit (dB)	58.2	54.3	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	6.4	2.2	7.1	4.8
Freq. (MHz)	15.9	14.5	486.0	480.0
Limit (dB)	18.0	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 155-2-B

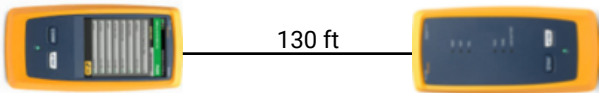
Test Summary: PASS

Date / Time: 12/10/2022 12:21:35 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

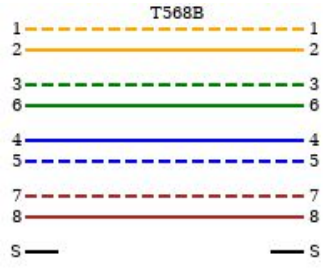
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	14.9
Insertion Loss Margin (dB)	[Pair 3,6]	30.8
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8



PASS

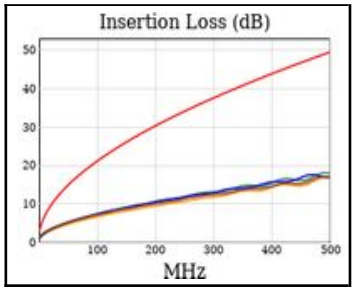


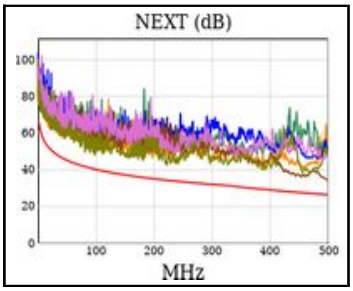
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.8	5.2	8.0	6.0
Freq. (MHz)	99.0	179.5	499.0	393.0
Limit (dB)	40.0	35.6	26.1	28.9
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	8.6	5.2	9.1	7.4
Freq. (MHz)	5.1	124.0	456.0	393.0
Limit (dB)	58.8	35.5	24.3	26.0

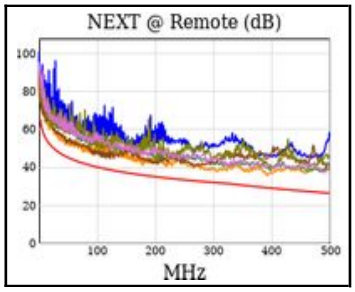
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	4,5-3,6
ACR-F (dB)	10.4	10.1	11.1	10.9
Freq. (MHz)	335.0	450.0	483.0	491.0
Limit (dB)	12.8	10.2	9.6	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.7	11.7	11.6
Freq. (MHz)	188.0	199.5	491.0	491.0
Limit (dB)	14.8	14.3	6.4	6.4

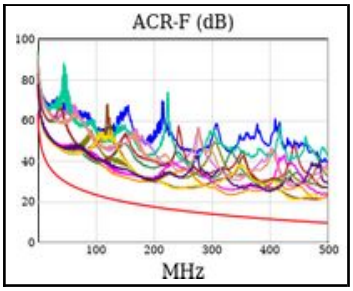
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.3	11.6	40.2	42.8
Freq. (MHz)	2.3	2.5	499.0	493.0
Limit (dB)	61.8	61.7	-23.1	-22.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.1	10.6	42.0	41.5
Freq. (MHz)	2.5	4.9	499.0	488.0
Limit (dB)	58.7	54.6	-26.0	-25.1

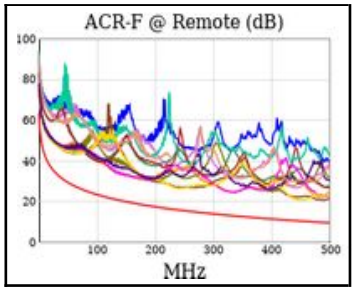
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	7.3	3.7	7.3	5.5
Freq. (MHz)	499.0	19.4	499.0	483.0
Limit (dB)	6.0	17.6	6.0	6.0

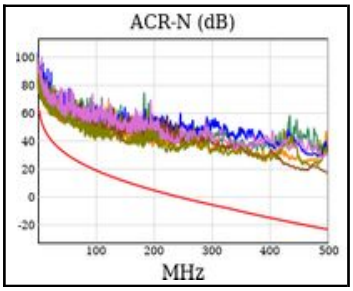


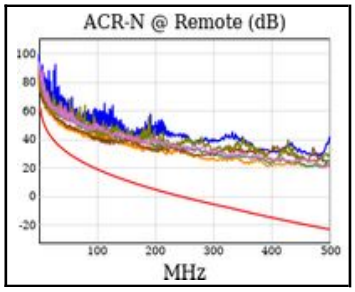


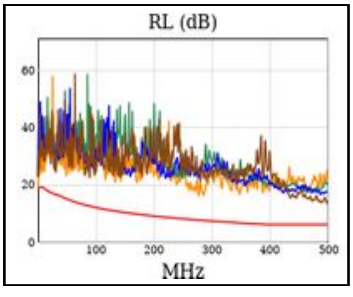


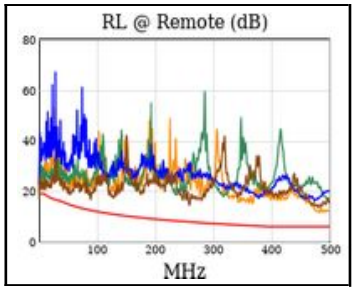












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 155-3-A

Test Summary: PASS

Date / Time: 12/10/2022 12:38:01 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	93
Prop. Delay (ns), Limit 555	[Pair 4,5]	147
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 7,8]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	35.4
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.6	5.0	7.2	6.9
Freq. (MHz)	241.5	289.0	500.0	401.0
Limit (dB)	33.4	32.0	26.1	28.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.0	4.5	8.7	8.8
Freq. (MHz)	31.5	150.5	472.0	460.0
Limit (dB)	45.6	34.0	23.9	24.2

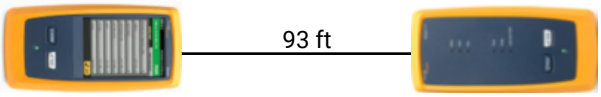
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-1,2	1,2-3,6
ACR-F (dB)	10.6	10.7	11.4	11.1
Freq. (MHz)	316.0	310.0	472.0	480.0
Limit (dB)	13.3	13.4	9.8	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.0	13.6	12.6
Freq. (MHz)	254.0	262.0	476.0	480.0
Limit (dB)	12.2	11.9	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	10.8	43.8	41.2
Freq. (MHz)	3.8	3.4	500.0	425.0
Limit (dB)	59.5	60.4	-23.2	-17.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.7	11.1	45.1	45.2
Freq. (MHz)	4.0	3.4	496.0	479.0
Limit (dB)	56.4	57.9	-25.8	-24.4

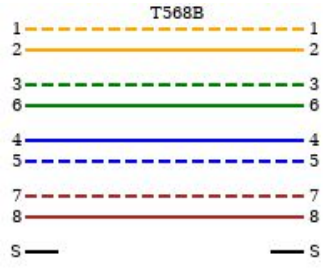
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.0	5.6	6.0	5.6
Freq. (MHz)	473.0	473.0	473.0	473.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

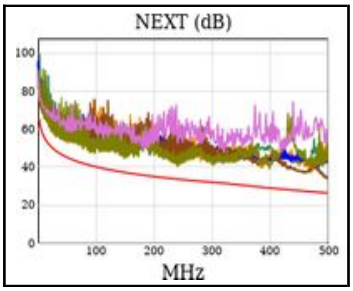
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

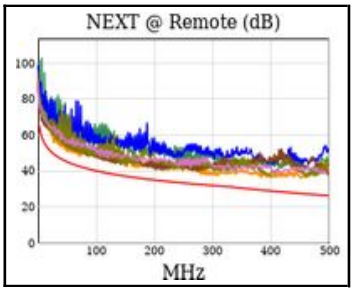


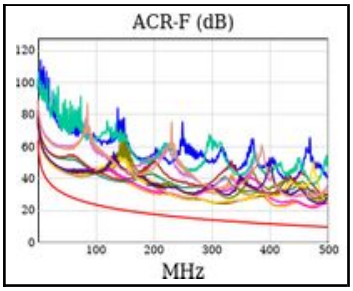
PASS

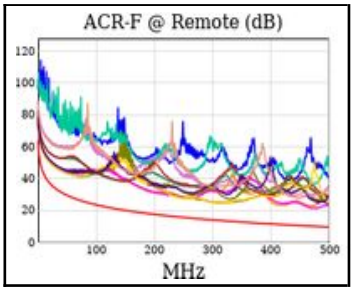


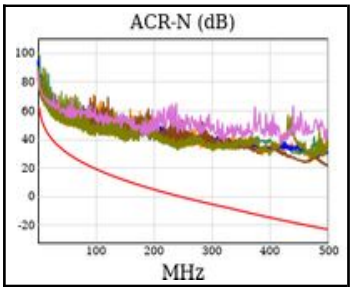


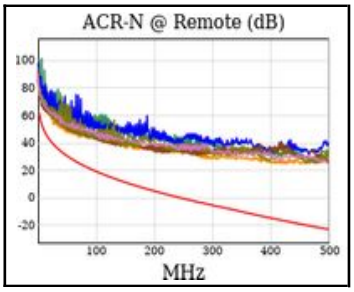


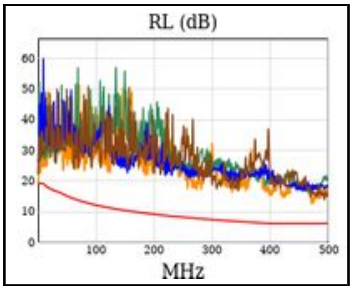


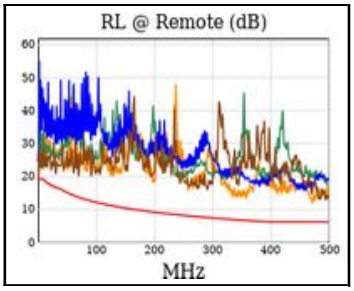












FLUKE networks

LinkWare Live

Cable ID: 155-3-B

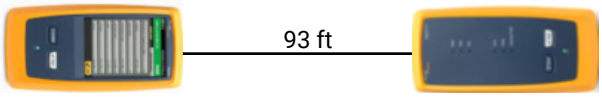
Test Summary: PASS

Date / Time: 12/10/2022 12:44:15 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

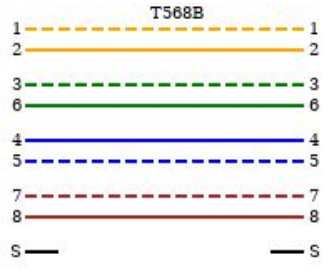
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

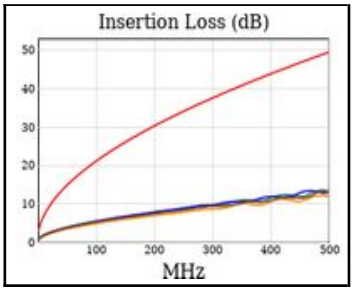
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	93
Prop. Delay (ns), Limit 555	[Pair 4,5]	147
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	9.0
Insertion Loss Margin (dB)	[Pair 3,6]	35.5
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

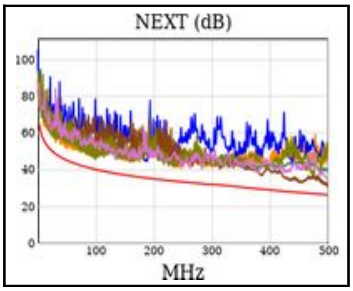


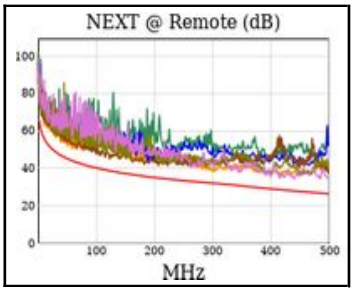
PASS



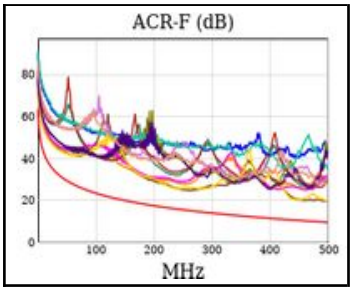


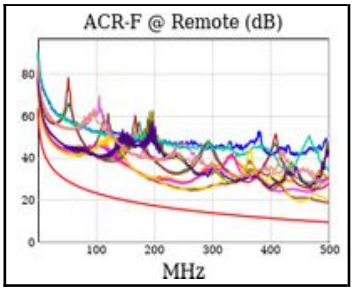
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	4.1	5.8	4.1	7.5
Freq. (MHz)	500.0	416.0	500.0	486.0
Limit (dB)	26.1	28.3	26.1	26.4
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	5.5	6.3	5.5	8.0
Freq. (MHz)	500.0	67.5	500.0	451.0
Limit (dB)	23.2	40.0	23.2	24.4



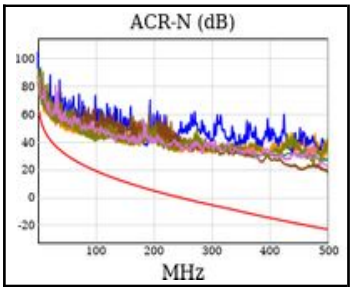


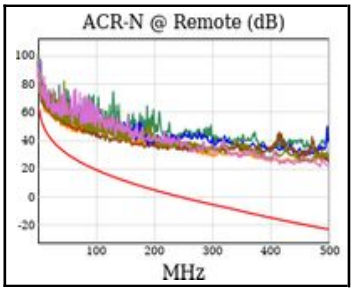
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.3	8.8	9.8	9.2
Freq. (MHz)	251.0	453.0	498.0	498.0
Limit (dB)	15.3	10.1	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.7	10.4	11.9	10.8
Freq. (MHz)	242.0	1.1	498.0	474.0
Limit (dB)	12.6	59.2	6.3	6.7



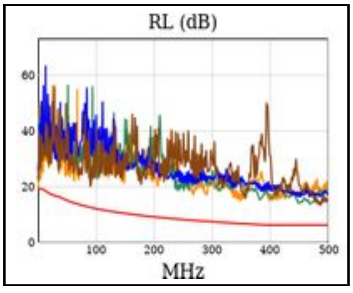


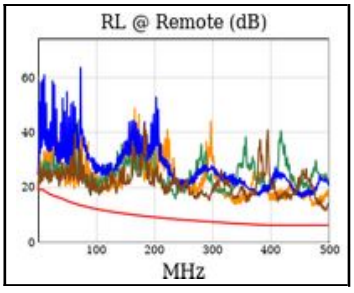
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.2	11.7	40.5	43.0
Freq. (MHz)	3.3	3.4	500.0	486.0
Limit (dB)	60.7	60.4	-23.2	-22.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.1	10.8	41.9	45.9
Freq. (MHz)	3.6	3.5	500.0	500.0
Limit (dB)	57.3	57.6	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.9	4.2	6.9	5.2
Freq. (MHz)	489.0	37.5	489.0	493.0
Limit (dB)	6.0	16.1	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 155-4-A

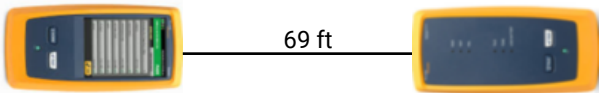
Test Summary: PASS

Date / Time: 12/10/2022 12:35:17 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

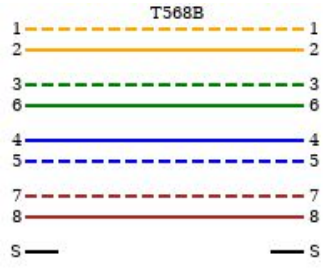
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

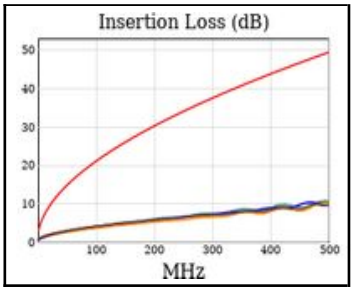
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

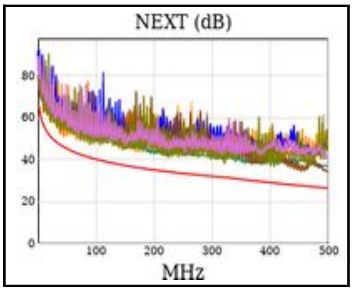
Length (ft), Limit 328	[Pair 1,2]	69
Prop. Delay (ns), Limit 555	[Pair 4,5]	108
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	12.3
Insertion Loss Margin (dB)	[Pair 3,6]	38.3
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

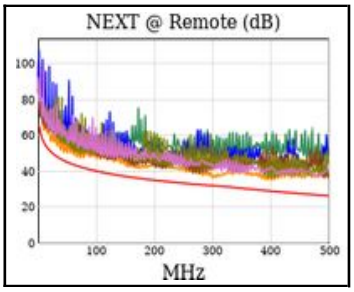


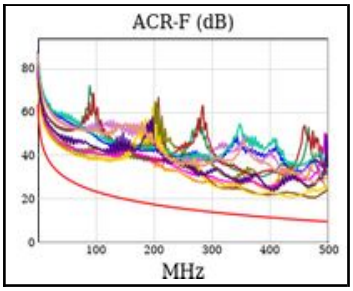
PASS

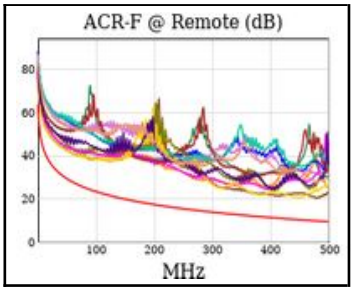


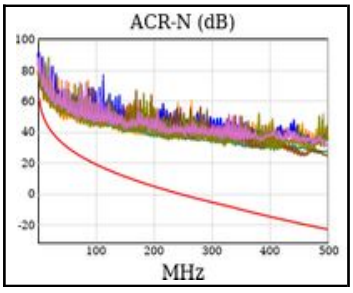


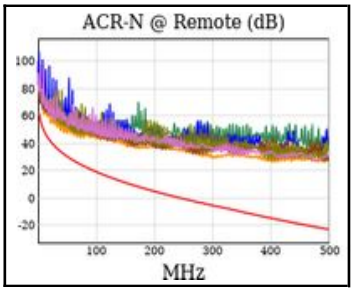


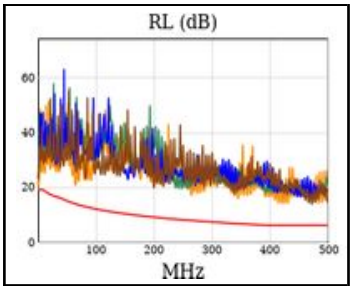


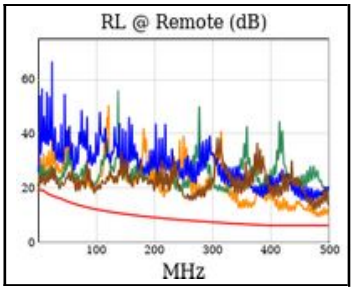












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	4.2	7.8	6.0
Freq. (MHz)	45.5	301.0	499.0	403.0
Limit (dB)	45.7	31.7	26.1	28.6
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.2	5.0	8.3	5.7
Freq. (MHz)	39.5	73.5	499.0	402.0
Limit (dB)	44.0	39.4	23.3	25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.8	10.5	10.4
Freq. (MHz)	397.0	382.0	478.0	479.0
Limit (dB)	11.3	11.6	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.0	10.8	10.1
Freq. (MHz)	402.0	397.0	408.0	409.0
Limit (dB)	8.2	8.3	8.0	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	11.9	44.3	41.3
Freq. (MHz)	10.8	4.8	460.0	408.0
Limit (dB)	49.4	57.3	-20.0	-15.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.6	11.7	48.1	47.5
Freq. (MHz)	6.0	4.6	499.0	494.0
Limit (dB)	52.6	55.1	-26.0	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	7.4	3.1	7.4	3.1
Freq. (MHz)	473.0	484.0	473.0	484.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 155-4-B

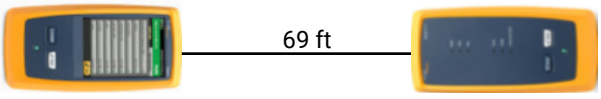
Test Summary: PASS

Date / Time: 12/10/2022 12:35:47 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

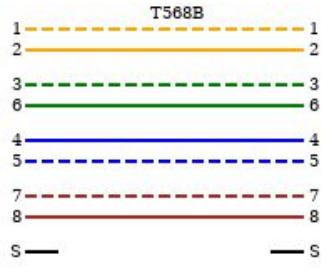
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

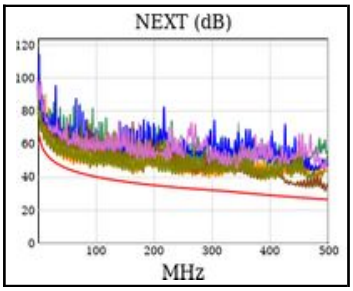
Length (ft), Limit 328	[Pair 1,2]	69
Prop. Delay (ns), Limit 555	[Pair 4,5]	107
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 7,8]	12.2
Insertion Loss Margin (dB)	[Pair 3,6]	37.9
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

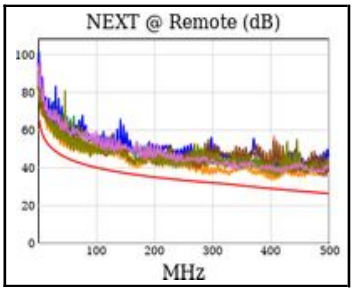


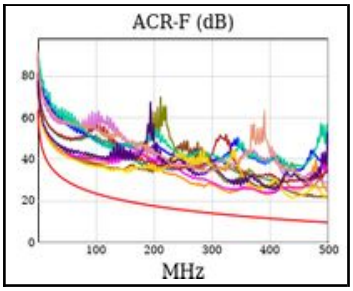
PASS

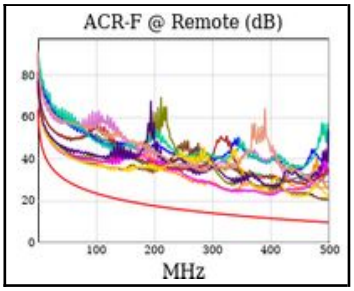


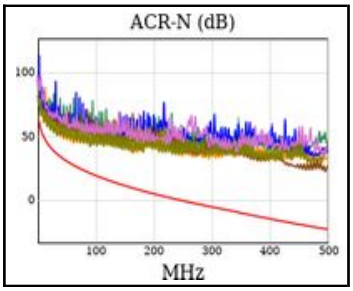


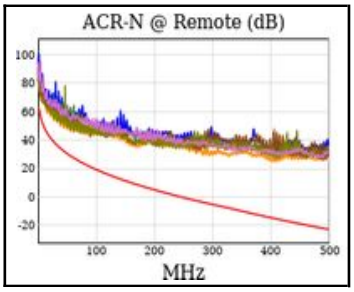


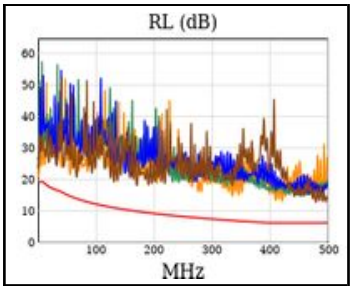


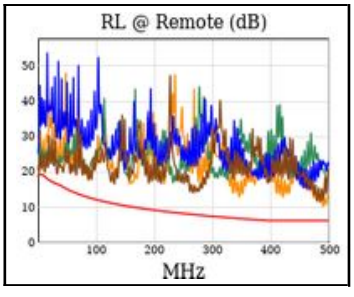












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	3.6	4.9	4.5
Freq. (MHz)	62.5	170.5	496.0	409.0
Limit (dB)	43.4	36.0	26.2	28.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	3.6	7.4	5.0
Freq. (MHz)	34.0	164.5	496.0	409.0
Limit (dB)	45.1	33.3	23.3	25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.4	11.4	10.4
Freq. (MHz)	440.0	493.0	498.0	493.0
Limit (dB)	10.4	9.4	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	9.8	12.8	12.9
Freq. (MHz)	5.6	5.3	498.0	493.0
Limit (dB)	45.3	45.9	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	11.8	44.6	39.5
Freq. (MHz)	6.1	5.6	496.0	409.0
Limit (dB)	55.0	55.8	-22.9	-15.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	11.7	45.9	46.1
Freq. (MHz)	6.0	5.3	496.0	490.0
Limit (dB)	52.6	53.9	-25.8	-25.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.3	3.9	6.3	3.9
Freq. (MHz)	480.0	491.0	480.0	491.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 156-A

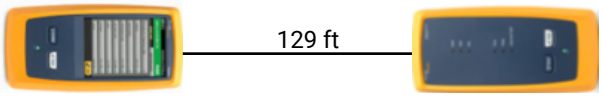
Test Summary: PASS

Date / Time: 11/23/2022 05:12:42 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

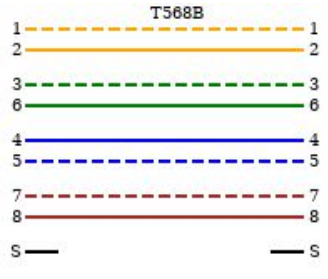
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	129
Prop. Delay (ns), Limit 555	[Pair 4,5]	203
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	7.6
Insertion Loss Margin (dB)	[Pair 3,6]	30.2
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9



PASS



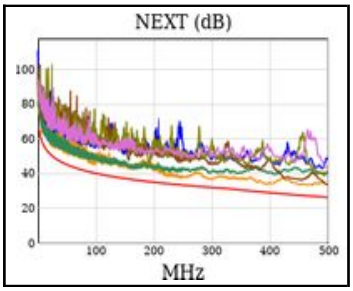
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	3.7	6.1	4.7
Freq. (MHz)	245.0	97.0	474.0	497.0
Limit (dB)	33.3	40.2	26.7	26.2
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	5.1	5.3	6.7	6.1
Freq. (MHz)	225.5	100.0	499.0	488.0
Limit (dB)	30.9	37.1	23.3	23.5

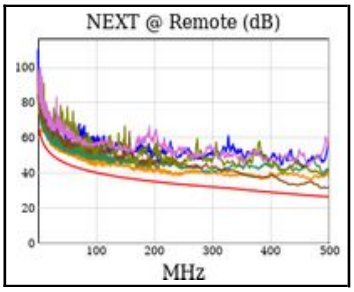
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.1	10.7	10.3	10.7
Freq. (MHz)	452.0	498.0	499.0	498.0
Limit (dB)	10.2	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.5	10.9	11.6
Freq. (MHz)	9.1	8.5	495.0	493.0
Limit (dB)	41.1	41.7	6.4	6.4

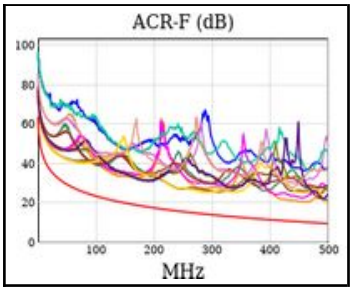
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.9	8.6	38.0	36.8
Freq. (MHz)	8.3	8.3	499.0	497.0
Limit (dB)	52.1	52.1	-23.1	-23.0
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	11.2	10.5	37.6	36.5
Freq. (MHz)	8.3	8.3	499.0	491.0
Limit (dB)	49.5	49.5	-26.0	-25.4

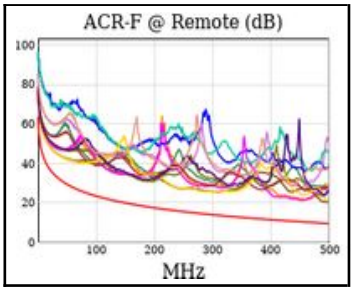
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	1,2
RL (dB)	7.9	6.7	7.9	8.2
Freq. (MHz)	403.0	69.5	403.0	472.0
Limit (dB)	6.0	13.6	6.0	6.0

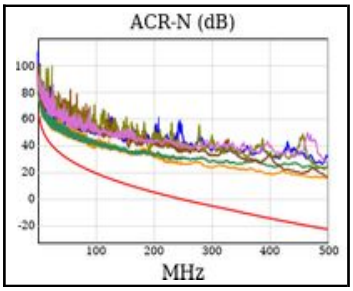


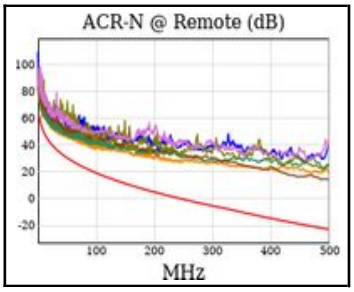


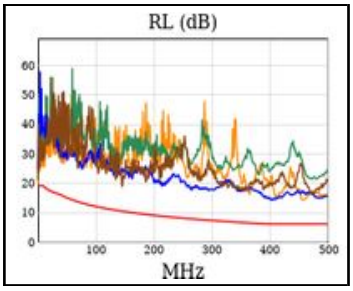


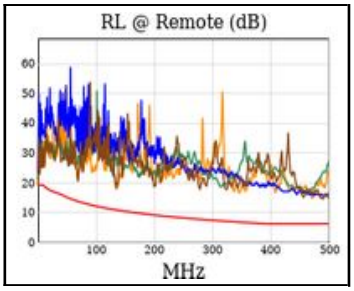












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 156-B

Test Summary: PASS

Date / Time: 11/23/2022 05:13:09 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	201
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	31.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.5	3.4	6.3	4.0
Freq. (MHz)	225.5	64.8	500.0	499.0
Limit (dB)	33.9	43.1	26.1	26.1
Worst Pair	1,2	1,2	3,6	4,5
PS NEXT (dB)	5.9	5.3	7.0	5.3
Freq. (MHz)	64.5	226.0	500.0	499.0
Limit (dB)	40.4	30.9	23.2	23.3

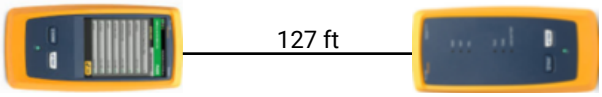
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.5	10.3	9.6
Freq. (MHz)	440.0	452.0	491.0	453.0
Limit (dB)	10.4	10.2	9.4	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.0	11.1	11.2	11.3
Freq. (MHz)	452.0	8.5	463.0	453.0
Limit (dB)	7.2	41.7	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.8	8.1	38.5	36.1
Freq. (MHz)	5.5	5.5	500.0	499.0
Limit (dB)	56.0	56.0	-23.2	-23.1
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.9	10.0	38.2	37.6
Freq. (MHz)	5.8	5.4	500.0	500.0
Limit (dB)	53.0	53.7	-26.1	-26.1

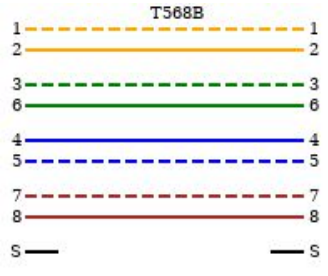
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	7.1	6.6	7.1	7.2
Freq. (MHz)	497.0	67.8	497.0	492.0
Limit (dB)	6.0	13.7	6.0	6.0

Compliant Network Standards:

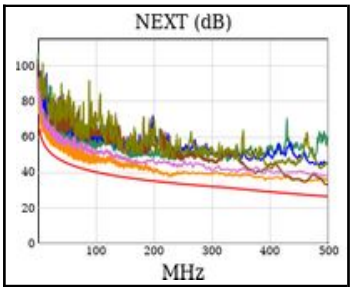
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

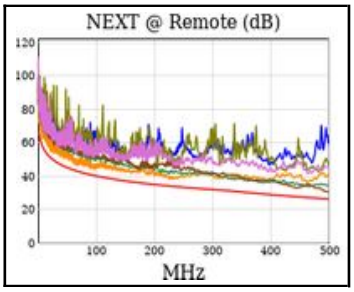


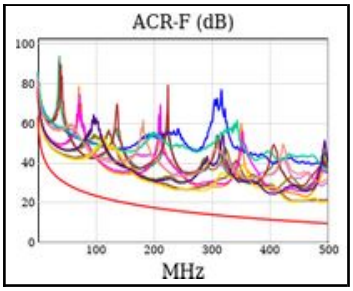
PASS

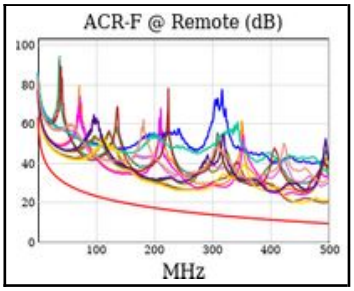


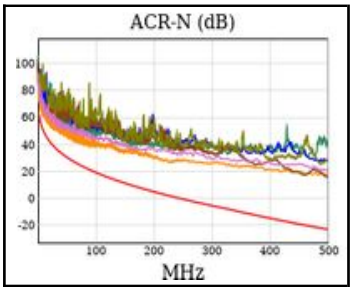


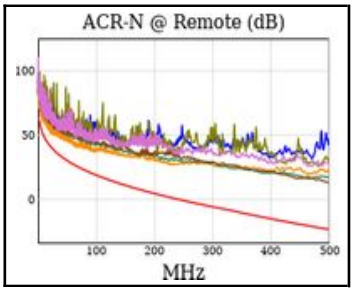


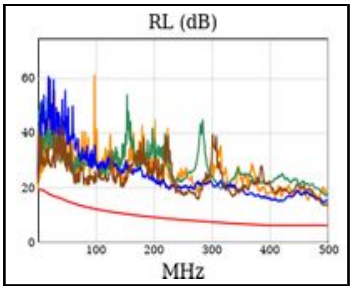


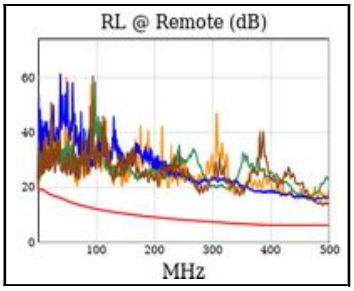












FLUKE networks

LinkWare Live

Cable ID: 154-B

Test Summary: PASS

Date / Time: 12/17/2022 07:24:19 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	290
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	23.8
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	7.2	5.3	7.2
Freq. (MHz)	178.5	461.0	460.0	461.0
Limit (dB)	35.6	27.1	27.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	9.2	5.8	9.9
Freq. (MHz)	167.0	461.0	460.0	493.0
Limit (dB)	33.2	24.2	24.2	23.4

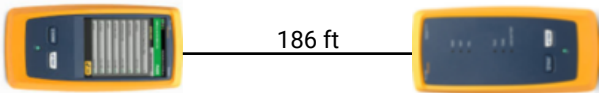
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.0	11.0	11.5	12.1
Freq. (MHz)	239.0	239.0	499.0	500.0
Limit (dB)	15.7	15.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.5	11.9	12.3
Freq. (MHz)	9.8	248.5	465.0	455.0
Limit (dB)	40.5	12.4	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	11.2	28.8	30.3
Freq. (MHz)	3.4	3.4	460.0	461.0
Limit (dB)	60.4	60.4	-20.0	-20.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	11.1	29.3	33.5
Freq. (MHz)	5.1	3.4	460.0	493.0
Limit (dB)	54.1	57.9	-22.9	-25.5

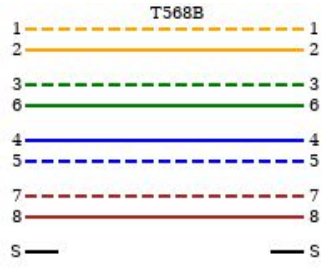
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	3,6
RL (dB)	6.3	6.2	6.7	7.3
Freq. (MHz)	57.5	10.1	484.0	460.0
Limit (dB)	14.4	19.0	6.0	6.0

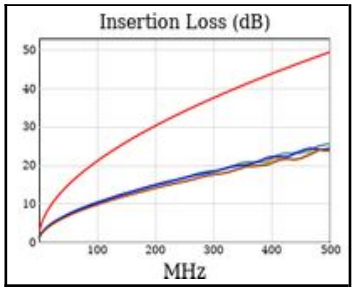
Compliant Network Standards:

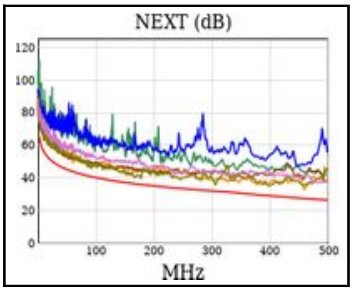
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

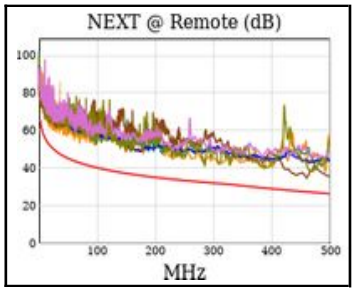


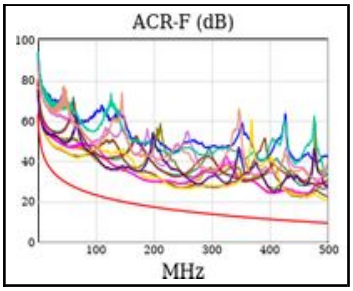
PASS

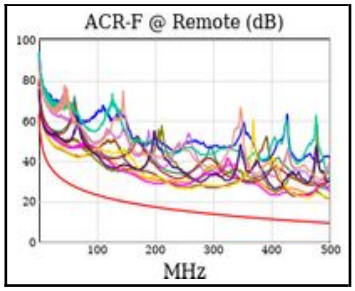


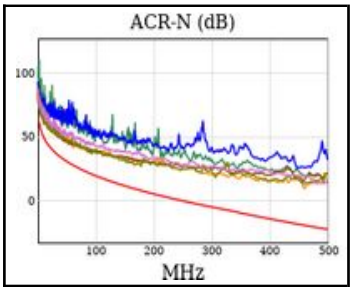


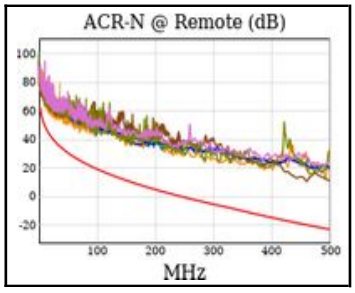


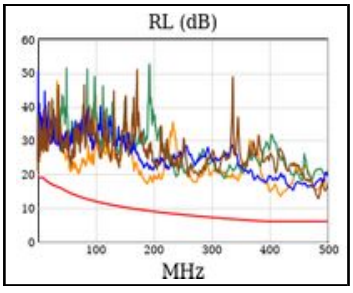


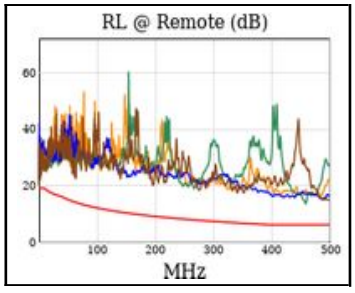












FLUKE networks

LinkWare Live

Cable ID: 155-A

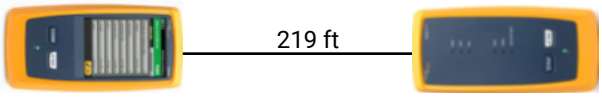
Test Summary: PASS

Date / Time: 12/17/2022 07:21:59 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

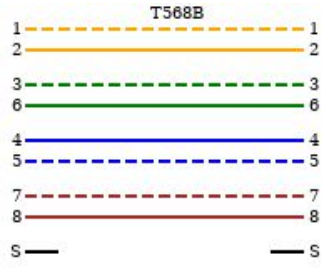
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

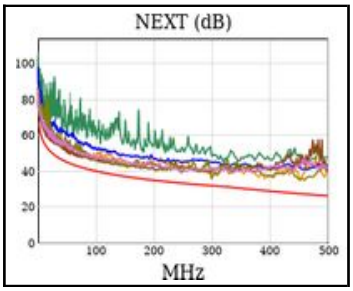
Length (ft), Limit 328	[Pair 7,8]	219
Prop. Delay (ns), Limit 555	[Pair 4,5]	341
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 7,8]	11.7
Insertion Loss Margin (dB)	[Pair 3,6]	20.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

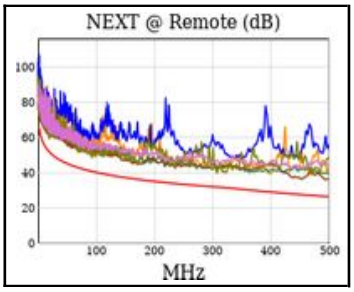


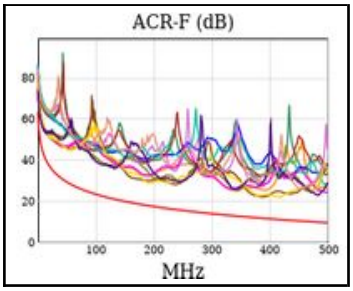
PASS

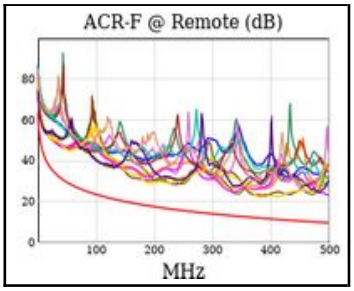


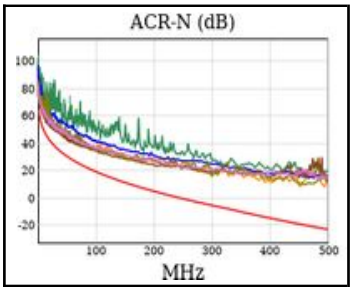


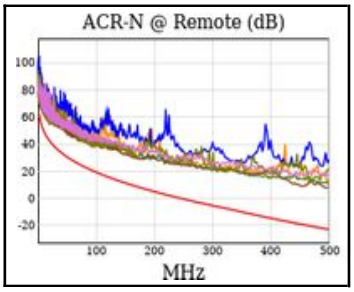


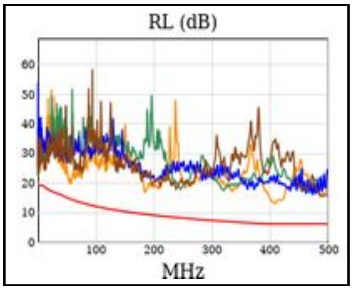


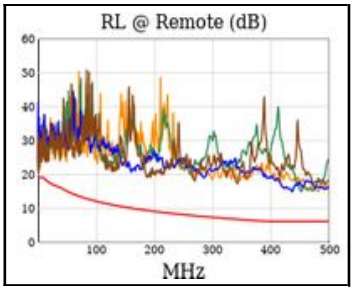












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	5.9	7.3	9.4
Freq. (MHz)	301.0	3.0	453.0	495.0
Limit (dB)	31.7	65.0	27.3	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.9	6.3	7.3	10.5
Freq. (MHz)	155.5	3.0	452.0	495.0
Limit (dB)	33.8	62.0	24.4	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.3	10.9	10.4
Freq. (MHz)	388.0	384.0	418.0	385.0
Limit (dB)	11.5	11.6	10.8	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.7	11.5	11.7
Freq. (MHz)	5.1	5.1	385.0	385.0
Limit (dB)	46.1	46.1	8.5	8.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.2	7.6	30.6	30.2
Freq. (MHz)	3.0	3.0	495.0	495.0
Limit (dB)	61.4	61.4	-22.8	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.1	7.9	27.5	31.2
Freq. (MHz)	4.4	3.0	452.0	498.0
Limit (dB)	55.6	58.4	-22.3	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.0	5.2	6.9	8.7
Freq. (MHz)	58.0	14.8	408.0	483.0
Limit (dB)	14.4	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 155-B

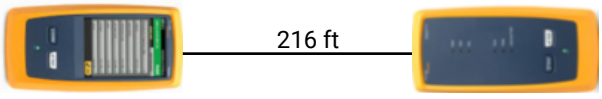
Test Summary: PASS

Date / Time: 12/17/2022 07:22:17 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

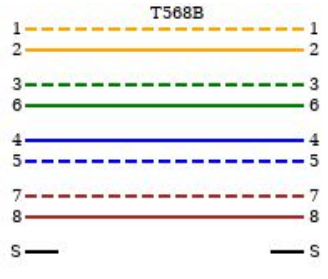
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

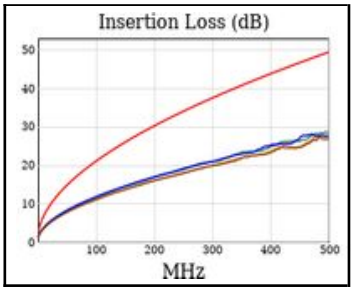
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

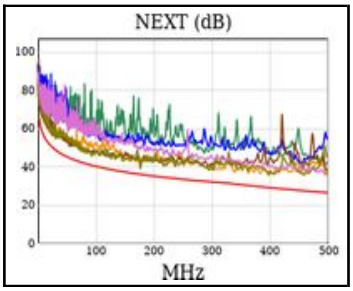
Length (ft), Limit 328	[Pair 7,8]	216
Prop. Delay (ns), Limit 555	[Pair 4,5]	335
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	12.1
Insertion Loss Margin (dB)	[Pair 3,6]	20.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

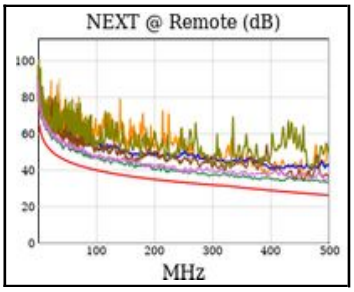


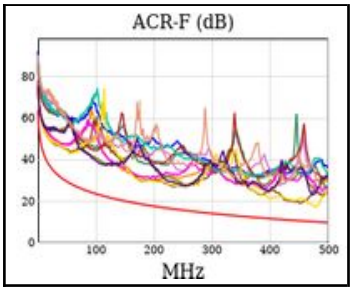
PASS

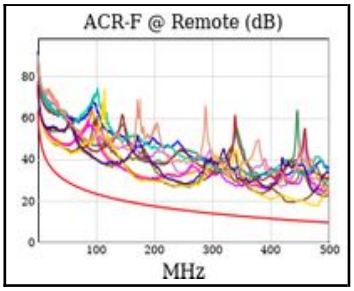


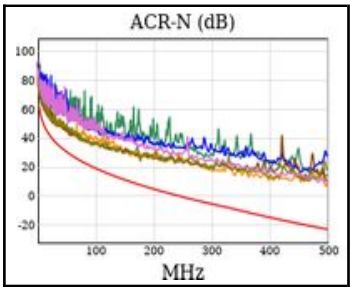


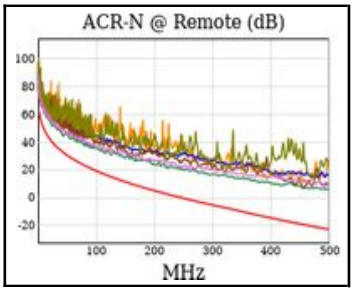


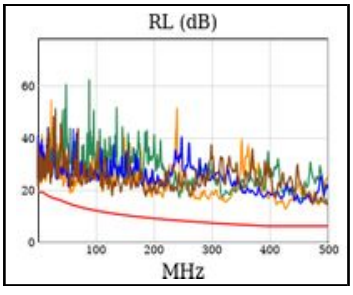


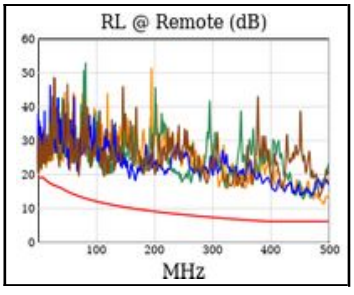












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	2.9	4.6	8.6	6.7
Freq. (MHz)	177.0	221.5	497.0	497.0
Limit (dB)	35.7	34.0	26.2	26.2
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	3.5	4.9	6.0	6.5
Freq. (MHz)	177.0	168.0	398.0	496.0
Limit (dB)	32.8	33.2	25.8	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	7.2	7.8	7.2	7.8
Freq. (MHz)	480.0	481.0	480.0	481.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	9.2	9.8	9.3	9.8
Freq. (MHz)	479.0	481.0	480.0	481.0
Limit (dB)	6.7	6.6	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	7.4	8.2	29.3	28.3
Freq. (MHz)	2.9	3.0	497.0	497.0
Limit (dB)	61.4	61.4	-23.0	-23.0
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-N (dB)	8.5	9.1	30.5	28.0
Freq. (MHz)	3.0	3.1	498.0	496.0
Limit (dB)	58.4	58.3	-25.9	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.0	3.7	6.7	5.1
Freq. (MHz)	56.0	14.8	429.0	492.0
Limit (dB)	14.5	18.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 156-A

Test Summary: PASS

Date / Time: 12/17/2022 07:19:48 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	223
Prop. Delay (ns), Limit 555	[Pair 4,5]	346
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	19.7
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	6.6	7.1	9.0
Freq. (MHz)	224.5	98.3	450.0	496.0
Limit (dB)	33.9	40.1	27.3	26.2
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	4.2	7.3	7.5	9.9
Freq. (MHz)	305.0	252.0	451.0	475.0
Limit (dB)	28.6	30.1	24.4	23.8

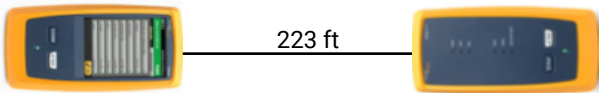
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.8	10.4	11.2	10.4
Freq. (MHz)	440.0	435.0	486.0	435.0
Limit (dB)	10.4	10.5	9.5	10.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.6	11.2	12.5
Freq. (MHz)	489.0	3.5	489.0	489.0
Limit (dB)	6.5	49.4	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.0	10.0	27.8	29.6
Freq. (MHz)	2.9	2.9	471.0	496.0
Limit (dB)	61.4	61.4	-20.9	-22.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	10.2	28.6	30.4
Freq. (MHz)	4.4	3.0	471.0	497.0
Limit (dB)	55.6	58.4	-23.8	-25.8

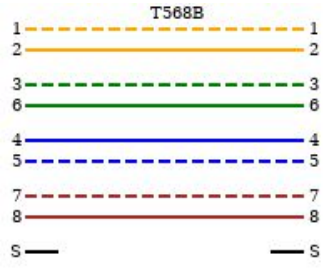
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	3,6
RL (dB)	5.6	3.4	8.1	8.1
Freq. (MHz)	64.0	17.5	407.0	459.0
Limit (dB)	13.9	17.8	6.0	6.0

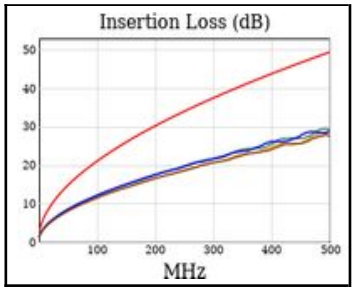
Compliant Network Standards:

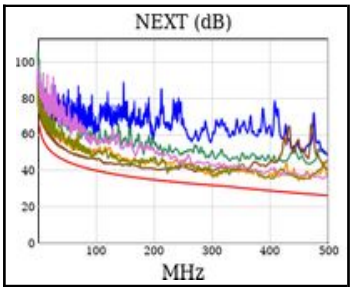
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

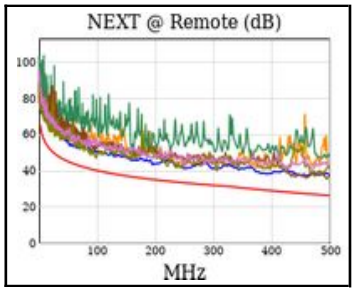


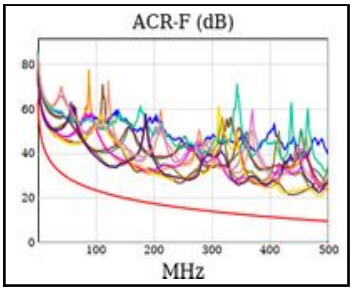
PASS

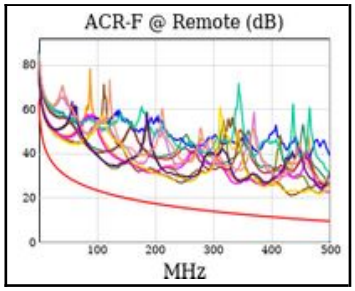


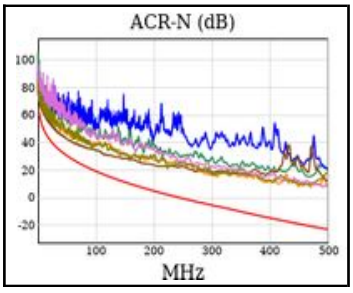


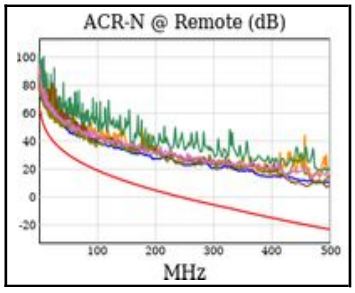


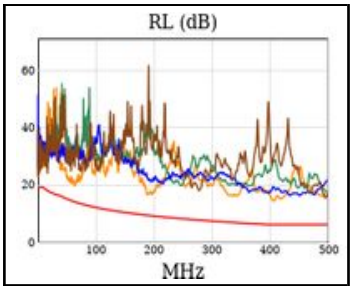


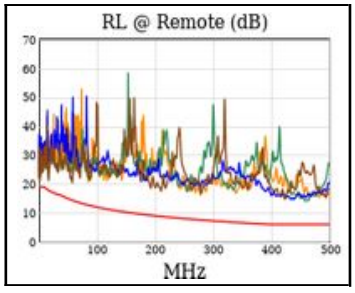












FLUKE networks

LinkWare Live

Cable ID: 154-B

Test Summary: PASS

Date / Time: 12/17/2022 11:34:17 AM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	74
Prop. Delay (ns), Limit 555	[Pair 4,5]	118
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	37.2
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	3.4	4.5	7.6	7.9
Freq. (MHz)	167.0	173.5	485.0	493.0
Limit (dB)	36.1	35.8	26.5	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.3	4.2	8.8	10.4
Freq. (MHz)	167.5	173.0	499.0	494.0
Limit (dB)	33.2	32.9	23.3	23.4

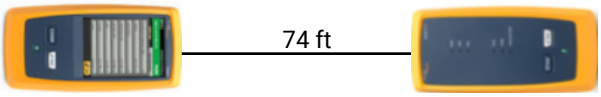
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.5	9.5	9.8
Freq. (MHz)	486.0	443.0	486.0	466.0
Limit (dB)	9.5	10.3	9.5	9.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	10.6	10.8	12.0
Freq. (MHz)	5.6	5.8	491.0	466.0
Limit (dB)	45.3	45.1	6.4	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.6	10.3	45.7	46.8
Freq. (MHz)	4.1	4.6	485.0	493.0
Limit (dB)	58.6	57.6	-22.0	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	10.9	46.8	47.9
Freq. (MHz)	4.0	4.6	499.0	490.0
Limit (dB)	56.4	55.1	-26.0	-25.3

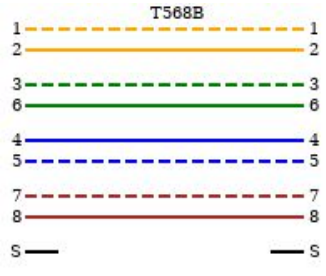
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.4	4.9	6.3	7.1
Freq. (MHz)	270.0	56.3	408.0	483.0
Limit (dB)	7.7	14.5	6.0	6.0

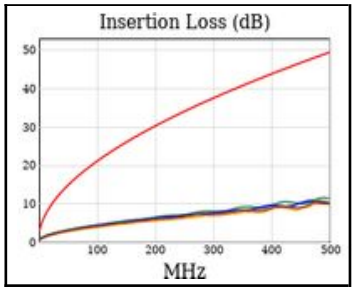
Compliant Network Standards:

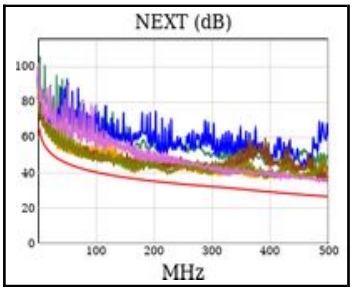
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

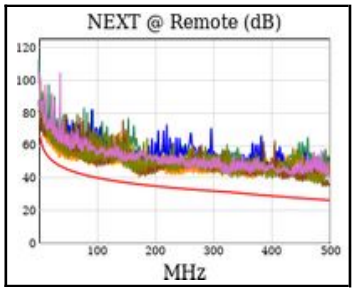


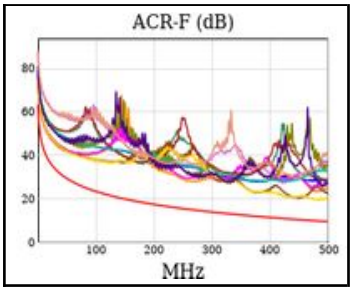
PASS

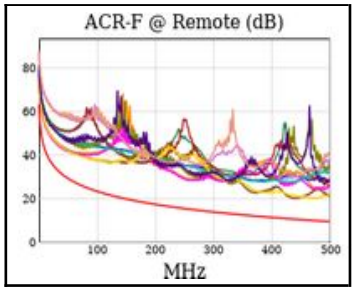


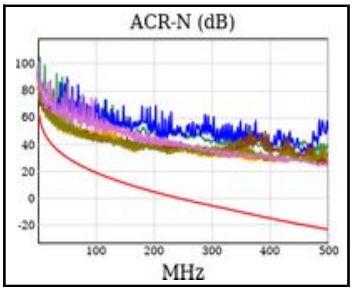


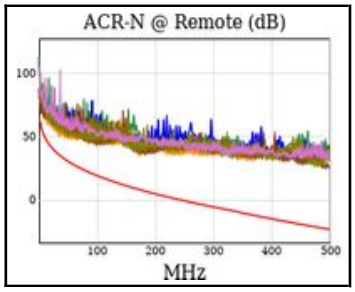


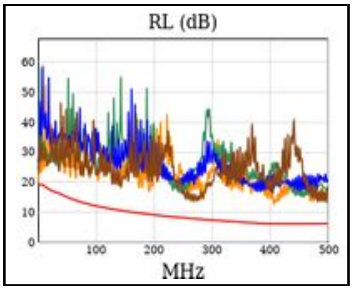


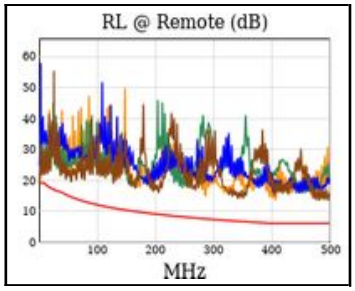












FLUKE networks

LinkWare Live

Cable ID: 156-A

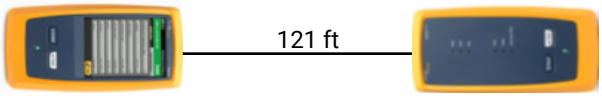
Test Summary: PASS

Date / Time: 12/17/2022 11:35:35 AM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

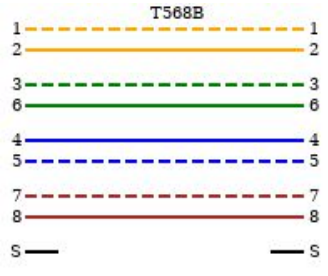
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

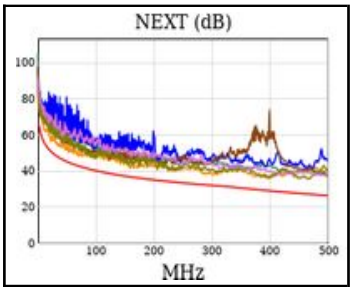
Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	191
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	32.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

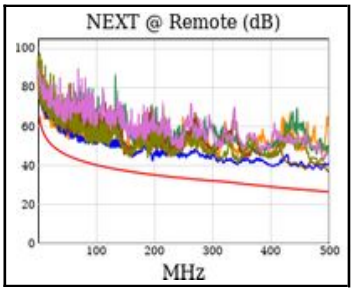


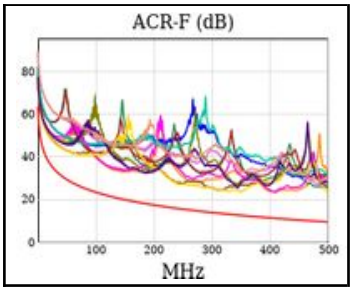
PASS

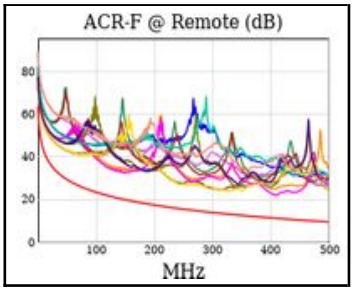


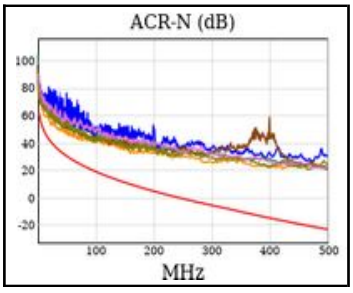


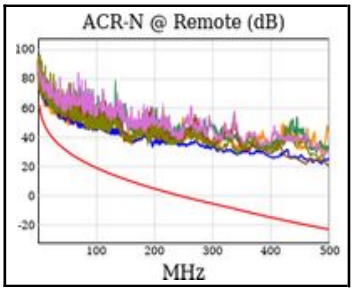


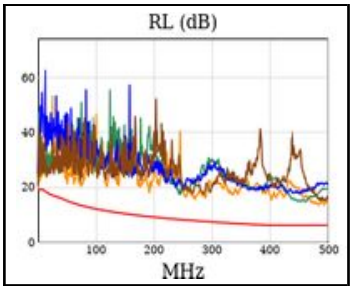


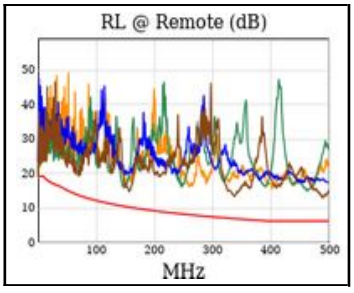












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.6	6.7	8.1	10.2
Freq. (MHz)	160.5	161.0	466.0	500.0
Limit (dB)	36.4	36.4	26.9	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.1	7.0	8.7	12.4
Freq. (MHz)	159.5	161.0	466.0	500.0
Limit (dB)	33.6	33.5	24.0	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.6	10.7	12.1	10.8
Freq. (MHz)	329.0	329.0	411.0	411.0
Limit (dB)	12.9	12.9	11.0	11.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	12.6	11.9
Freq. (MHz)	6.8	9.1	401.0	410.0
Limit (dB)	43.7	41.1	8.2	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	11.1	11.4	40.8	43.4
Freq. (MHz)	4.6	2.8	466.0	500.0
Limit (dB)	57.6	61.5	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	10.5	42.3	44.9
Freq. (MHz)	5.4	3.1	496.0	500.0
Limit (dB)	53.7	58.3	-25.8	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.2	4.5	7.2	6.5
Freq. (MHz)	51.8	157.5	494.0	490.0
Limit (dB)	14.9	10.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 156-B

Test Summary: PASS

Date / Time: 12/17/2022 11:35:59 AM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	191
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	31.5
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	4,5-7,8	3,6-4,5
NEXT (dB)	5.6	6.4	7.6	8.5
Freq. (MHz)	215.5	159.0	483.0	499.0
Limit (dB)	34.2	36.5	26.5	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.4	6.6	6.8	9.3
Freq. (MHz)	159.0	153.5	465.0	499.0
Limit (dB)	33.6	33.9	24.1	23.3

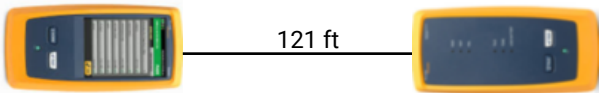
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.6	11.1	11.4
Freq. (MHz)	243.5	243.5	497.0	500.0
Limit (dB)	15.5	15.5	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.6	12.7
Freq. (MHz)	7.8	3.6	495.0	500.0
Limit (dB)	42.5	49.1	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.5	10.9	40.2	41.4
Freq. (MHz)	2.6	2.8	486.0	499.0
Limit (dB)	61.6	61.5	-22.1	-23.1
Worst Pair	3,6	3,6	7,8	4,5
PS ACR-N (dB)	10.2	11.0	39.9	42.3
Freq. (MHz)	5.4	5.6	471.0	499.0
Limit (dB)	53.7	53.2	-23.8	-26.0

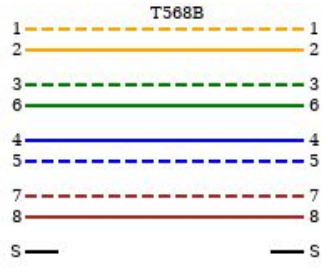
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.9	4.8	7.5	7.2
Freq. (MHz)	71.8	153.0	493.0	495.0
Limit (dB)	13.4	10.2	6.0	6.0

Compliant Network Standards:

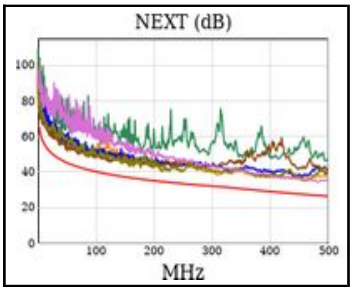
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

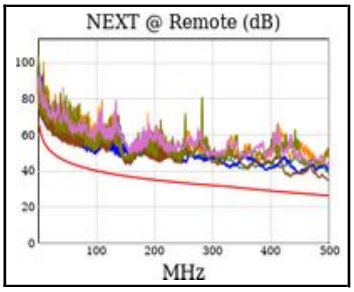


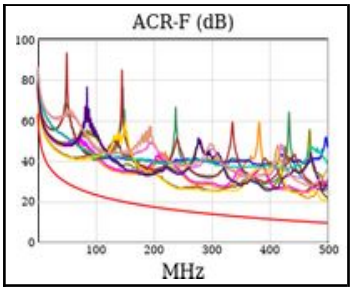
PASS

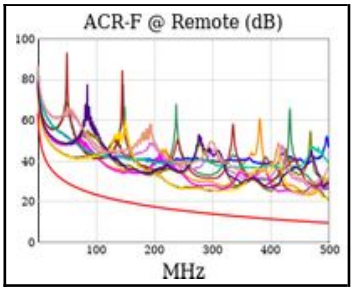


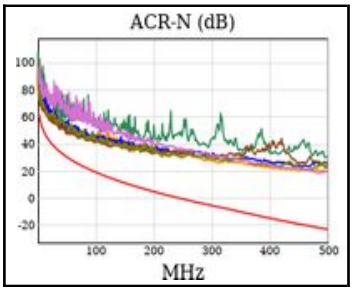


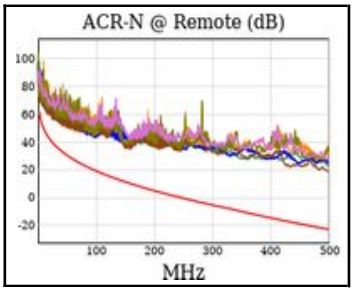


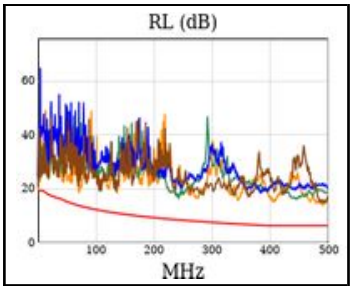


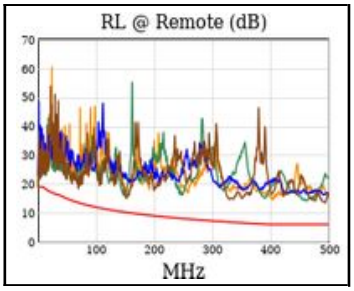












FLUKE networks

LinkWare Live

Cable ID: 157-A

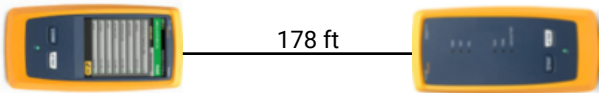
Test Summary: PASS

Date / Time: 12/04/2022 11:44:49 AM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

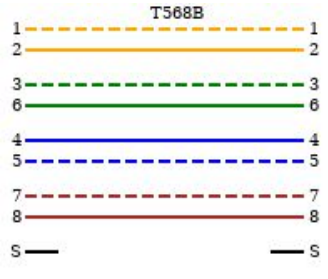
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

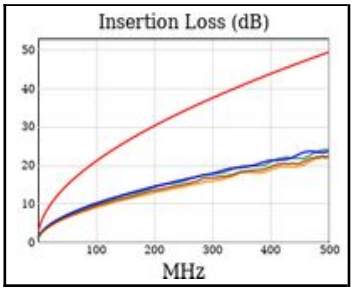
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

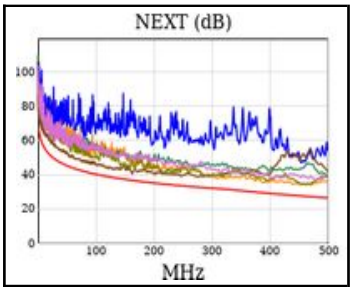
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 4,5]	283
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	8.6
Insertion Loss Margin (dB)	[Pair 3,6]	25.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

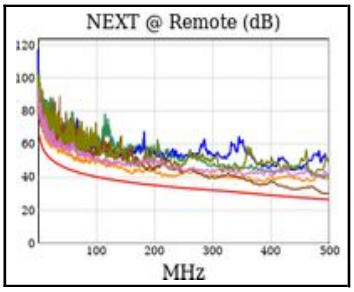


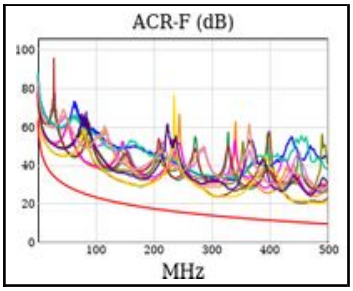
PASS

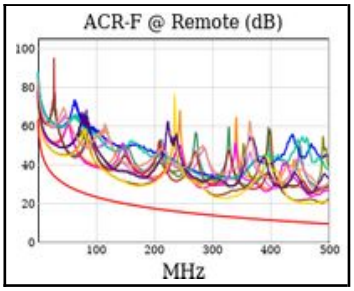


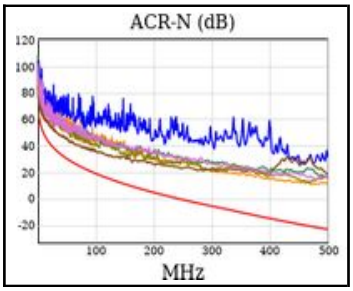


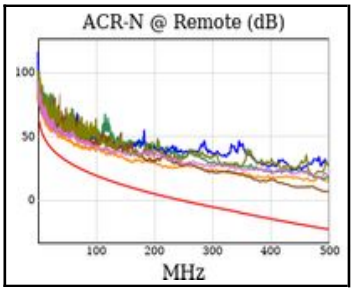


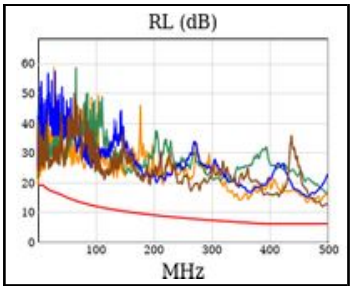


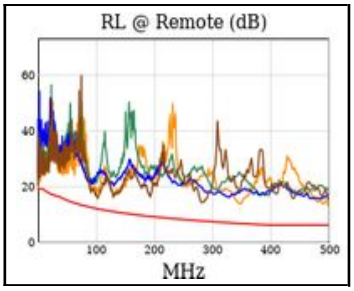












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	3.4	6.7	3.5
Freq. (MHz)	163.5	494.0	470.0	500.0
Limit (dB)	36.3	26.2	26.8	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.8	5.6	6.6	5.7
Freq. (MHz)	216.0	494.0	462.0	500.0
Limit (dB)	31.3	23.4	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	9.4	10.4	9.9
Freq. (MHz)	309.0	309.0	485.0	476.0
Limit (dB)	13.5	13.5	9.5	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	10.6	10.9	11.4
Freq. (MHz)	7.5	5.9	477.0	474.0
Limit (dB)	42.8	44.9	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.1	11.4	31.7	29.3
Freq. (MHz)	3.5	2.8	472.0	500.0
Limit (dB)	60.1	61.5	-21.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	12.3	31.8	31.2
Freq. (MHz)	3.5	3.8	470.0	500.0
Limit (dB)	57.6	57.0	-23.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.6	3.6	5.8	6.7
Freq. (MHz)	12.5	103.5	491.0	500.0
Limit (dB)	18.5	11.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 157-B

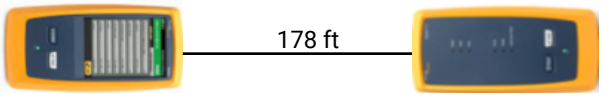
Test Summary: PASS

Date / Time: 12/04/2022 11:45:18 AM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

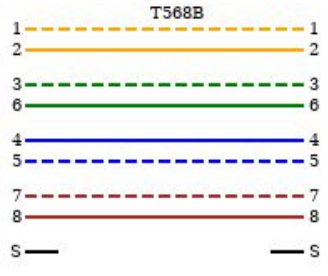
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

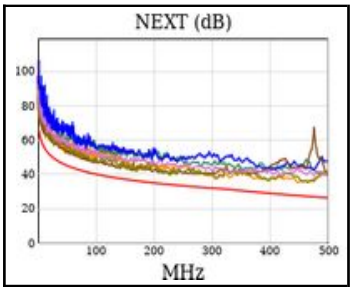
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 4,5]	283
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

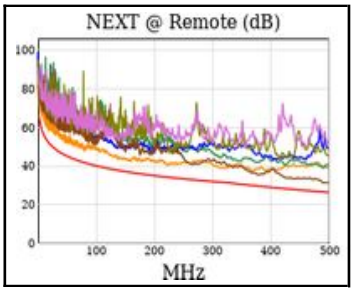


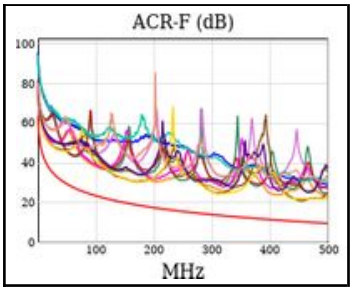
PASS

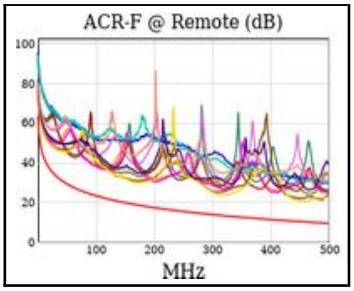


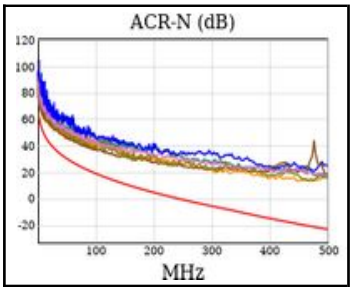


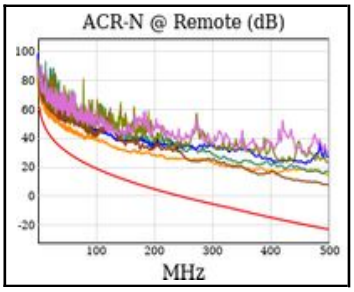


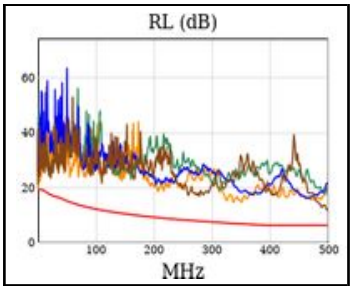


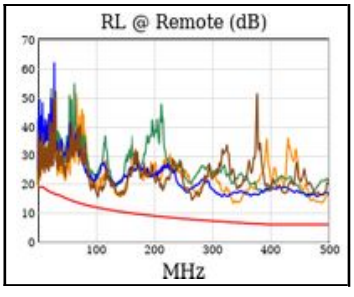












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.2	4.7	7.6	4.8
Freq. (MHz)	228.0	492.0	449.0	500.0
Limit (dB)	33.8	26.3	27.4	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.5	6.8	8.3	7.0
Freq. (MHz)	169.0	381.0	466.0	500.0
Limit (dB)	33.1	26.4	24.0	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	10.1	10.6	10.5
Freq. (MHz)	452.0	312.0	457.0	465.0
Limit (dB)	10.2	13.4	10.1	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.1	12.7	12.8
Freq. (MHz)	323.0	5.8	495.0	488.0
Limit (dB)	10.1	45.1	6.4	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	8.8	33.9	30.6
Freq. (MHz)	5.9	3.8	468.0	500.0
Limit (dB)	55.3	59.5	-20.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	10.0	33.8	32.2
Freq. (MHz)	3.5	4.0	476.0	500.0
Limit (dB)	57.6	56.4	-24.2	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.3	3.6	5.3	6.5
Freq. (MHz)	500.0	103.5	500.0	336.0
Limit (dB)	6.0	11.9	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 158-A

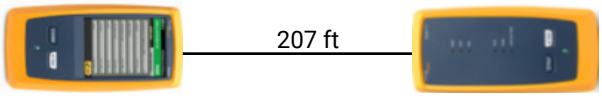
Test Summary: PASS

Date / Time: 12/04/2022 11:48:08 AM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

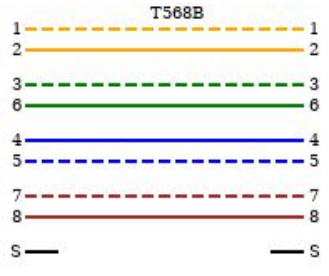
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

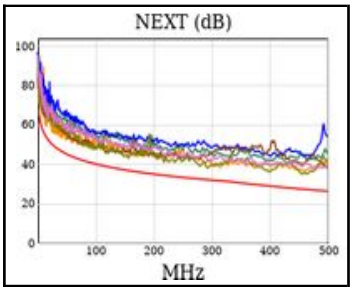
Length (ft), Limit 328	[Pair 1,2]	207
Prop. Delay (ns), Limit 555	[Pair 4,5]	325
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	21.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

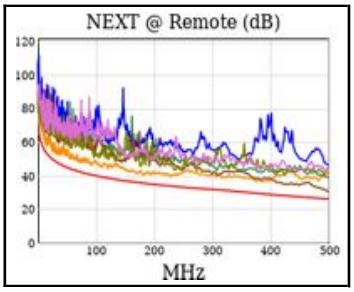


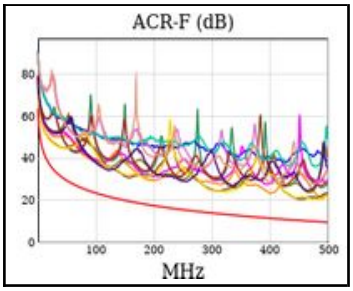
PASS

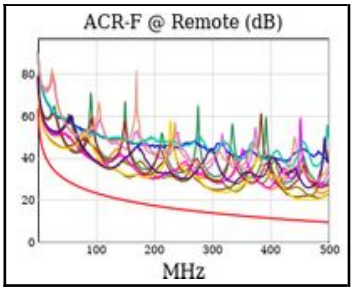


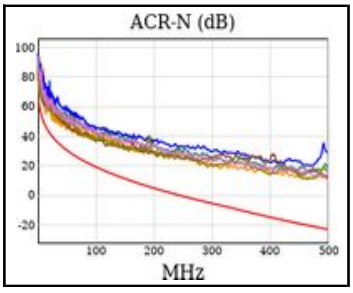


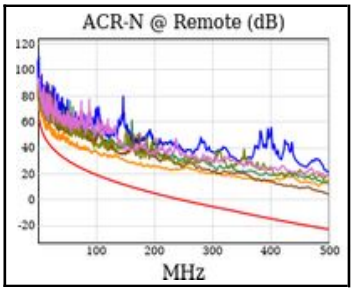


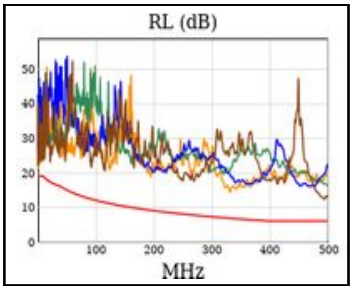


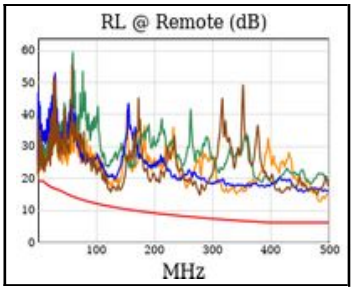












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.3	3.8	7.8	4.4
Freq. (MHz)	15.0	15.0	464.0	500.0
Limit (dB)	53.7	53.7	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.9	5.6	7.7	6.5
Freq. (MHz)	122.5	15.0	459.0	500.0
Limit (dB)	35.6	51.1	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	9.9	10.2	10.2
Freq. (MHz)	457.0	455.0	483.0	474.0
Limit (dB)	10.1	10.1	9.6	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	10.8	11.6
Freq. (MHz)	484.0	5.3	484.0	472.0
Limit (dB)	6.6	45.9	6.6	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	7.7	7.2	31.2	27.0
Freq. (MHz)	3.4	3.4	466.0	500.0
Limit (dB)	60.4	60.4	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	8.1	29.9	28.6
Freq. (MHz)	3.3	3.4	464.0	500.0
Limit (dB)	58.2	57.9	-23.2	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.0	3.2	6.2	6.5
Freq. (MHz)	9.0	12.3	495.0	486.0
Limit (dB)	19.0	18.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 158-B

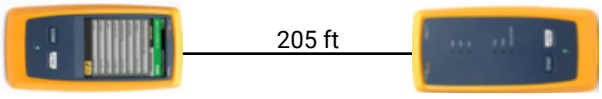
Test Summary: PASS

Date / Time: 12/04/2022 11:49:51 AM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

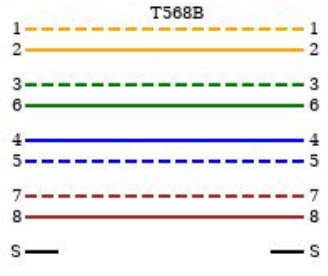
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

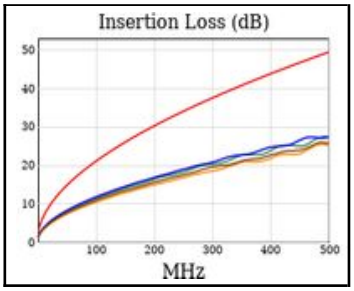
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

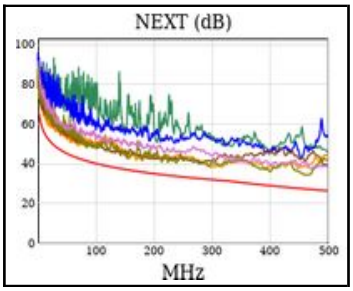
Length (ft), Limit 328	[Pair 1,2]	205
Prop. Delay (ns), Limit 555	[Pair 4,5]	326
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	21.7
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

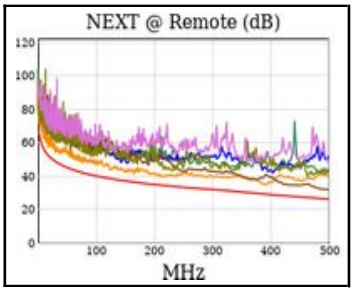


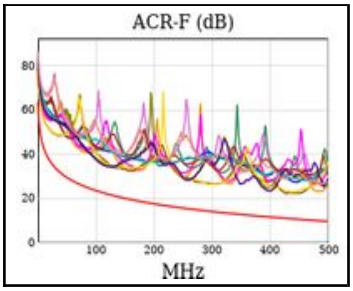
PASS

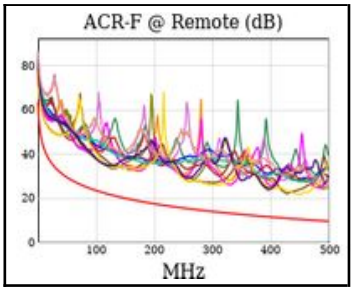


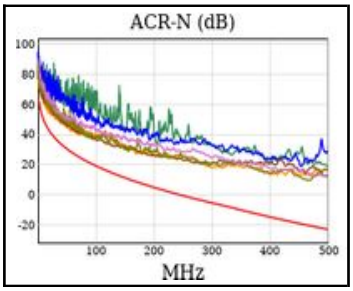


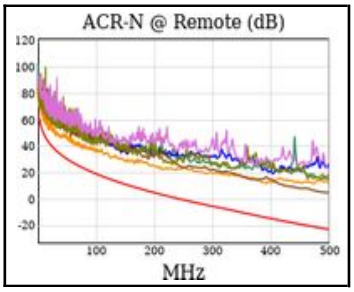


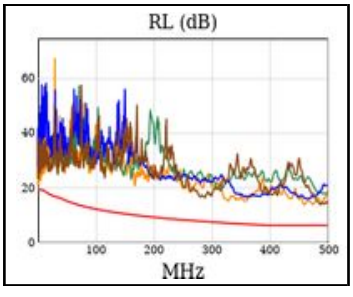


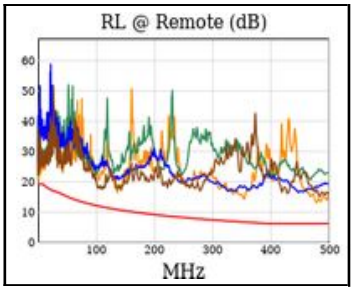












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.4	4.8	7.0	5.4
Freq. (MHz)	170.5	214.5	466.0	500.0
Limit (dB)	36.0	34.3	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.6	7.9	7.4
Freq. (MHz)	180.5	238.0	463.0	500.0
Limit (dB)	32.6	30.5	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	11.3	11.2	11.3	11.3
Freq. (MHz)	431.0	447.0	431.0	448.0
Limit (dB)	10.6	10.3	10.6	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.3	12.1	11.4	13.2
Freq. (MHz)	403.0	259.0	404.0	449.0
Limit (dB)	8.2	12.0	8.1	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	9.6	8.2	29.8	27.4
Freq. (MHz)	3.4	3.1	466.0	500.0
Limit (dB)	60.4	61.1	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	8.9	30.1	29.4
Freq. (MHz)	3.1	3.3	466.0	500.0
Limit (dB)	58.3	58.2	-23.4	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.5	4.9	7.5	6.8
Freq. (MHz)	9.0	9.0	460.0	479.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 160-A

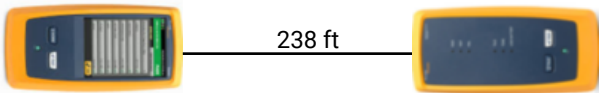
Test Summary: PASS

Date / Time: 12/04/2022 11:58:37 AM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

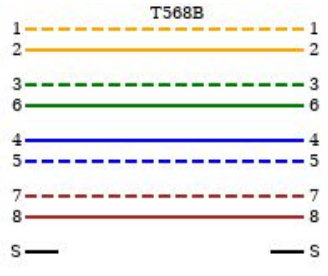
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

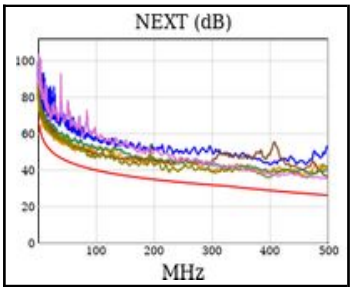
Length (ft), Limit 328	[Pair 1,2]	238
Prop. Delay (ns), Limit 555	[Pair 4,5]	378
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	14.4
Insertion Loss Margin (dB)	[Pair 4,5]	17.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

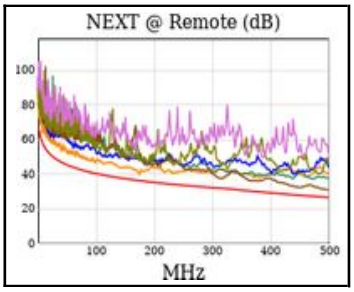


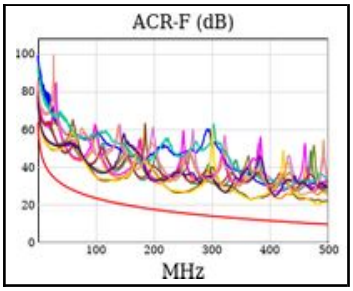
PASS

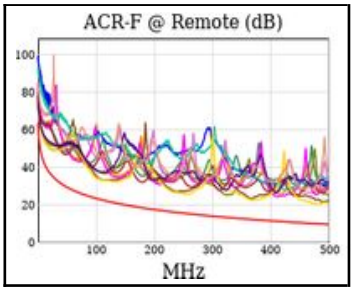


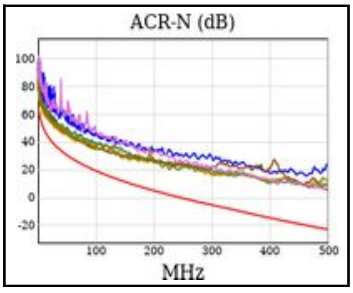


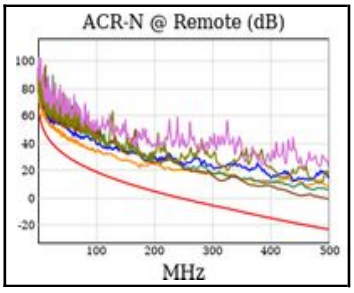


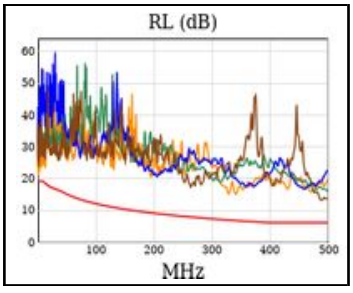


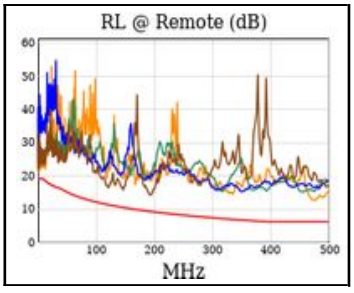












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	4.8	3.5	8.8	4.3
Freq. (MHz)	227.0	175.5	489.0	500.0
Limit (dB)	33.8	35.8	26.4	26.1
Worst Pair	3,6	1,2	4,5	4,5
PS NEXT (dB)	5.7	5.5	8.9	6.4
Freq. (MHz)	146.5	175.0	500.0	500.0
Limit (dB)	34.2	32.9	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.2	10.4	10.3
Freq. (MHz)	112.5	257.0	485.0	484.0
Limit (dB)	22.2	15.1	9.5	9.6
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.8	11.7	11.8	12.2
Freq. (MHz)	484.0	232.5	484.0	485.0
Limit (dB)	6.6	12.9	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	7.0	7.3	28.0	22.1
Freq. (MHz)	4.4	4.3	500.0	500.0
Limit (dB)	58.1	58.3	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	7.4	8.1	26.7	24.2
Freq. (MHz)	4.1	4.3	500.0	500.0
Limit (dB)	56.1	55.8	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.7	3.0	7.0	6.4
Freq. (MHz)	13.8	7.8	489.0	477.0
Limit (dB)	18.3	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 156-B-2

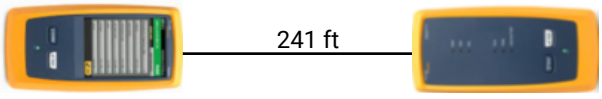
Test Summary: PASS

Date / Time: 12/11/2022 04:02:15 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

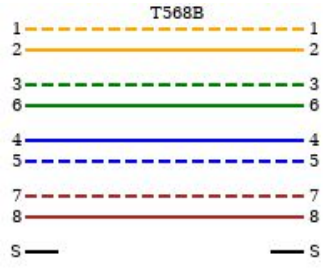
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

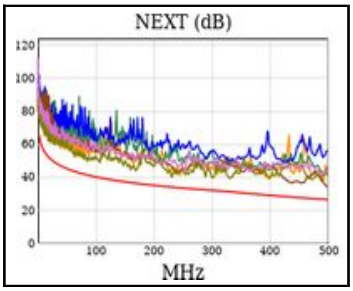
Length (ft), Limit 328	[Pair 7,8]	241
Prop. Delay (ns), Limit 555	[Pair 4,5]	373
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

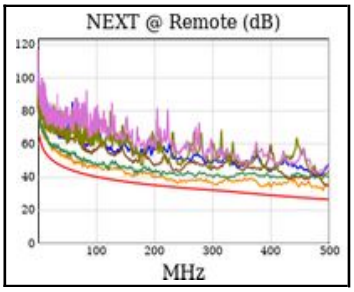


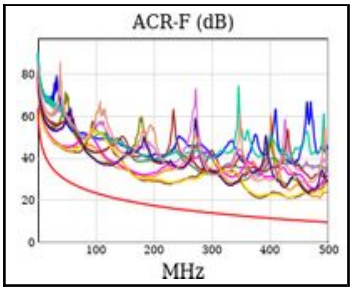
PASS

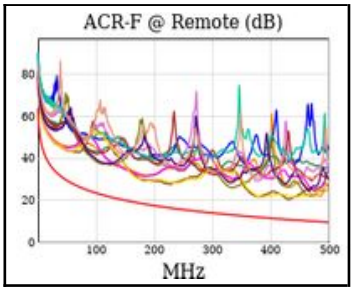


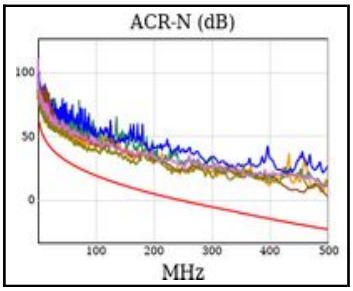


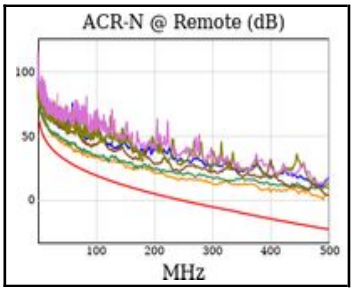


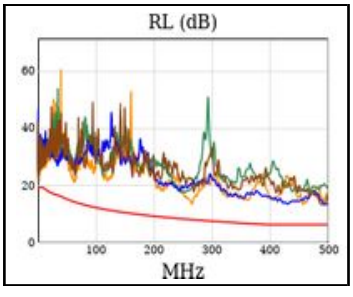


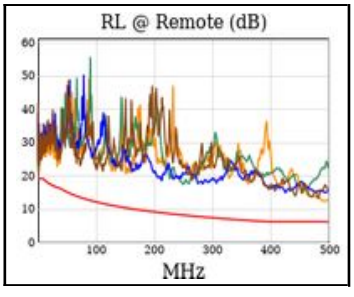












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	2.5	7.7	5.1
Freq. (MHz)	232.0	241.0	500.0	491.0
Limit (dB)	33.7	33.4	26.1	26.3
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	7.1	4.2	9.5	6.2
Freq. (MHz)	232.0	241.0	499.0	491.0
Limit (dB)	30.7	30.4	23.3	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	9.3	9.6	11.3	9.7
Freq. (MHz)	384.0	431.0	487.0	432.0
Limit (dB)	11.6	10.6	9.5	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	11.5	11.4
Freq. (MHz)	431.0	431.0	477.0	432.0
Limit (dB)	7.6	7.6	6.7	7.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.7	10.0	26.1	22.4
Freq. (MHz)	5.5	24.8	500.0	491.0
Limit (dB)	56.0	39.9	-23.2	-22.5
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	11.6	10.6	27.7	23.5
Freq. (MHz)	4.0	24.9	500.0	491.0
Limit (dB)	56.4	37.2	-26.1	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.4	5.8	6.8	6.2
Freq. (MHz)	267.0	7.5	494.0	494.0
Limit (dB)	7.7	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 157-A

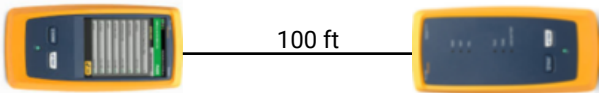
Test Summary: PASS

Date / Time: 12/10/2022 12:47:42 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

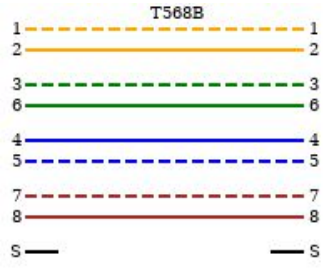
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	100
Prop. Delay (ns), Limit 555	[Pair 4,5]	158
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	34.5
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

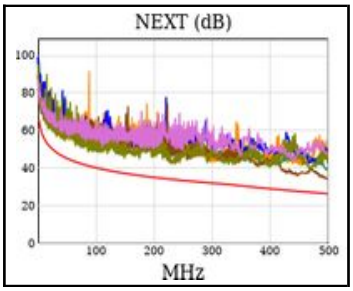


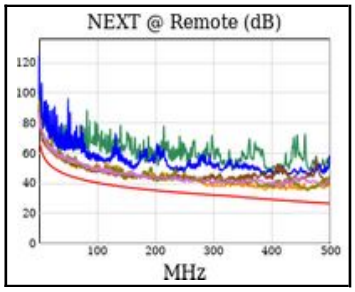
PASS



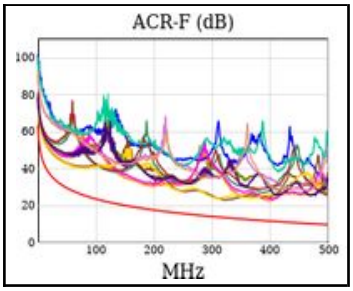


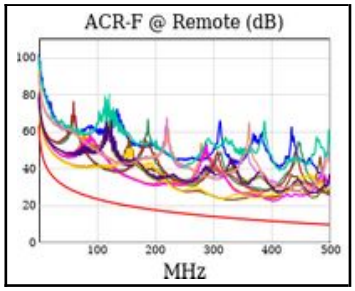
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.5	5.1	7.7	7.5
Freq. (MHz)	87.8	150.0	500.0	463.0
Limit (dB)	40.9	36.9	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.9	4.1	9.2	7.6
Freq. (MHz)	32.8	150.0	498.0	462.0
Limit (dB)	45.4	34.0	23.3	24.1



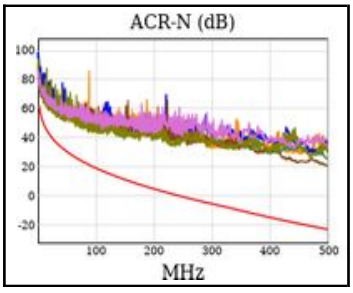


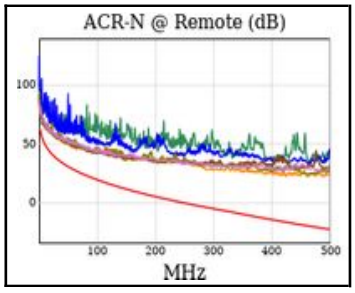
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.5	9.7	10.9	10.8
Freq. (MHz)	325.0	331.0	400.0	403.0
Limit (dB)	13.0	12.9	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.0	11.5	11.0
Freq. (MHz)	407.0	403.0	407.0	403.0
Limit (dB)	8.1	8.2	8.1	8.2



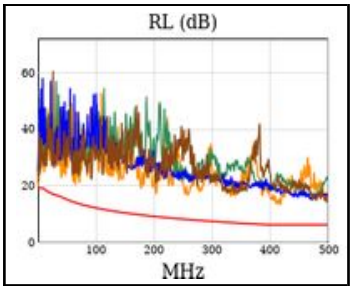


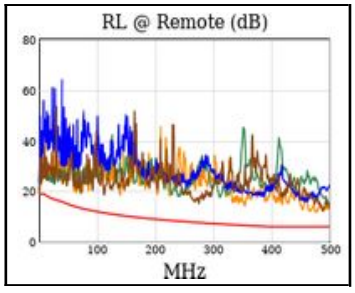
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.0	10.4	43.4	43.6
Freq. (MHz)	3.1	3.1	500.0	489.0
Limit (dB)	61.1	61.1	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	10.7	44.8	41.8
Freq. (MHz)	3.5	3.4	500.0	462.0
Limit (dB)	57.6	57.9	-26.1	-23.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.4	5.5	6.6	5.7
Freq. (MHz)	65.3	65.3	419.0	479.0
Limit (dB)	13.9	13.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 157-B

Test Summary: PASS

Date / Time: 12/10/2022 12:48:08 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	157
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	15.1
Insertion Loss Margin (dB)	[Pair 3,6]	34.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.7	4.2	5.7	9.0
Freq. (MHz)	51.8	198.0	500.0	460.0
Limit (dB)	44.8	34.9	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.1	4.5	7.1	6.7
Freq. (MHz)	47.8	155.5	497.0	397.0
Limit (dB)	42.6	33.8	23.3	25.9

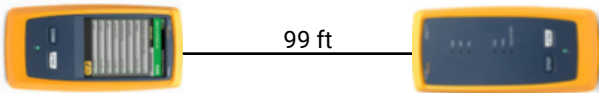
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	7,8-3,6
ACR-F (dB)	10.2	9.9	12.0	12.3
Freq. (MHz)	323.0	327.0	497.0	471.0
Limit (dB)	13.1	13.0	9.3	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.9	12.7	12.3
Freq. (MHz)	7.0	333.0	497.0	409.0
Limit (dB)	43.4	9.8	6.3	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.7	8.6	41.5	38.9
Freq. (MHz)	10.8	3.4	500.0	408.0
Limit (dB)	49.4	60.4	-23.2	-15.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	8.1	41.3	46.1
Freq. (MHz)	3.5	3.4	497.0	500.0
Limit (dB)	57.6	57.9	-25.8	-26.1

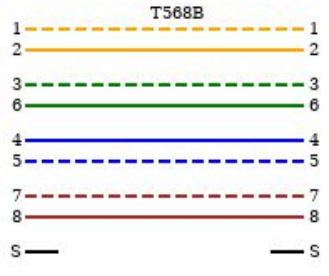
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	6.0	3.4	7.1	6.6
Freq. (MHz)	66.0	26.9	416.0	491.0
Limit (dB)	13.8	16.9	6.0	6.0

Compliant Network Standards:

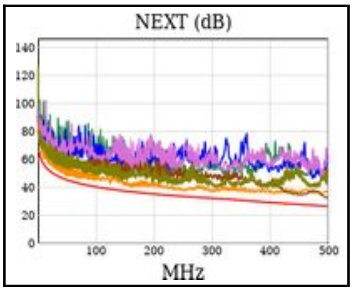
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

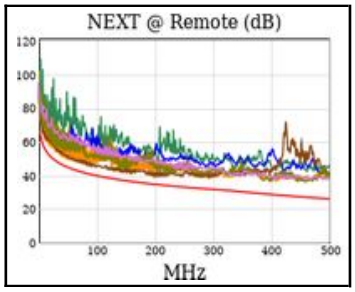


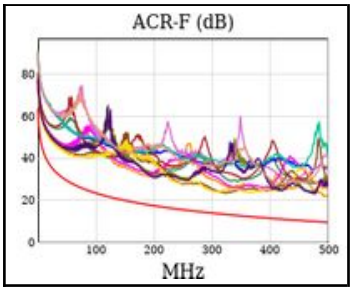
PASS

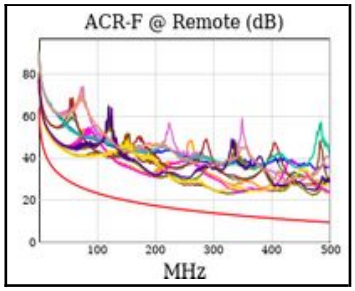


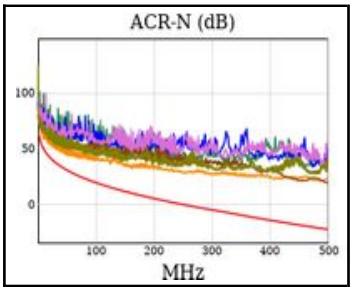


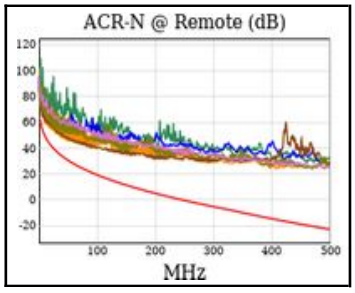


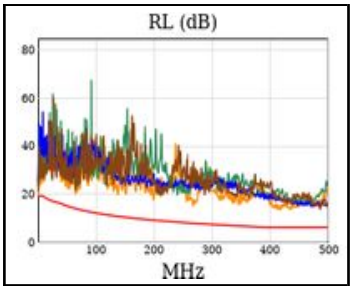


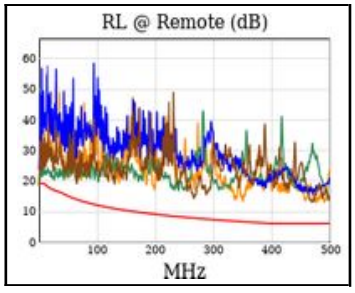












FLUKE networks

LinkWare Live

Cable ID: 156-B

Test Summary: PASS

Date / Time: 12/17/2022 07:20:06 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	223
Prop. Delay (ns), Limit 555	[Pair 4,5]	346
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	12.8
Insertion Loss Margin (dB)	[Pair 3,6]	19.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	6.5	7.1	7.7
Freq. (MHz)	226.5	341.0	459.0	500.0
Limit (dB)	33.9	30.6	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.2	7.5	6.9	7.6
Freq. (MHz)	153.5	6.0	459.0	456.0
Limit (dB)	33.9	57.7	24.2	24.3

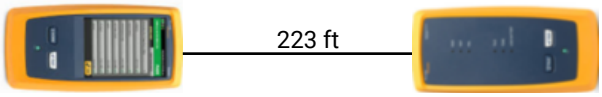
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	7,8-3,6
ACR-F (dB)	11.4	11.5	12.8	12.5
Freq. (MHz)	242.5	242.5	487.0	476.0
Limit (dB)	15.6	15.6	9.5	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	11.6	13.0
Freq. (MHz)	5.1	6.5	485.0	476.0
Limit (dB)	46.1	44.0	6.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	10.1	29.3	28.2
Freq. (MHz)	4.3	2.9	491.0	500.0
Limit (dB)	58.3	61.4	-22.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.1	9.1	26.6	29.6
Freq. (MHz)	4.4	2.9	459.0	500.0
Limit (dB)	55.6	58.4	-22.8	-26.1

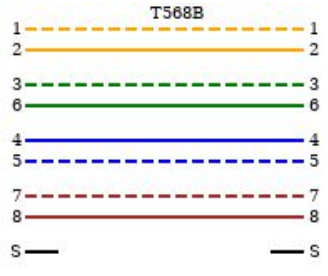
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	3,6
RL (dB)	6.4	5.4	7.7	7.2
Freq. (MHz)	195.0	17.6	486.0	469.0
Limit (dB)	9.1	17.8	6.0	6.0

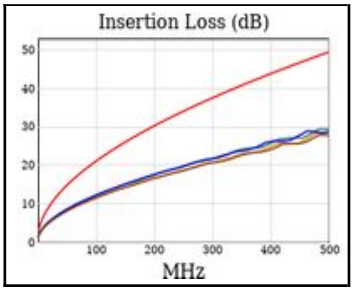
Compliant Network Standards:

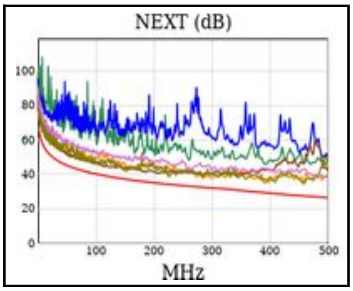
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

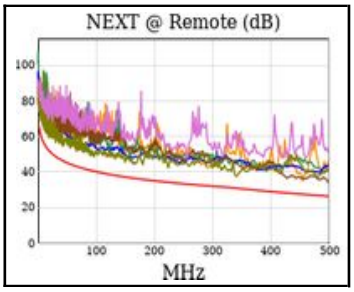


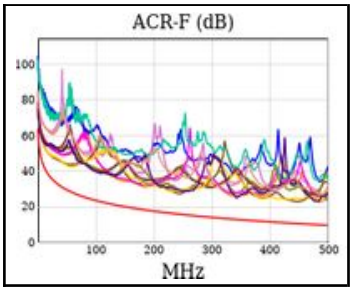
PASS

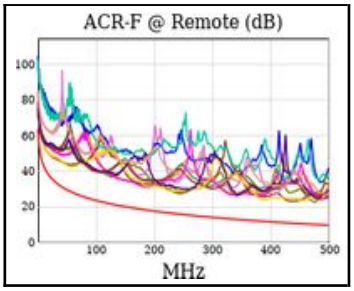


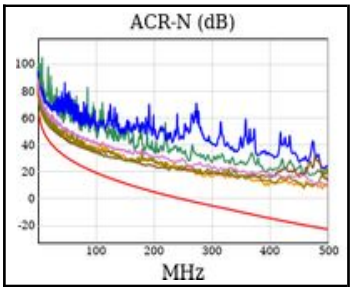


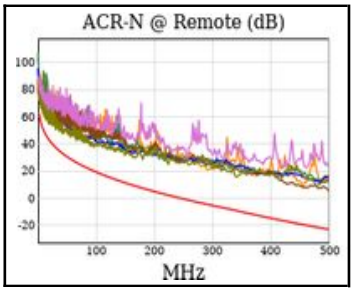


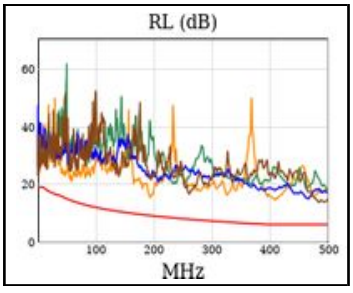


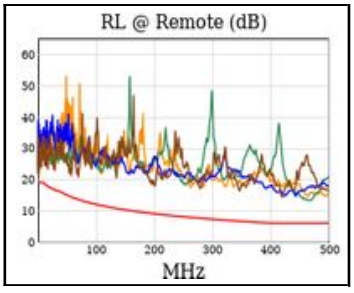












FLUKE networks

LinkWare Live

Cable ID: 157-A

Test Summary: PASS

Date / Time: 12/17/2022 07:17:06 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	179
Prop. Delay (ns), Limit 555	[Pair 4,5]	278
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	18.2
Insertion Loss Margin (dB)	[Pair 3,6]	24.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-7,8
NEXT (dB)	3.9	4.7	8.0	7.6
Freq. (MHz)	226.5	253.0	457.0	485.0
Limit (dB)	33.9	33.0	27.2	26.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.1	5.3	6.4	7.4
Freq. (MHz)	155.0	255.0	393.0	495.0
Limit (dB)	33.8	30.0	26.0	23.3

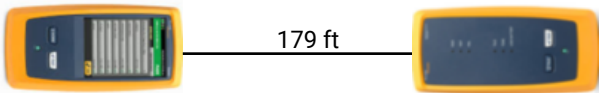
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	1,2-3,6	4,5-3,6
ACR-F (dB)	9.2	9.4	10.8	12.6
Freq. (MHz)	2.3	2.3	403.0	500.0
Limit (dB)	56.2	56.2	11.2	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	10.7	11.4	14.1
Freq. (MHz)	2.3	5.9	413.0	465.0
Limit (dB)	53.2	44.9	7.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	7.9	8.5	34.0	33.5
Freq. (MHz)	3.5	3.8	496.0	495.0
Limit (dB)	60.1	59.5	-22.9	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.4	7.2	35.0	32.0
Freq. (MHz)	3.5	3.8	499.0	495.0
Limit (dB)	57.6	57.0	-26.0	-25.7

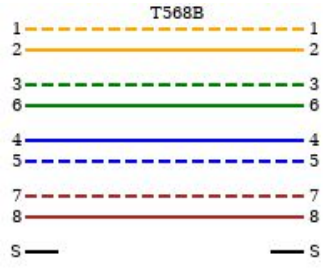
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	5.5	2.3	8.2	6.1
Freq. (MHz)	55.8	8.0	476.0	477.0
Limit (dB)	14.5	19.0	6.0	6.0

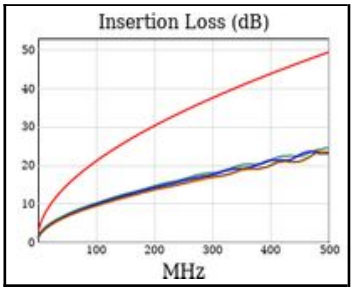
Compliant Network Standards:

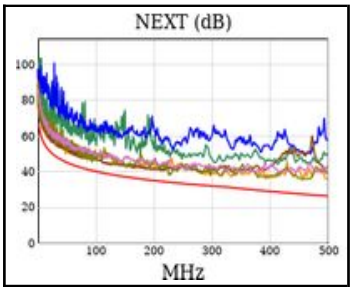
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

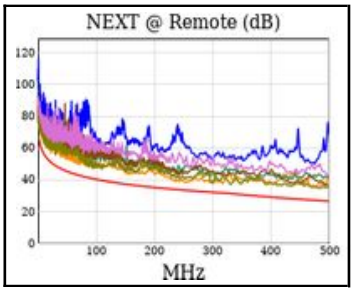


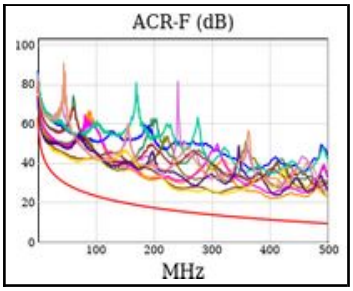
PASS

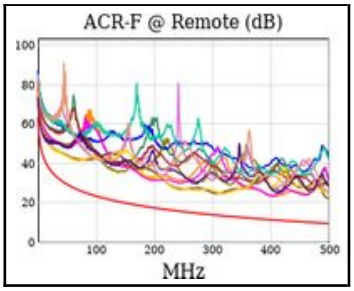


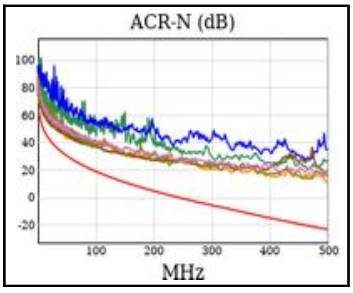


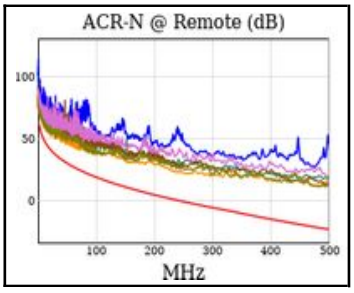


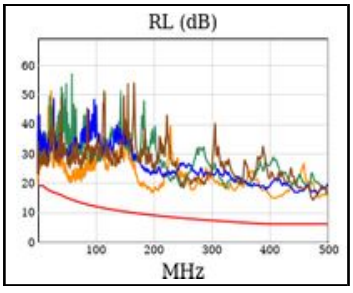


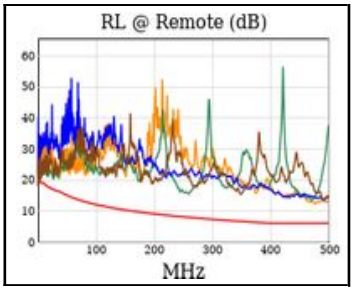












FLUKE networks

LinkWare Live

Cable ID: 157-B

Test Summary: PASS

Date / Time: 12/17/2022 07:17:27 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	178
Prop. Delay (ns), Limit 555	[Pair 4,5]	277
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	18.4
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.0	7.3	7.7	8.9
Freq. (MHz)	223.0	223.5	469.0	500.0
Limit (dB)	34.0	34.0	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	7.6	7.9	9.8
Freq. (MHz)	74.5	3.6	469.0	493.0
Limit (dB)	39.3	61.2	24.0	23.4

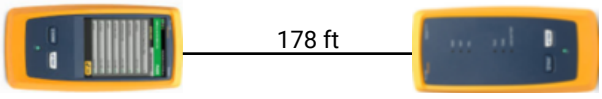
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	1,2-3,6	7,8-3,6
ACR-F (dB)	11.6	11.8	11.8	12.2
Freq. (MHz)	252.0	310.0	470.0	465.0
Limit (dB)	15.2	13.4	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	11.9	12.5
Freq. (MHz)	254.0	254.0	470.0	466.0
Limit (dB)	12.2	12.2	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	11.1	32.4	35.0
Freq. (MHz)	3.5	3.6	469.0	500.0
Limit (dB)	60.1	59.8	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.4	32.5	34.6
Freq. (MHz)	3.5	3.6	469.0	493.0
Limit (dB)	57.6	57.3	-23.6	-25.5

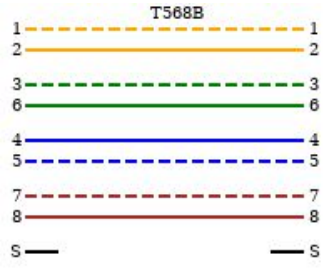
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.1	2.3	8.2	6.4
Freq. (MHz)	58.0	8.0	404.0	497.0
Limit (dB)	14.4	19.0	6.0	6.0

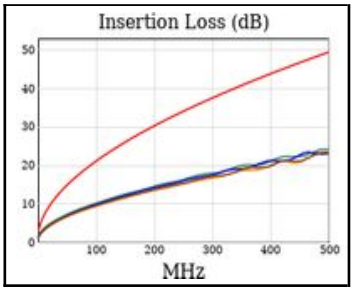
Compliant Network Standards:

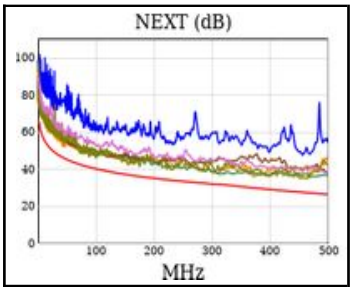
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

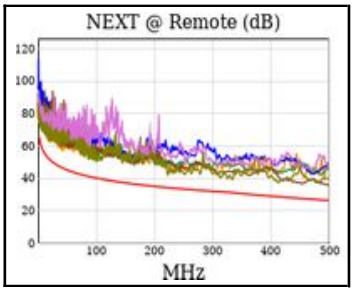


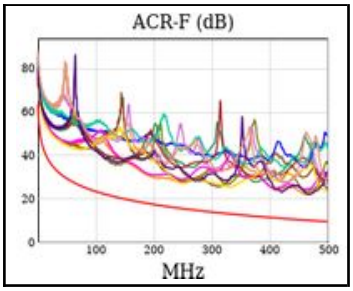
PASS

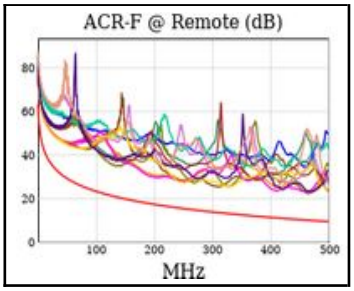


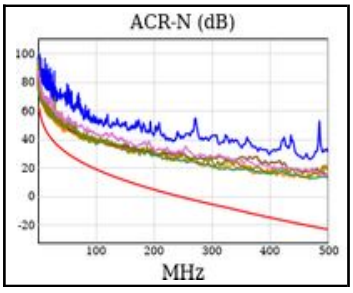


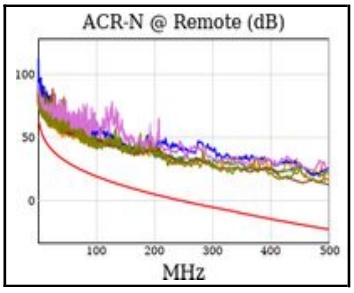


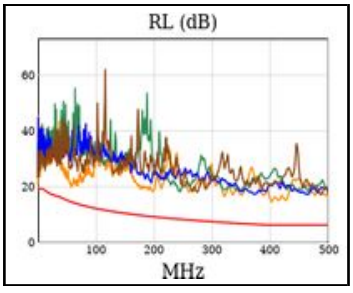


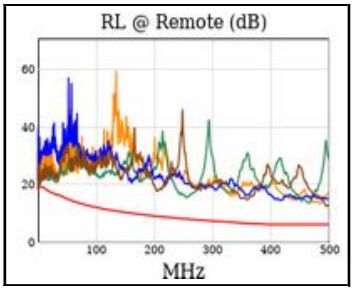












FLUKE networks

LinkWare Live

Cable ID: 159-A

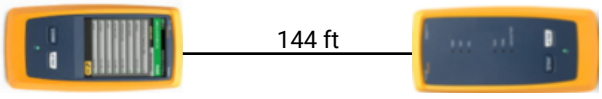
Test Summary: PASS

Date / Time: 12/17/2022 07:14:50 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

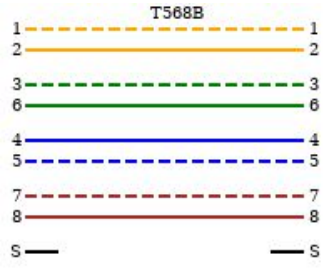
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

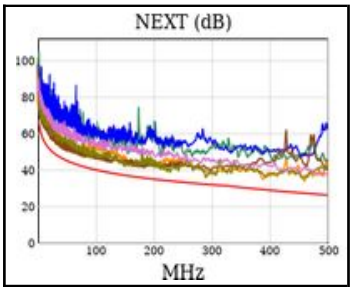
Length (ft), Limit 328	[Pair 7,8]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	224
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

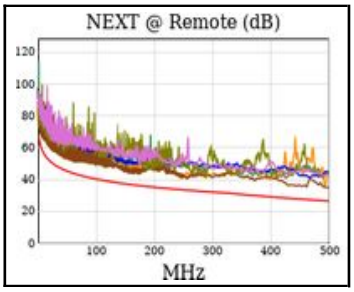


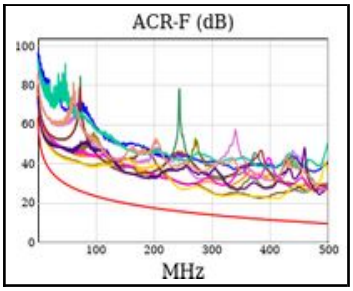
PASS

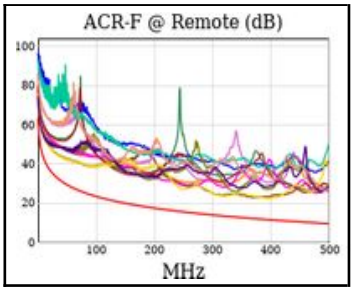


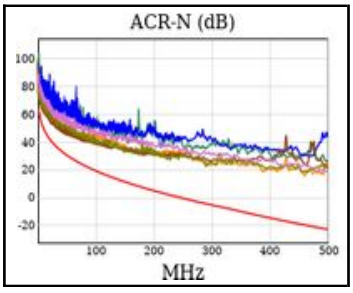


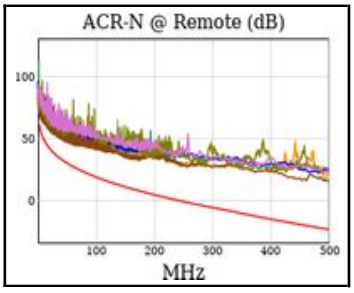


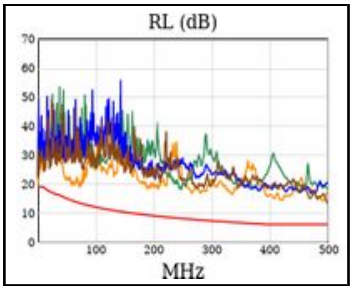


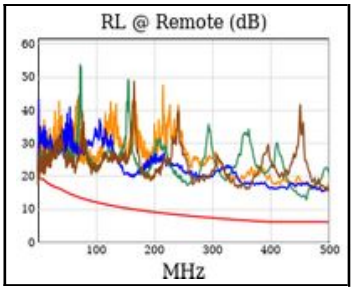












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	6.3	6.4	8.0
Freq. (MHz)	290.0	256.0	460.0	500.0
Limit (dB)	32.0	32.9	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	6.6	7.0	8.1
Freq. (MHz)	290.0	4.6	460.0	494.0
Limit (dB)	29.0	59.5	24.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	10.1	11.3	10.9
Freq. (MHz)	322.0	322.0	415.0	399.0
Limit (dB)	13.1	13.1	10.9	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.7	12.5	12.9
Freq. (MHz)	5.3	2.5	395.0	390.0
Limit (dB)	45.9	52.3	8.3	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	8.3	9.2	35.2	38.0
Freq. (MHz)	4.5	4.6	460.0	494.0
Limit (dB)	57.8	57.6	-20.0	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	9.2	35.8	37.2
Freq. (MHz)	4.4	4.6	460.0	494.0
Limit (dB)	55.6	55.1	-22.9	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	3,6
RL (dB)	5.3	4.7	7.3	6.6
Freq. (MHz)	59.0	15.8	499.0	462.0
Limit (dB)	14.3	18.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 159-B

Test Summary: PASS

Date / Time: 12/17/2022 07:15:11 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	223
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.3	5.1	7.0	5.2
Freq. (MHz)	176.5	264.0	469.0	499.0
Limit (dB)	35.7	32.7	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	6.6	7.6	7.5
Freq. (MHz)	294.0	4.5	456.0	496.0
Limit (dB)	28.9	59.7	24.3	23.3

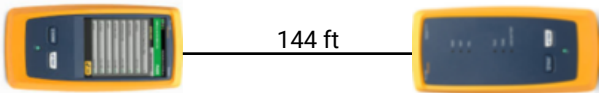
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	1,2-3,6
ACR-F (dB)	10.4	10.3	12.4	12.6
Freq. (MHz)	2.5	2.5	486.0	474.0
Limit (dB)	55.3	55.3	9.5	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	9.9	12.8	13.9
Freq. (MHz)	5.6	2.5	479.0	477.0
Limit (dB)	45.3	52.3	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.0	8.3	38.1	35.7
Freq. (MHz)	4.5	4.5	499.0	499.0
Limit (dB)	57.8	57.8	-23.1	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.3	39.0	37.0
Freq. (MHz)	4.5	4.5	499.0	496.0
Limit (dB)	55.3	55.3	-26.0	-25.8

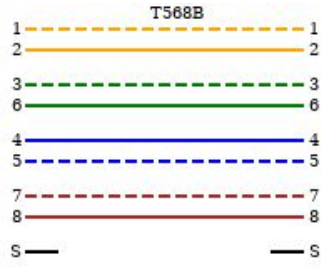
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	3.4	4.5	6.6	6.4
Freq. (MHz)	61.3	15.9	402.0	497.0
Limit (dB)	14.1	18.0	6.0	6.0

Compliant Network Standards:

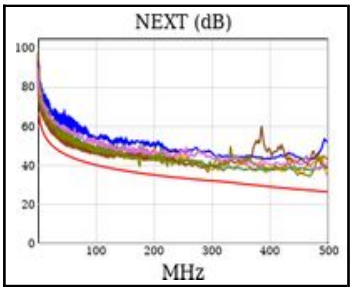
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

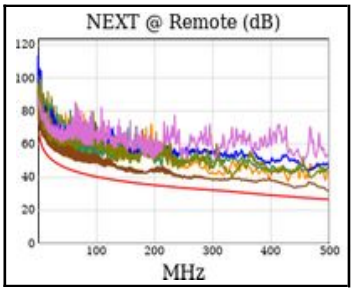


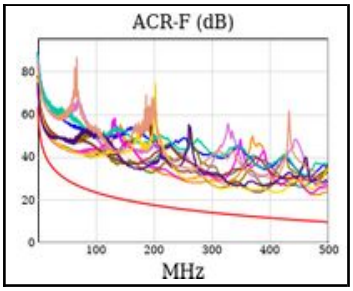
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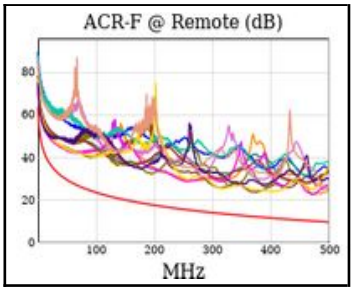


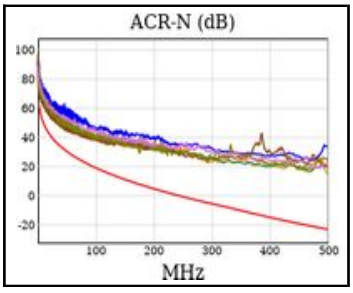


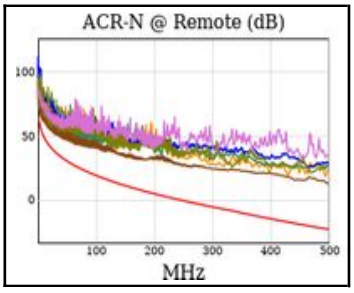


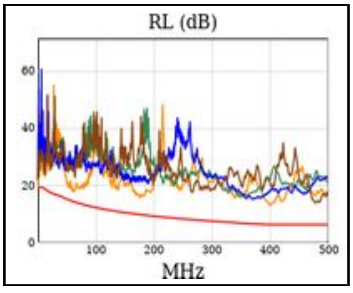


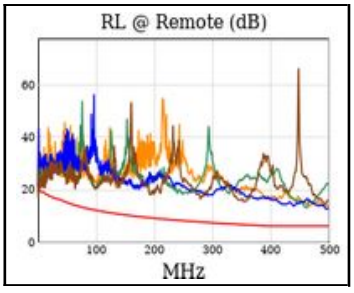












FLUKE networks

LinkWare Live

Cable ID: 160-A

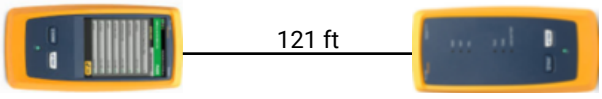
Test Summary: PASS

Date / Time: 12/17/2022 07:12:03 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

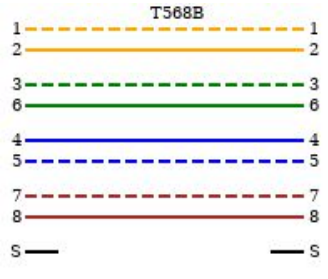
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

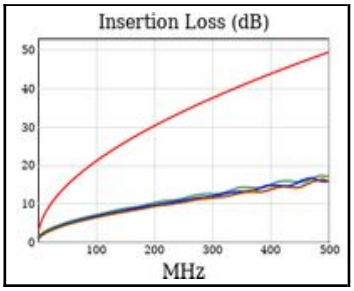
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	121
Prop. Delay (ns), Limit 555	[Pair 4,5]	188
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	17.0
Insertion Loss Margin (dB)	[Pair 3,6]	32.0
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

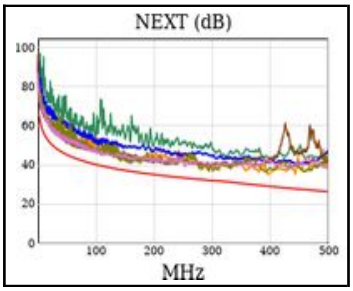


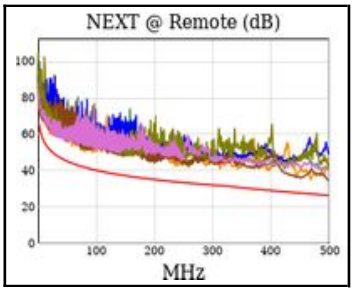
PASS



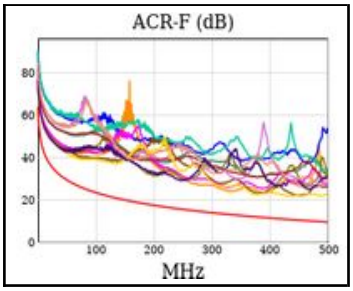


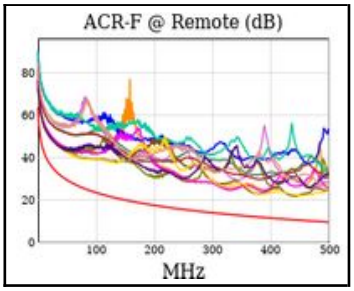
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	7.7	7.0	8.3
Freq. (MHz)	161.5	470.0	445.0	498.0
Limit (dB)	36.4	26.8	27.5	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	7.6	6.2	8.0
Freq. (MHz)	158.5	3.3	396.0	445.0
Limit (dB)	33.6	62.0	25.9	24.6



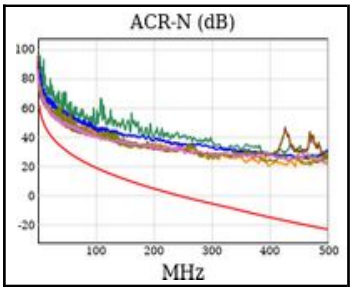


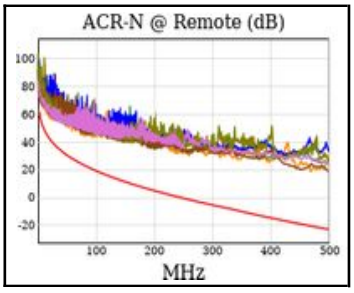
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.6	11.0	11.2
Freq. (MHz)	380.0	380.0	439.0	443.0
Limit (dB)	11.7	11.7	10.4	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.7	11.1	12.7
Freq. (MHz)	5.6	11.9	397.0	446.0
Limit (dB)	45.3	38.8	8.3	7.3



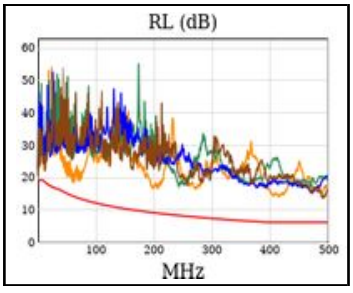


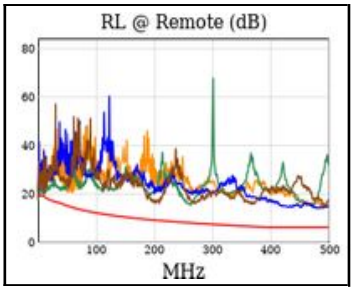
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	9.1	10.4	37.7	38.9
Freq. (MHz)	2.8	3.0	445.0	470.0
Limit (dB)	61.5	61.4	-18.8	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	9.8	35.2	41.9
Freq. (MHz)	3.0	3.3	397.0	498.0
Limit (dB)	58.4	58.2	-17.6	-25.9





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	7,8	1,2
RL (dB)	4.1	3.1	7.4	7.8
Freq. (MHz)	60.8	16.0	493.0	491.0
Limit (dB)	14.2	18.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 157-A

Test Summary: PASS

Date / Time: 12/17/2022 11:36:53 AM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	248
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	6.3	5.3	8.1
Freq. (MHz)	224.5	87.0	394.0	499.0
Limit (dB)	33.9	41.0	28.9	26.1
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	5.3	6.4	8.5	9.7
Freq. (MHz)	71.8	87.5	461.0	499.0
Limit (dB)	39.6	38.1	24.2	23.3

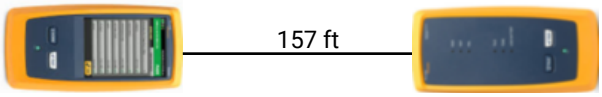
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	1,2-3,6	7,8-3,6
ACR-F (dB)	10.9	10.8	12.5	12.2
Freq. (MHz)	371.0	333.0	485.0	469.0
Limit (dB)	11.9	12.8	9.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	12.5	13.4
Freq. (MHz)	329.0	331.0	500.0	478.0
Limit (dB)	9.9	9.9	6.3	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	10.3	11.5	36.5	36.7
Freq. (MHz)	4.3	4.4	466.0	500.0
Limit (dB)	58.3	58.1	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.2	10.9	36.5	38.3
Freq. (MHz)	4.1	4.3	466.0	499.0
Limit (dB)	56.1	55.8	-23.4	-26.0

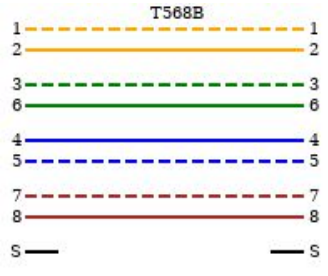
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.1	6.4	6.5	8.1
Freq. (MHz)	33.8	33.8	492.0	451.0
Limit (dB)	16.4	16.4	6.0	6.0

Compliant Network Standards:

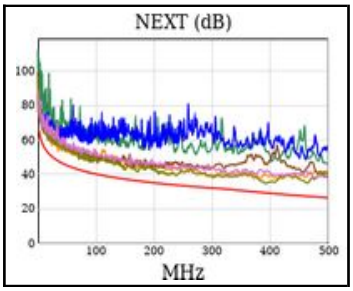
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

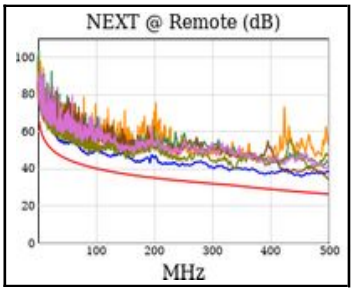


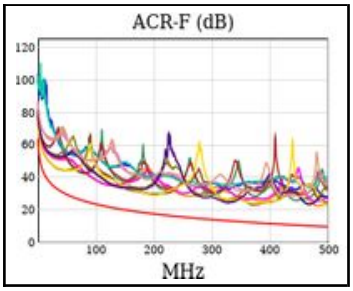
PASS

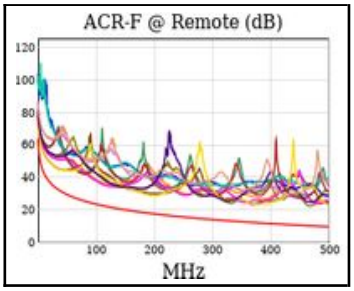


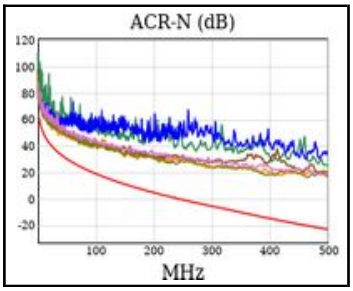


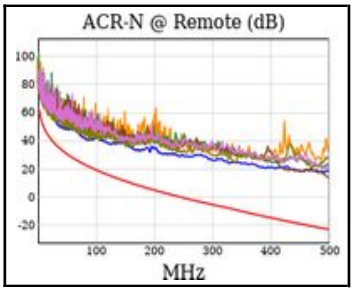


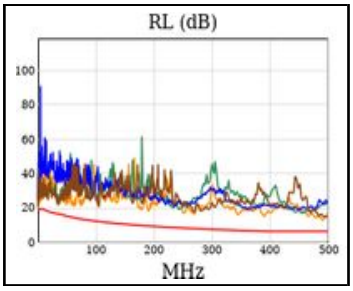


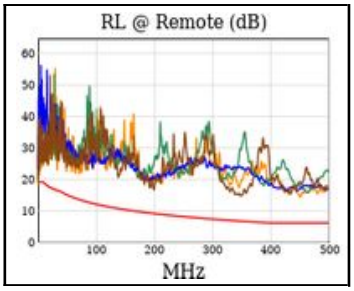












FLUKE networks

LinkWare Live

Cable ID: 157-B

Test Summary: PASS

Date / Time: 12/17/2022 11:37:57 AM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	248
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	28.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.4	6.5	6.5	8.5
Freq. (MHz)	222.0	100.5	394.0	500.0
Limit (dB)	34.0	39.9	28.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.3	7.7	8.2	10.1
Freq. (MHz)	164.0	85.0	459.0	499.0
Limit (dB)	33.4	38.3	24.2	23.3

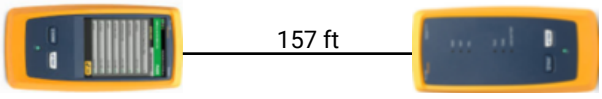
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	10.1	9.7	10.4
Freq. (MHz)	416.0	403.0	416.0	416.0
Limit (dB)	10.9	11.2	10.9	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.4	10.6	11.6
Freq. (MHz)	417.0	397.0	417.0	405.0
Limit (dB)	7.9	8.3	7.9	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	10.9	12.0	38.9	37.1
Freq. (MHz)	4.0	2.3	500.0	500.0
Limit (dB)	58.9	61.8	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	10.9	38.5	38.8
Freq. (MHz)	4.3	4.4	500.0	499.0
Limit (dB)	55.8	55.6	-26.1	-26.0

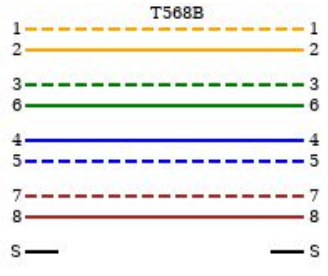
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.5	6.0	7.3	8.6
Freq. (MHz)	105.0	206.5	490.0	432.0
Limit (dB)	11.8	8.9	6.0	6.0

Compliant Network Standards:

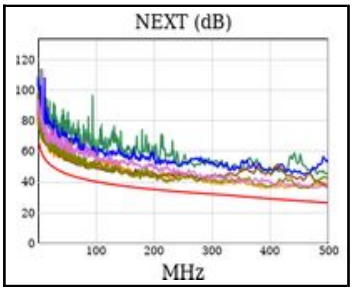
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

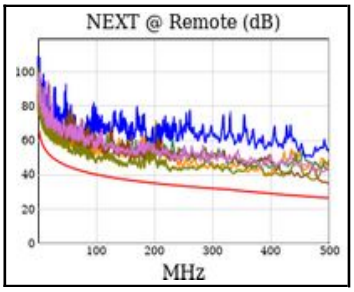


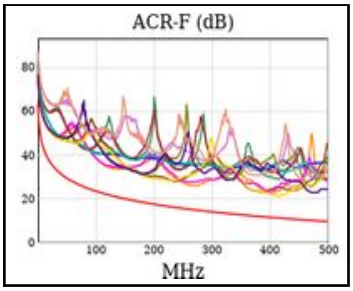
PASS

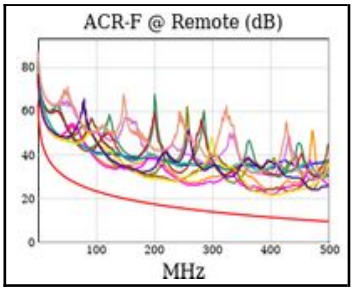


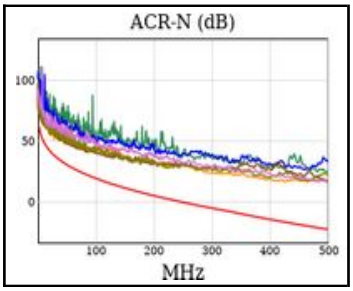


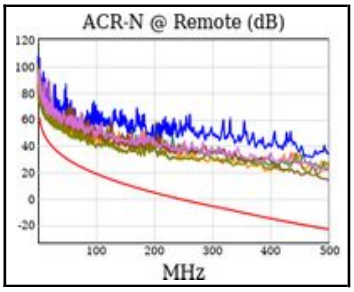


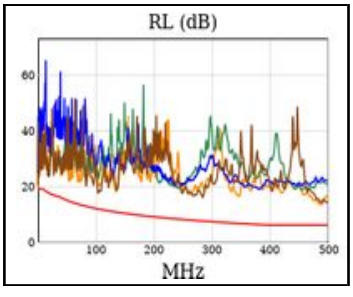


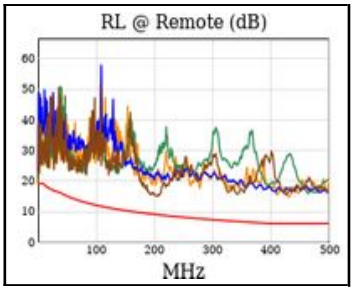












FLUKE networks

LinkWare Live

Cable ID: 158-A

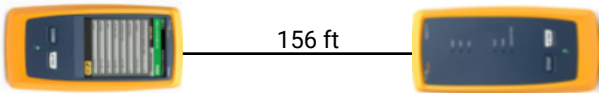
Test Summary: PASS

Date / Time: 12/17/2022 11:38:57 AM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

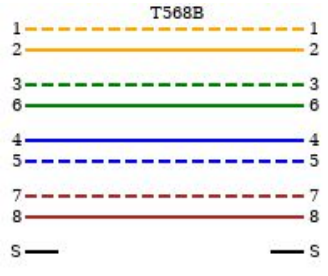
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

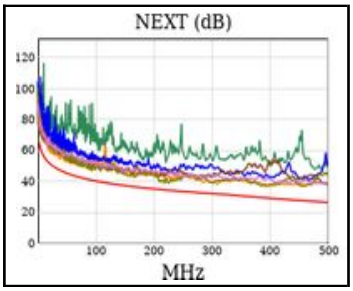
Length (ft), Limit 328	[Pair 1,2]	156
Prop. Delay (ns), Limit 555	[Pair 4,5]	248
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

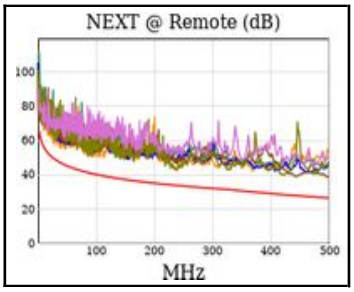


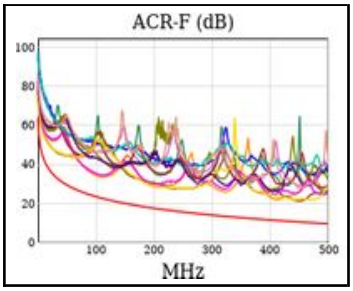
PASS

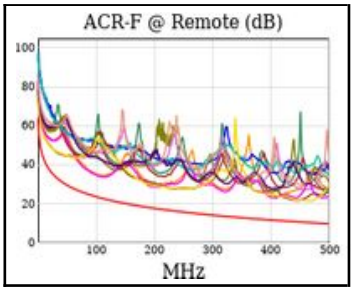


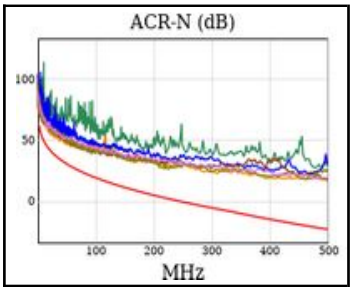


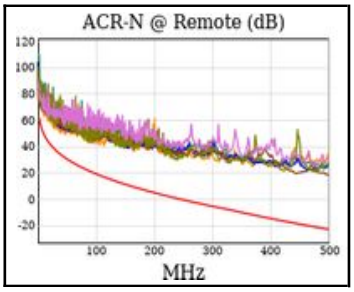


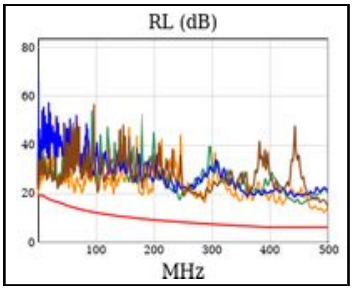


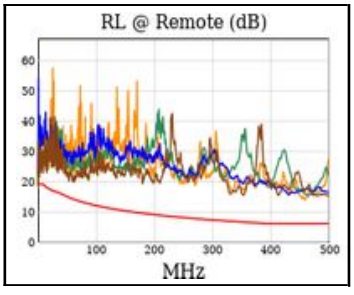












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.3	8.6	7.0	11.9
Freq. (MHz)	219.5	38.0	394.0	500.0
Limit (dB)	34.1	47.0	28.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	7.8	9.1	12.1
Freq. (MHz)	219.5	4.3	462.0	431.0
Limit (dB)	31.1	60.1	24.1	24.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.7	10.9	10.8	11.1
Freq. (MHz)	416.0	197.0	454.0	471.0
Limit (dB)	10.9	17.4	10.1	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.6	10.6	11.6
Freq. (MHz)	416.0	445.0	418.0	445.0
Limit (dB)	7.9	7.3	7.8	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	11.2	40.0	40.9
Freq. (MHz)	4.4	4.3	500.0	500.0
Limit (dB)	58.1	58.3	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	10.3	39.2	42.2
Freq. (MHz)	4.1	4.3	500.0	498.0
Limit (dB)	56.1	55.8	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	5.5	4.8	5.9	7.8
Freq. (MHz)	34.8	15.8	495.0	461.0
Limit (dB)	16.3	18.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 158-B

Test Summary: PASS

Date / Time: 12/17/2022 11:39:35 AM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.7
Insertion Loss Margin (dB)	[Pair 3,6]	28.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.7	7.8	8.0	7.8
Freq. (MHz)	154.5	500.0	458.0	500.0
Limit (dB)	36.7	26.1	27.1	26.1
Worst Pair	3,6	1,2	7,8	4,5
PS NEXT (dB)	4.9	7.9	7.5	9.3
Freq. (MHz)	156.5	11.1	458.0	500.0
Limit (dB)	33.7	53.2	24.2	23.2

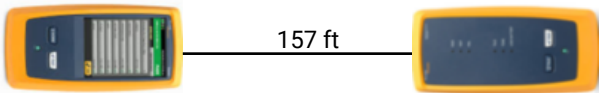
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.5	11.4	12.0	12.1
Freq. (MHz)	168.0	170.5	500.0	500.0
Limit (dB)	18.8	18.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	12.1	12.7	12.8
Freq. (MHz)	335.0	335.0	494.0	500.0
Limit (dB)	9.8	9.8	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	9.9	11.8	38.7	36.0
Freq. (MHz)	11.0	11.1	494.0	500.0
Limit (dB)	49.1	49.0	-22.7	-23.2
Worst Pair	3,6	3,6	7,8	4,5
PS ACR-N (dB)	8.9	11.0	36.2	37.5
Freq. (MHz)	4.0	4.3	472.0	500.0
Limit (dB)	56.4	55.8	-23.9	-26.1

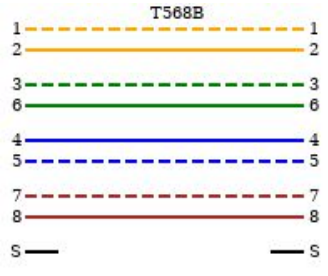
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	6.5	5.8	7.7	8.5
Freq. (MHz)	34.5	62.5	486.0	497.0
Limit (dB)	16.3	14.0	6.0	6.0

Compliant Network Standards:

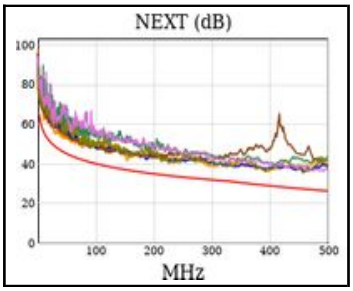
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

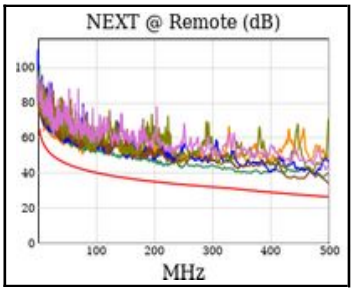


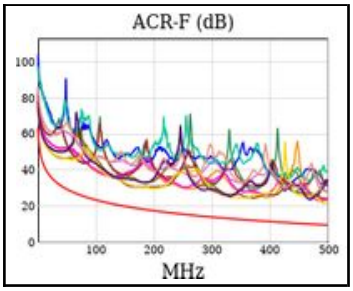
PASS

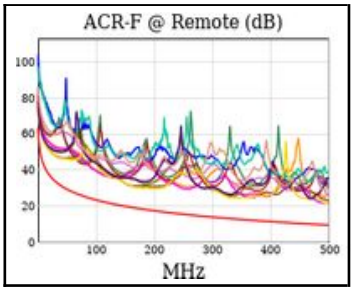


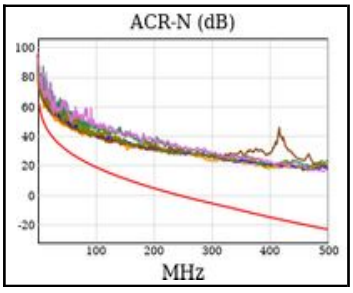


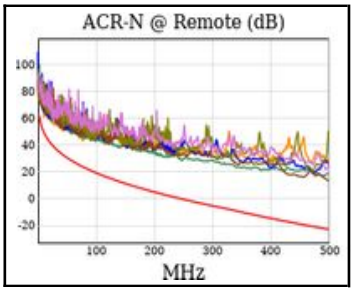


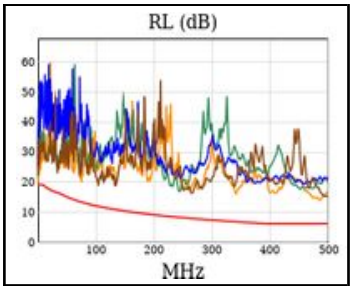


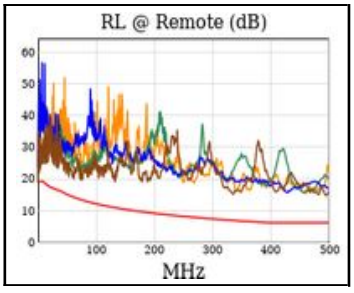












FLUKE networks

LinkWare Live

Cable ID: 159-A

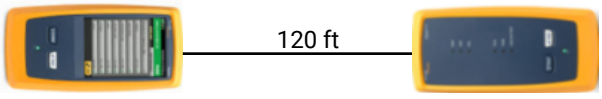
Test Summary: PASS

Date / Time: 12/17/2022 11:41:19 AM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

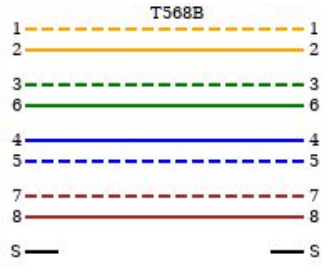
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	120
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	31.8
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

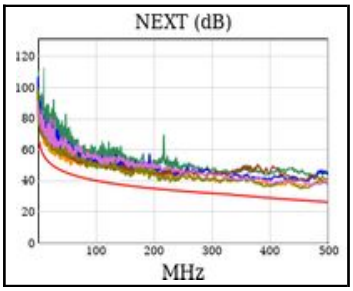


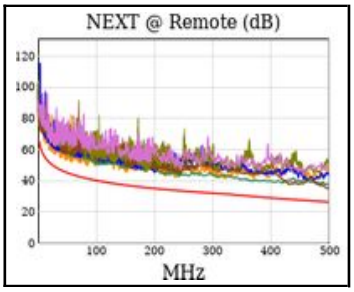
PASS



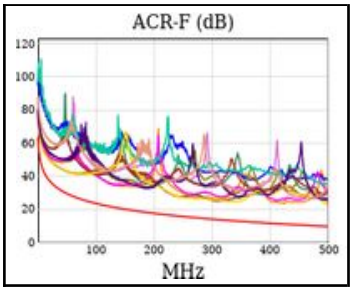


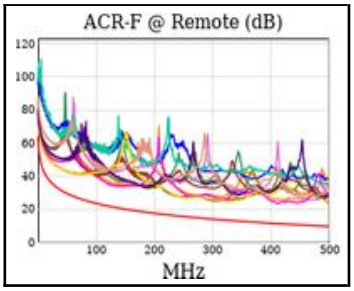
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	7.8	7.4	8.0
Freq. (MHz)	229.0	47.5	455.0	500.0
Limit (dB)	33.8	45.4	27.2	26.1
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	5.8	8.5	7.6	9.3
Freq. (MHz)	211.0	152.0	455.0	500.0
Limit (dB)	31.4	33.9	24.3	23.2



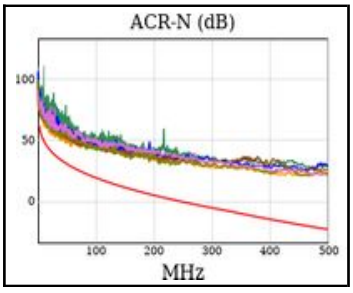


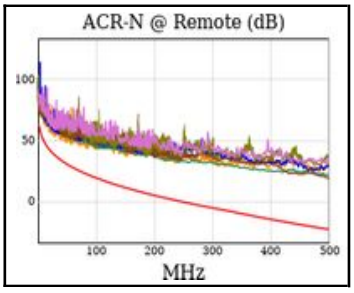
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.1	11.1	13.0	13.8
Freq. (MHz)	256.0	302.0	500.0	500.0
Limit (dB)	15.1	13.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.6	13.9	15.1
Freq. (MHz)	285.0	3.4	500.0	500.0
Limit (dB)	11.2	49.7	6.3	6.3



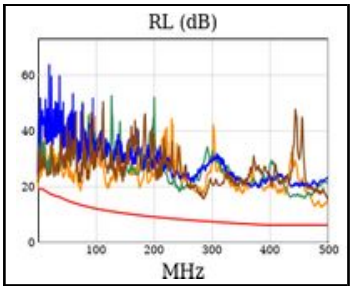


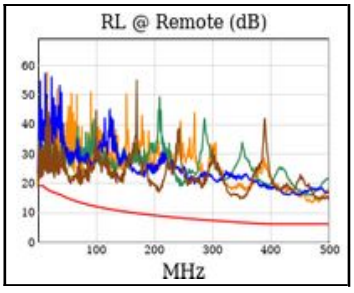
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	12.1	12.7	41.5	41.2
Freq. (MHz)	5.4	3.1	473.0	500.0
Limit (dB)	56.2	61.1	-21.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.8	12.1	39.7	42.5
Freq. (MHz)	5.3	3.1	464.0	500.0
Limit (dB)	53.9	58.3	-23.2	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	5.0	6.2	7.0
Freq. (MHz)	74.3	29.1	489.0	471.0
Limit (dB)	13.3	16.7	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 159-B

Test Summary: PASS

Date / Time: 12/17/2022 11:41:39 AM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	120
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	32.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.7	6.8	7.3	9.2
Freq. (MHz)	65.3	15.0	458.0	500.0
Limit (dB)	43.1	53.7	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.2	6.5	6.3	8.9
Freq. (MHz)	167.0	5.8	392.0	499.0
Limit (dB)	33.2	58.0	26.0	23.3

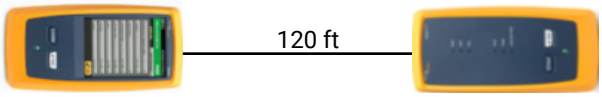
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.8	9.8	9.8	9.8
Freq. (MHz)	447.0	441.0	447.0	441.0
Limit (dB)	10.3	10.4	10.3	10.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.3	11.5	11.3	12.3
Freq. (MHz)	477.0	6.4	477.0	466.0
Limit (dB)	6.7	44.2	6.7	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	9.9	10.3	41.4	42.2
Freq. (MHz)	6.1	3.0	476.0	500.0
Limit (dB)	55.0	61.4	-21.3	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.1	9.7	41.4	42.0
Freq. (MHz)	5.4	5.6	476.0	499.0
Limit (dB)	53.7	53.2	-24.2	-26.0

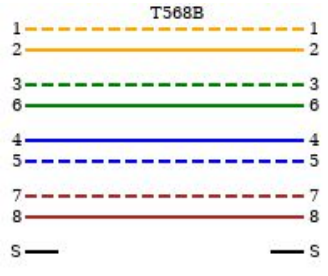
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	6.2	4.1	7.2	7.7
Freq. (MHz)	73.8	57.0	487.0	491.0
Limit (dB)	13.3	14.4	6.0	6.0

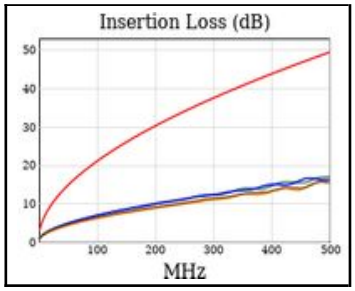
Compliant Network Standards:

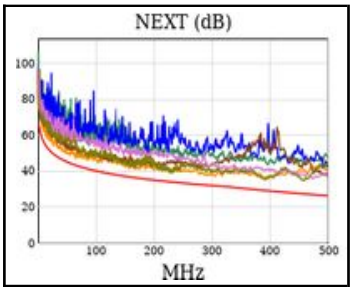
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

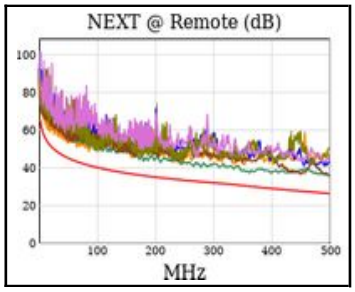


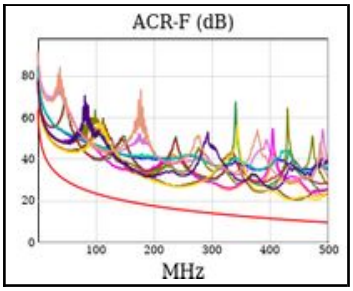
PASS

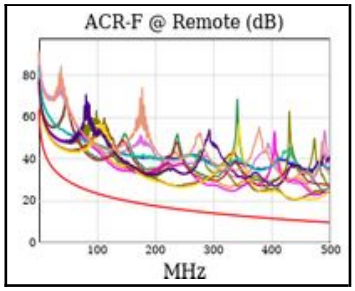


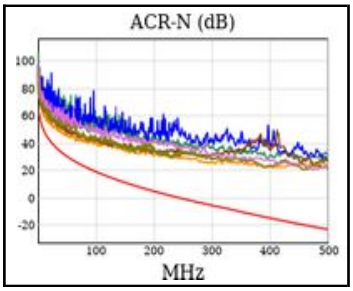


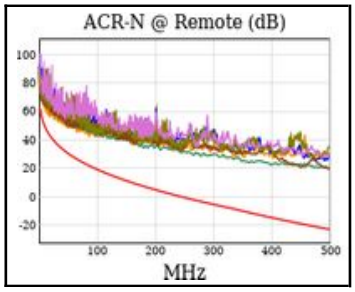


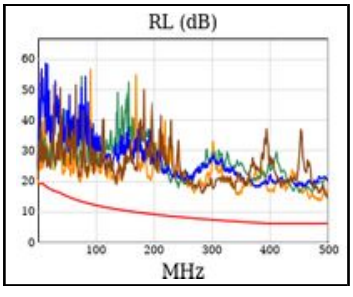


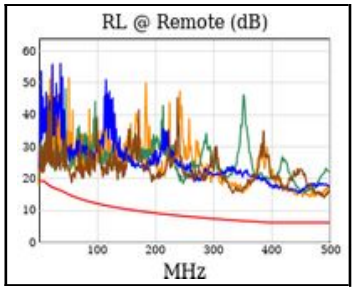












FLUKE networks

LinkWare Live

Cable ID: 160-B

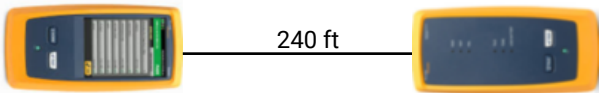
Test Summary: PASS

Date / Time: 12/04/2022 11:58:59 AM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

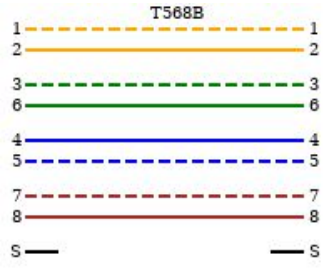
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

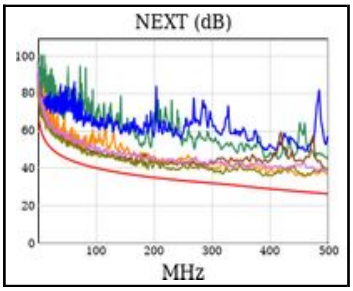
Length (ft), Limit 328	[Pair 1,2]	240
Prop. Delay (ns), Limit 555	[Pair 4,5]	378
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	14.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

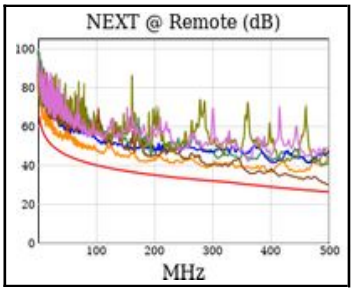


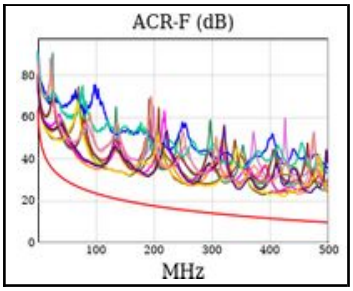
PASS

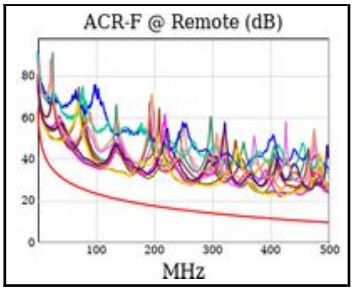


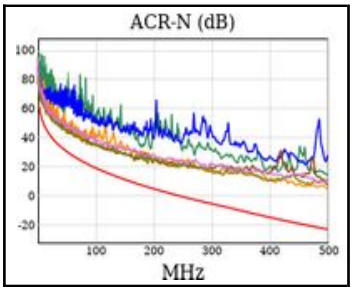


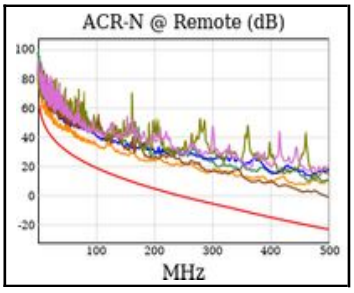


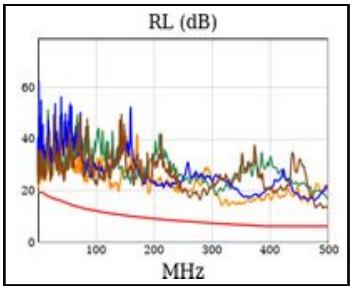


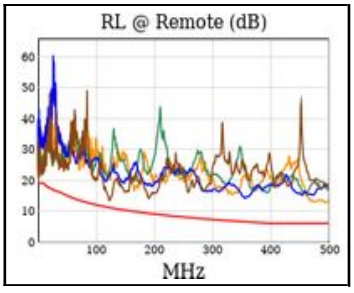












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	3.7	8.3	3.7
Freq. (MHz)	190.0	500.0	459.0	500.0
Limit (dB)	35.2	26.1	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.0	8.1	6.1
Freq. (MHz)	166.0	499.0	461.0	500.0
Limit (dB)	33.3	23.3	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	10.8	11.1	10.8	11.2
Freq. (MHz)	421.0	417.0	421.0	420.0
Limit (dB)	10.8	10.9	10.8	10.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.4	11.0	12.5
Freq. (MHz)	421.0	262.0	421.0	500.0
Limit (dB)	7.8	11.9	7.8	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	8.0	28.2	22.1
Freq. (MHz)	5.5	8.3	500.0	500.0
Limit (dB)	56.0	52.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	10.0	27.6	23.7
Freq. (MHz)	4.0	8.4	499.0	500.0
Limit (dB)	56.4	49.3	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.9	2.2	6.9	6.6
Freq. (MHz)	7.6	123.0	493.0	496.0
Limit (dB)	19.0	11.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 161-A

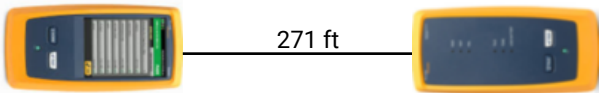
Test Summary: PASS

Date / Time: 12/04/2022 12:06:42 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

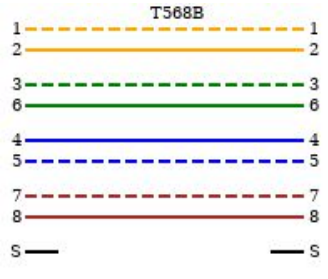
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

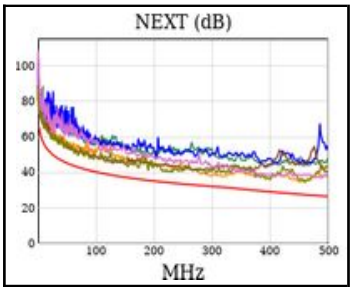
Length (ft), Limit 328	[Pair 1,2]	271
Prop. Delay (ns), Limit 555	[Pair 4,5]	430
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 7,8]	12.3
Insertion Loss Margin (dB)	[Pair 3,6]	13.3
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

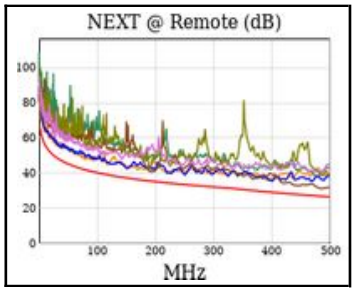


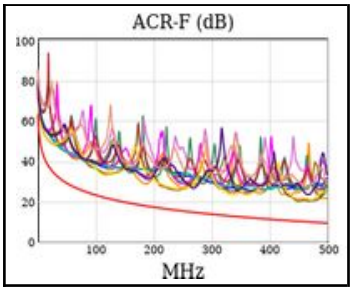
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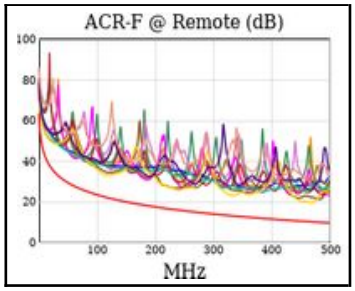


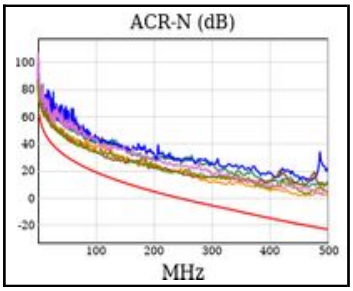


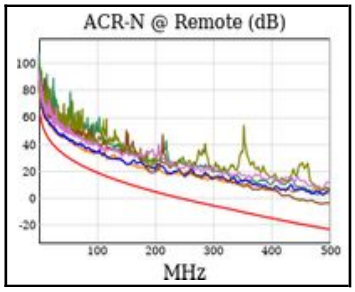


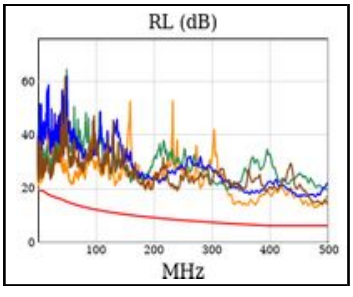


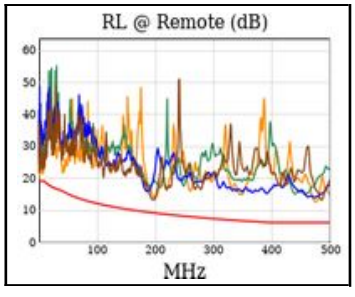












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.5	4.4	6.9	4.4
Freq. (MHz)	191.0	488.0	461.0	488.0
Limit (dB)	35.1	26.4	27.1	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	4.7	7.1	6.1
Freq. (MHz)	291.0	191.0	461.0	489.0
Limit (dB)	29.0	32.2	24.2	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.4	10.4	9.4
Freq. (MHz)	450.0	470.0	469.0	470.0
Limit (dB)	10.2	9.8	9.8	9.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	10.7	12.1	11.6
Freq. (MHz)	256.0	247.0	470.0	474.0
Limit (dB)	12.1	12.4	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.9	8.4	21.9	18.1
Freq. (MHz)	3.8	7.4	463.0	488.0
Limit (dB)	59.5	53.2	-20.3	-22.3
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	8.5	9.6	21.3	19.3
Freq. (MHz)	3.5	10.1	462.0	489.0
Limit (dB)	57.6	47.4	-23.1	-25.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.3	2.1	6.6	6.4
Freq. (MHz)	8.0	8.0	478.0	476.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 161-B

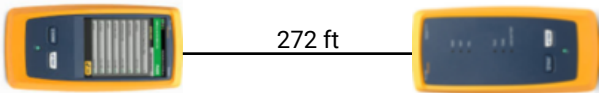
Test Summary: PASS

Date / Time: 12/04/2022 12:08:51 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

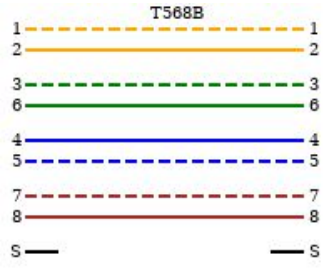
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

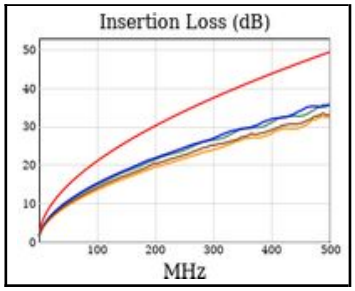
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

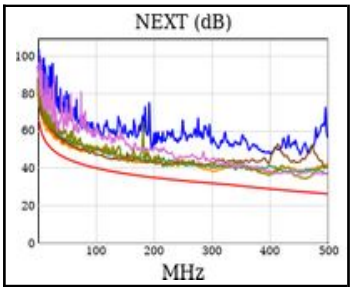
Length (ft), Limit 328	[Pair 1,2]	272
Prop. Delay (ns), Limit 555	[Pair 4,5]	432
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 7,8]	15.1
Insertion Loss Margin (dB)	[Pair 3,6]	13.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

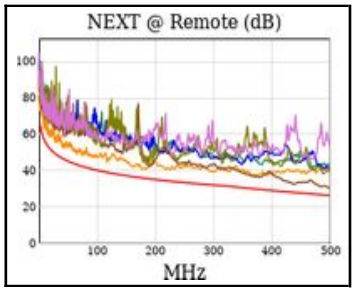


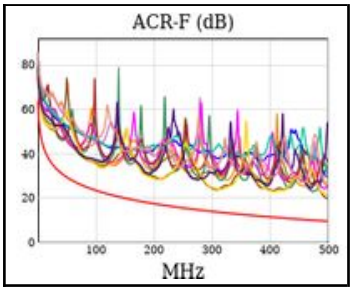
PASS

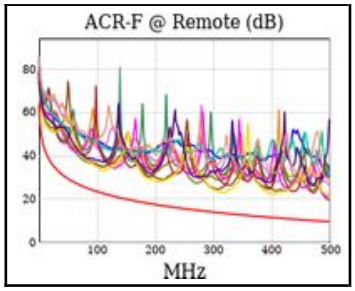


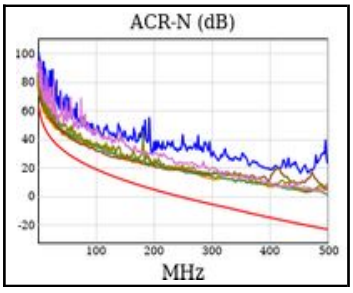


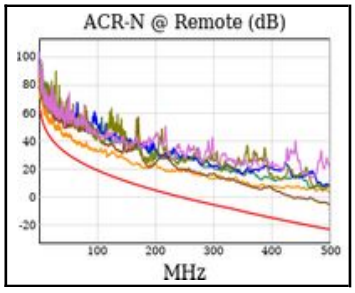


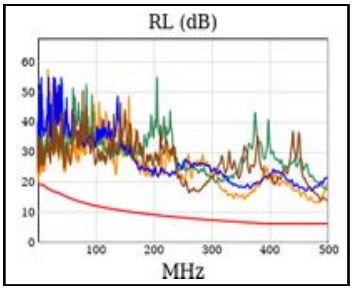


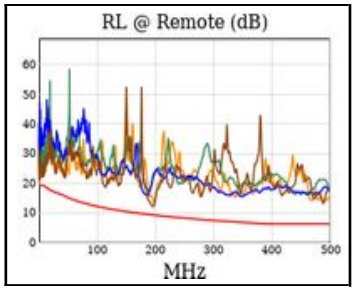












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.9	3.8	7.1	3.8
Freq. (MHz)	15.0	500.0	461.0	500.0
Limit (dB)	53.7	26.1	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	5.1	7.9	5.8
Freq. (MHz)	156.5	185.5	461.0	500.0
Limit (dB)	33.7	32.4	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	9.4	10.3	10.1
Freq. (MHz)	308.0	317.0	500.0	499.0
Limit (dB)	13.5	13.2	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.3	10.7	12.3	10.7
Freq. (MHz)	194.5	497.0	500.0	497.0
Limit (dB)	14.5	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
ACR-N (dB)	8.3	7.9	24.1	17.5
Freq. (MHz)	15.0	9.9	500.0	500.0
Limit (dB)	45.8	50.2	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.4	9.8	23.2	19.4
Freq. (MHz)	3.5	9.9	500.0	500.0
Limit (dB)	57.6	47.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.2	2.8	6.9	2.8
Freq. (MHz)	8.0	197.0	486.0	197.0
Limit (dB)	19.0	9.1	6.0	9.1

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 162-A

Test Summary: PASS

Date / Time: 12/04/2022 12:13:04 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	269
Prop. Delay (ns), Limit 555	[Pair 4,5]	427
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 7,8]	12.6
Insertion Loss Margin (dB)	[Pair 3,6]	14.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	6.2	3.5	6.5	3.5
Freq. (MHz)	232.0	499.0	461.0	499.0
Limit (dB)	33.7	26.1	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	5.7	6.9	5.8
Freq. (MHz)	295.0	162.5	461.0	499.0
Limit (dB)	28.9	33.4	24.2	23.3

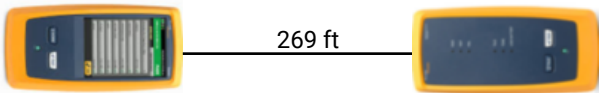
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.7	10.5	11.1	10.6
Freq. (MHz)	242.5	462.0	491.0	468.0
Limit (dB)	15.6	10.0	9.4	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.1	10.7	11.5
Freq. (MHz)	320.0	320.0	488.0	481.0
Limit (dB)	10.2	10.2	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	7.9	21.3	17.4
Freq. (MHz)	3.4	6.3	468.0	499.0
Limit (dB)	60.4	54.8	-20.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	10.0	21.3	19.8
Freq. (MHz)	3.5	6.3	466.0	499.0
Limit (dB)	57.6	52.2	-23.4	-26.0

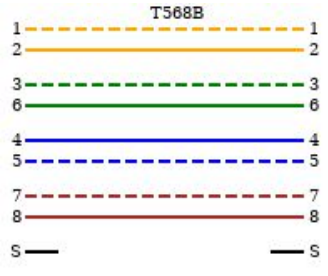
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.5	2.8	6.6	7.0
Freq. (MHz)	9.4	9.4	497.0	491.0
Limit (dB)	19.0	19.0	6.0	6.0

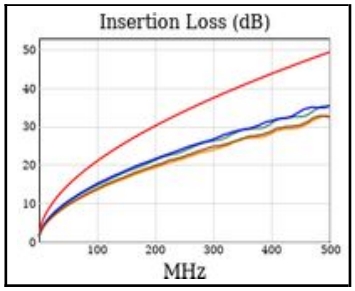
Compliant Network Standards:

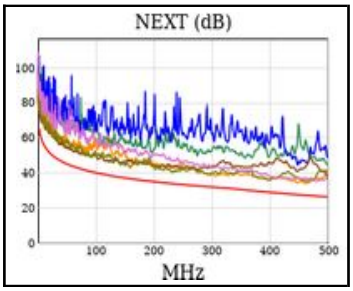
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

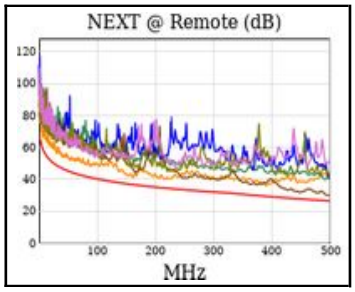


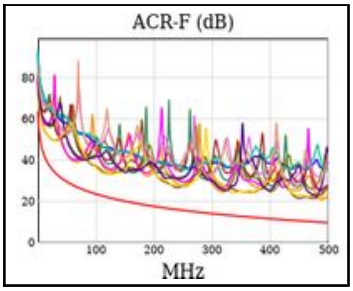
PASS

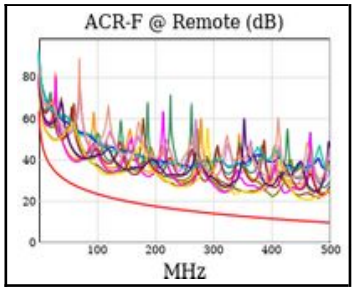


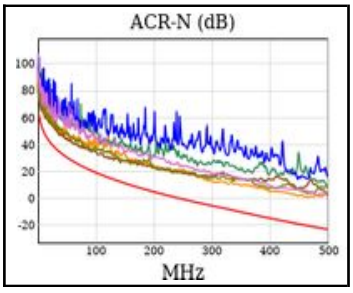


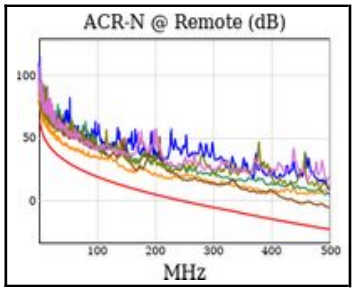


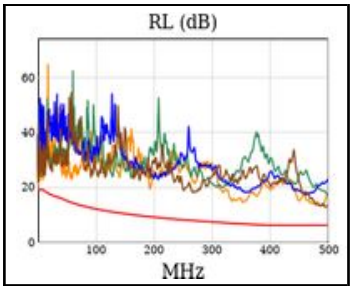


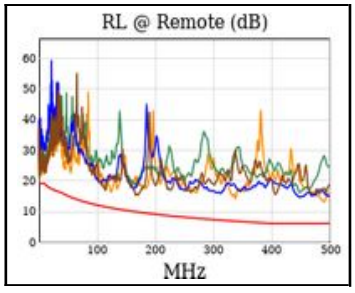












FLUKE networks

LinkWare Live

Cable ID: 162-B

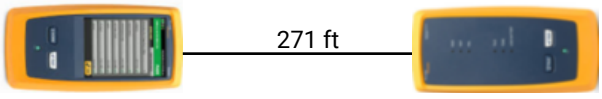
Test Summary: PASS

Date / Time: 12/04/2022 12:14:22 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

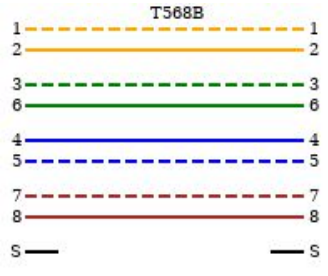
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

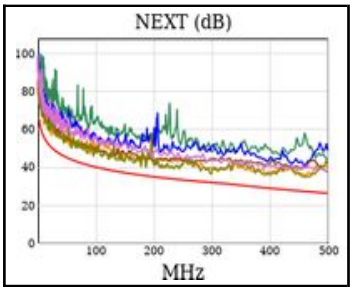
Length (ft), Limit 328	[Pair 1,2]	271
Prop. Delay (ns), Limit 555	[Pair 4,5]	430
Delay Skew (ns), Limit 50	[Pair 4,5]	26
Resistance (ohms)	[Pair 7,8]	14.8
Insertion Loss Margin (dB)	[Pair 3,6]	13.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

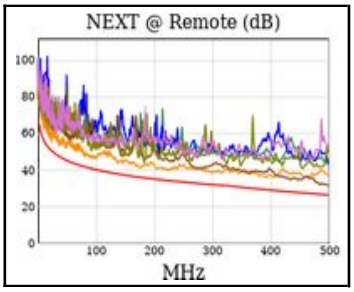


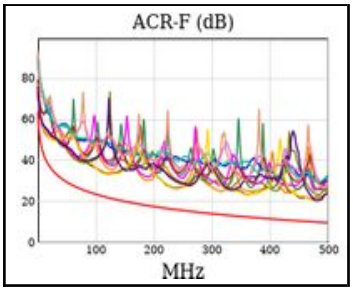
PASS

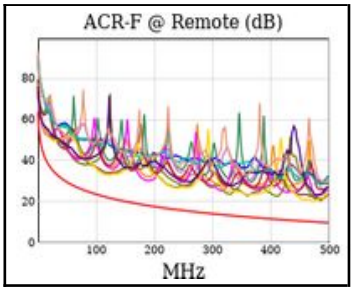


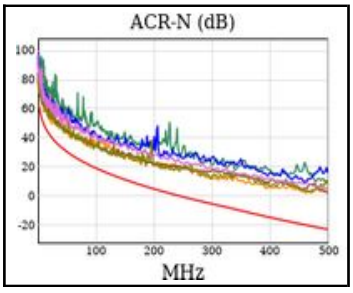


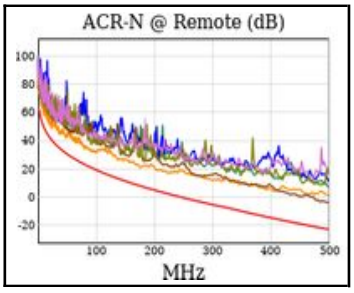


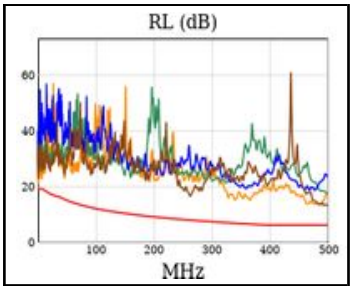


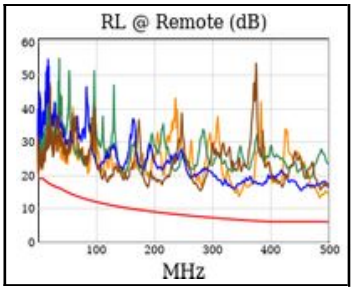












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.3	4.7	7.4	5.1
Freq. (MHz)	187.0	23.9	461.0	500.0
Limit (dB)	35.3	50.4	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	6.3	7.3	7.0
Freq. (MHz)	300.0	23.9	463.0	500.0
Limit (dB)	28.8	47.7	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.4	9.9	10.4	10.0
Freq. (MHz)	476.0	473.0	484.0	476.0
Limit (dB)	9.7	9.8	9.6	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.0	10.1	10.0
Freq. (MHz)	484.0	488.0	484.0	488.0
Limit (dB)	6.6	6.5	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	7.7	22.1	18.7
Freq. (MHz)	11.1	24.0	464.0	500.0
Limit (dB)	49.0	40.3	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.2	21.4	20.3
Freq. (MHz)	3.4	23.9	470.0	500.0
Limit (dB)	57.9	37.7	-23.7	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	3.6	2.5	7.1	7.2
Freq. (MHz)	8.0	8.0	499.0	486.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 163-A

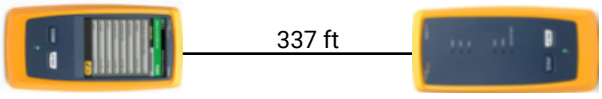
Test Summary: PASS

Date / Time: 12/04/2022 12:18:54 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

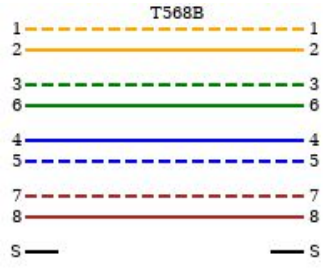
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

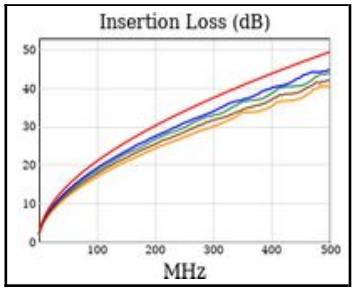
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

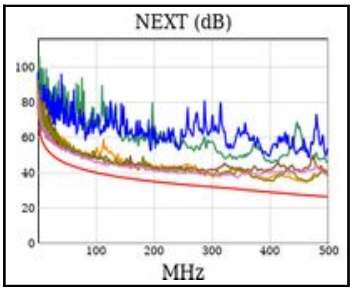
Length (ft), Limit 328	[Pair 1,2]	337
Prop. Delay (ns), Limit 555	[Pair 4,5]	538
Delay Skew (ns), Limit 50	[Pair 4,5]	35
Resistance (ohms)	[Pair 3,6]	19.3
Insertion Loss Margin (dB)	[Pair 4,5]	4.5
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

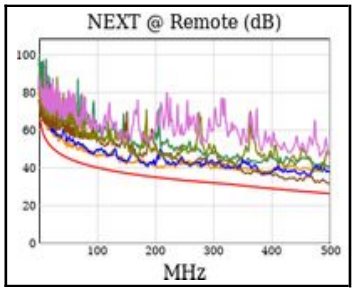


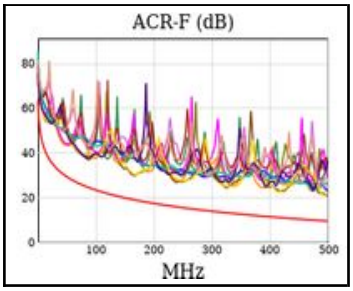
PASS

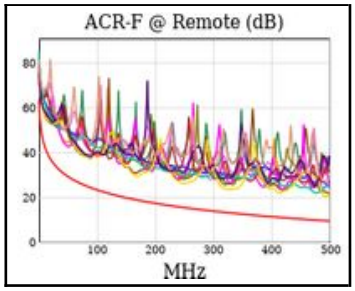


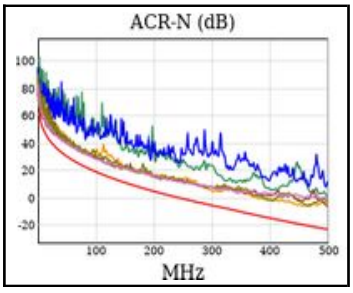


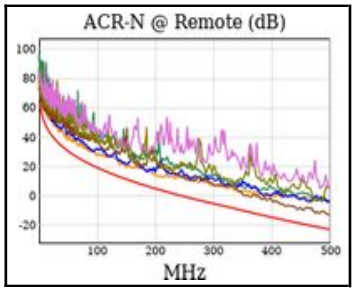


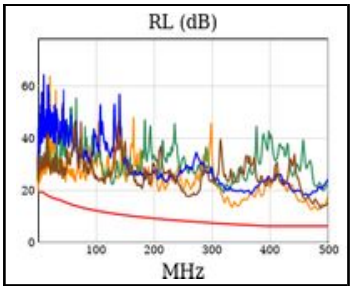


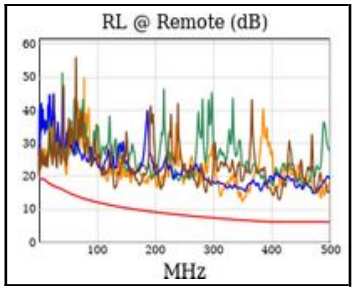












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	4.4	7.5	5.4
Freq. (MHz)	3.8	3.3	463.0	500.0
Limit (dB)	63.5	64.5	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.6	4.8	7.4	6.7
Freq. (MHz)	4.8	5.0	462.0	476.0
Limit (dB)	59.3	59.0	24.1	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.8	10.3	11.2	10.5
Freq. (MHz)	166.0	330.0	500.0	494.0
Limit (dB)	18.9	12.9	9.3	9.4
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.8	11.1	12.9	12.1
Freq. (MHz)	331.0	242.5	500.0	493.0
Limit (dB)	9.9	12.6	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	4.7	4.9	14.3	9.9
Freq. (MHz)	3.8	3.3	468.0	500.0
Limit (dB)	59.5	60.7	-20.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	4.1	5.3	13.5	12.2
Freq. (MHz)	4.8	3.0	467.0	500.0
Limit (dB)	54.8	58.4	-23.5	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	3.7	2.9	6.2	5.5
Freq. (MHz)	3.4	3.3	483.0	350.0
Limit (dB)	19.0	19.0	6.0	6.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 163-B

Test Summary: PASS

Date / Time: 12/04/2022 12:19:14 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	339
Prop. Delay (ns), Limit 555	[Pair 4,5]	538
Delay Skew (ns), Limit 50	[Pair 4,5]	33
Resistance (ohms)	[Pair 3,6]	19.2
Insertion Loss Margin (dB)	[Pair 4,5]	4.7
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.6	3.7	7.0	3.9
Freq. (MHz)	3.8	164.0	458.0	500.0
Limit (dB)	63.5	36.3	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.0	4.8	7.1	5.5
Freq. (MHz)	3.8	4.0	460.0	500.0
Limit (dB)	61.0	60.5	24.2	23.2

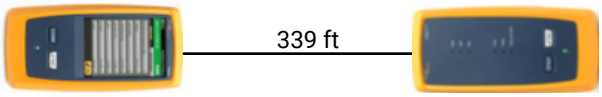
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	9.7	10.0	9.7	10.7
Freq. (MHz)	412.0	339.0	412.0	444.0
Limit (dB)	11.0	12.7	11.0	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.7	11.5	11.7
Freq. (MHz)	267.0	268.0	473.0	473.0
Limit (dB)	11.7	11.7	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	4.1	5.2	13.1	8.6
Freq. (MHz)	3.8	6.9	462.0	500.0
Limit (dB)	59.5	53.8	-20.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	4.4	5.2	15.5	10.2
Freq. (MHz)	3.8	4.0	500.0	500.0
Limit (dB)	57.0	56.4	-26.1	-26.1

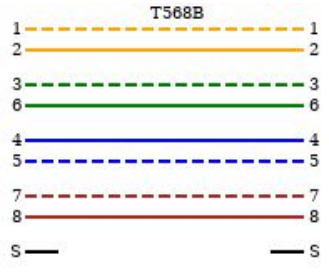
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	3.5	3.0	6.9	3.8
Freq. (MHz)	3.4	3.3	487.0	207.0
Limit (dB)	19.0	19.0	6.0	8.8

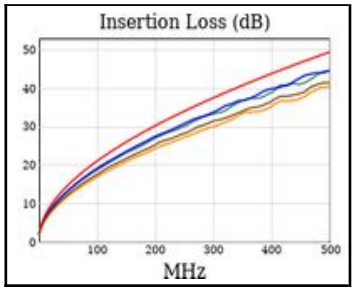
Compliant Network Standards:

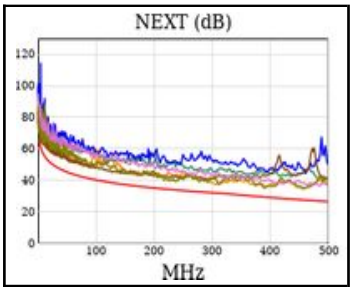
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

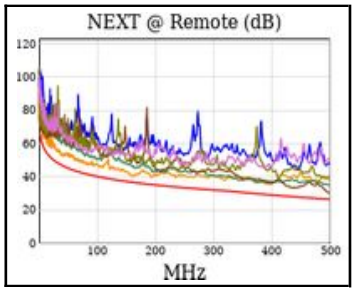


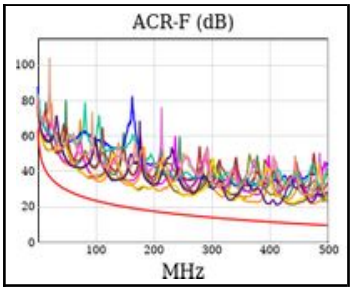
PASS

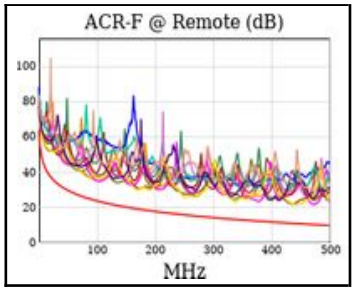


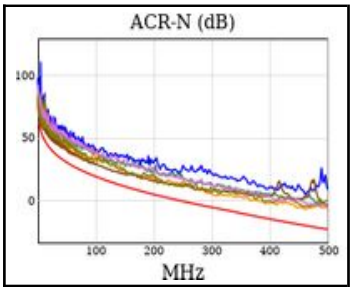


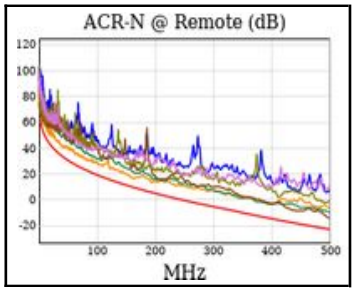


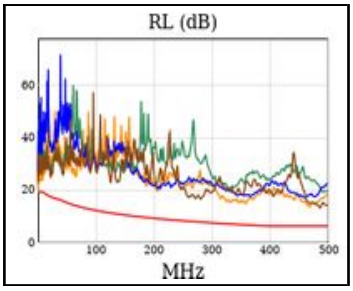


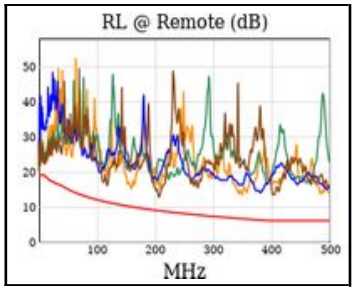












FLUKE networks

LinkWare Live

Cable ID: 160-A-2

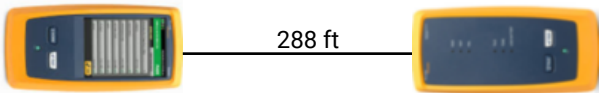
Test Summary: PASS

Date / Time: 12/11/2022 04:06:06 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

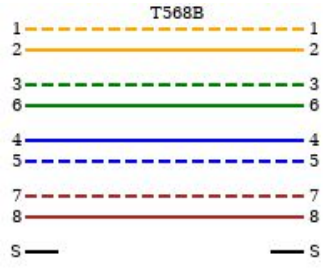
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

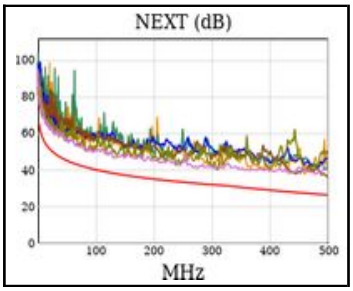
Length (ft), Limit 328	[Pair 7,8]	288
Prop. Delay (ns), Limit 555	[Pair 4,5]	448
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	11.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

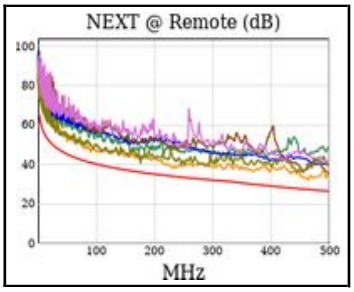


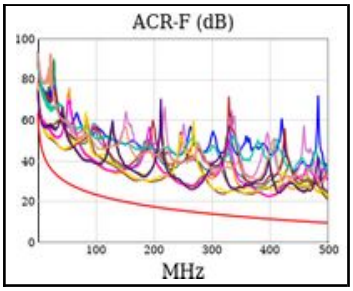
PASS

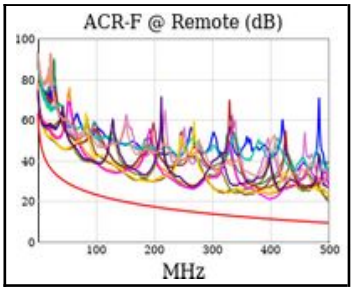


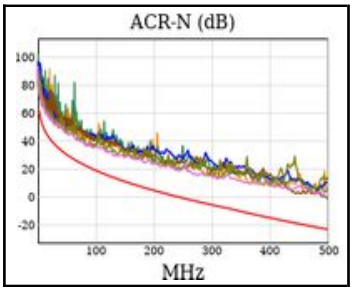


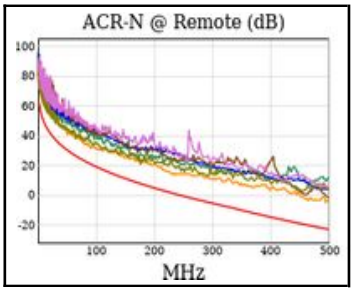


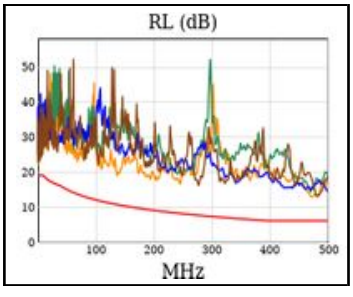


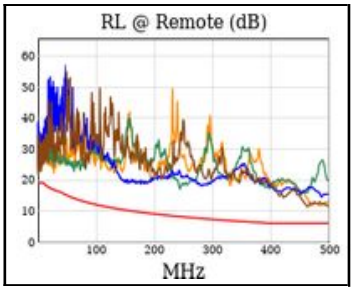












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	8.1	4.2	9.6	4.6
Freq. (MHz)	310.0	234.0	500.0	465.0
Limit (dB)	31.5	33.6	26.1	27.0
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.8	5.4	10.3	5.8
Freq. (MHz)	310.0	238.5	500.0	457.0
Limit (dB)	28.5	30.5	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	9.8	11.6	10.7
Freq. (MHz)	320.0	399.0	500.0	500.0
Limit (dB)	13.2	11.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	11.7	11.3
Freq. (MHz)	2.6	358.0	500.0	500.0
Limit (dB)	51.9	9.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	9.6	21.8	17.4
Freq. (MHz)	3.4	3.4	500.0	496.0
Limit (dB)	60.4	60.4	-23.2	-22.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.3	10.4	22.5	18.4
Freq. (MHz)	3.4	3.4	500.0	496.0
Limit (dB)	57.9	57.9	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	4.7	3.6	6.7	5.4
Freq. (MHz)	6.4	6.3	484.0	499.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 160-B-2

Test Summary: PASS

Date / Time: 12/11/2022 04:06:26 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	288
Prop. Delay (ns), Limit 555	[Pair 4,5]	447
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	15.8
Insertion Loss Margin (dB)	[Pair 3,6]	11.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.2	4.3	9.4	5.7
Freq. (MHz)	252.0	312.0	459.0	471.0
Limit (dB)	33.1	31.5	27.1	26.8
Worst Pair	7,8	1,2	4,5	1,2
PS NEXT (dB)	6.5	6.3	10.2	7.8
Freq. (MHz)	229.5	312.0	500.0	471.0
Limit (dB)	30.8	28.5	23.2	23.9

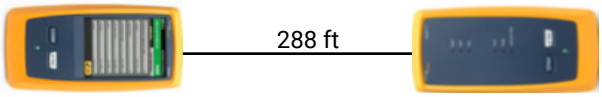
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	7,8-3,6
ACR-F (dB)	10.9	10.9	12.8	11.1
Freq. (MHz)	11.3	8.9	485.0	415.0
Limit (dB)	42.2	44.3	9.5	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.7	12.7	13.4
Freq. (MHz)	1.4	3.9	499.0	499.0
Limit (dB)	57.5	48.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.2	8.9	20.2	17.3
Freq. (MHz)	9.4	9.4	460.0	472.0
Limit (dB)	50.8	50.8	-20.0	-21.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.5	9.9	22.7	19.9
Freq. (MHz)	3.4	3.4	500.0	494.0
Limit (dB)	57.9	57.9	-26.1	-25.6

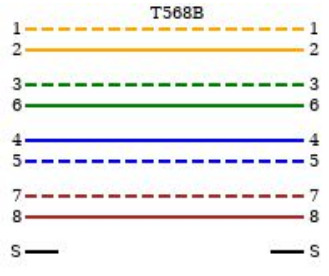
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.5	4.4	7.7	4.7
Freq. (MHz)	7.4	6.3	493.0	491.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

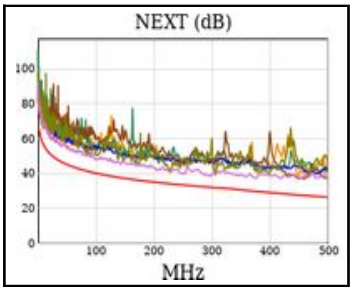
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

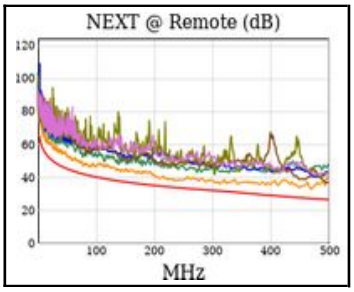


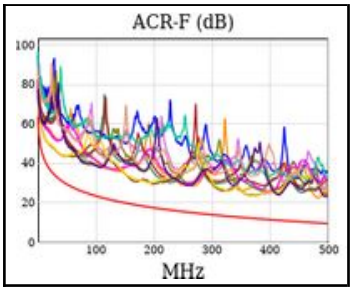
PASS

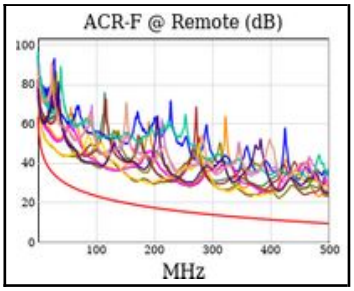


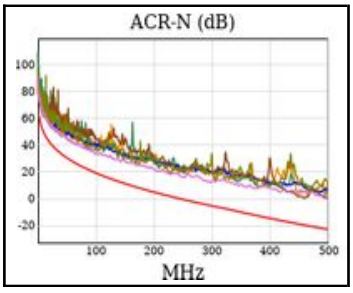


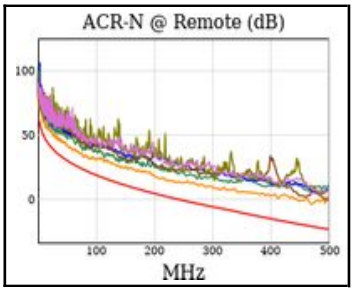


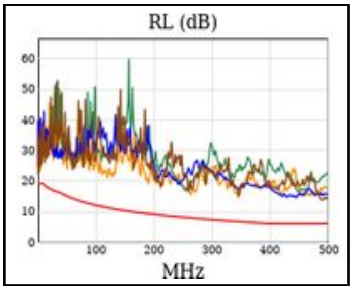


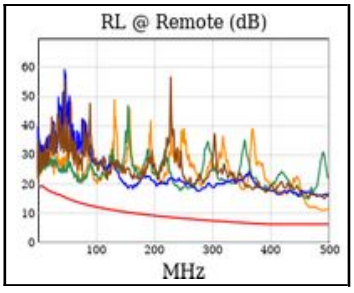












FLUKE networks

LinkWare Live

Cable ID: 162-A-2

Test Summary: PASS

Date / Time: 12/11/2022 04:09:56 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	321
Prop. Delay (ns), Limit 555	[Pair 4,5]	498
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	16.2
Insertion Loss Margin (dB)	[Pair 3,6]	7.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.2	1.9	9.3	4.3
Freq. (MHz)	3.0	85.3	500.0	456.0
Limit (dB)	65.0	41.1	26.1	27.2
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	4.1	4.4	11.1	6.1
Freq. (MHz)	7.1	85.3	500.0	456.0
Limit (dB)	56.4	38.3	23.2	24.3

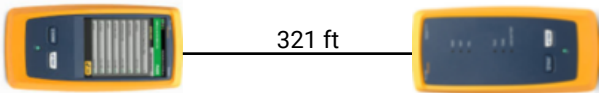
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.1	10.0	10.4	10.6
Freq. (MHz)	315.0	323.0	484.0	457.0
Limit (dB)	13.3	13.1	9.6	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.8	10.2	10.8
Freq. (MHz)	486.0	482.0	486.0	482.0
Limit (dB)	6.5	6.6	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	5.0	5.3	17.6	14.3
Freq. (MHz)	3.0	85.3	500.0	495.0
Limit (dB)	61.4	21.9	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.1	6.0	18.3	14.7
Freq. (MHz)	4.0	7.0	497.0	495.0
Limit (dB)	56.4	51.1	-25.8	-25.7

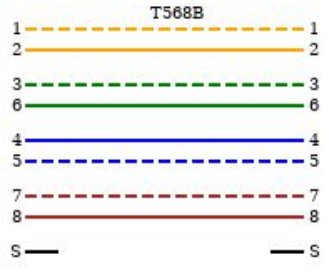
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.5	3.5	5.1	6.0
Freq. (MHz)	6.6	11.8	490.0	497.0
Limit (dB)	19.0	18.6	6.0	6.0

Compliant Network Standards:

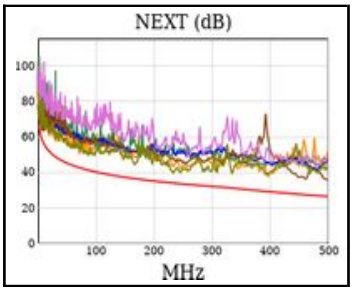
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

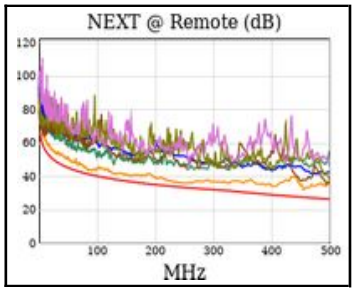


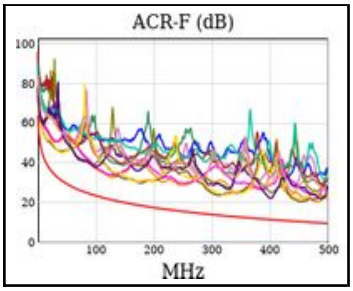
PASS

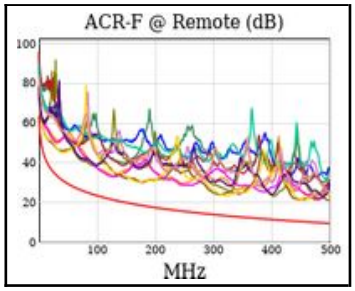


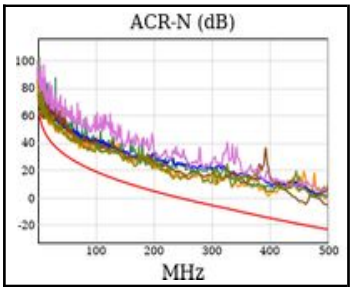


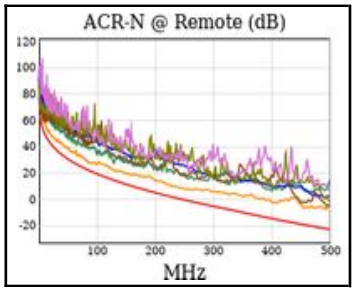


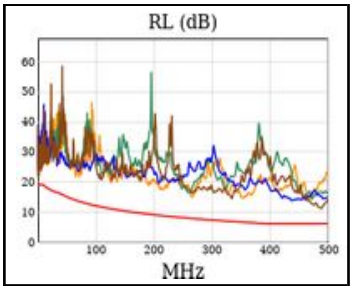


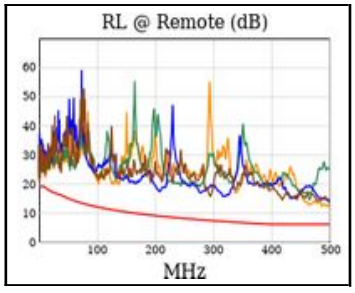












FLUKE networks

LinkWare Live

Cable ID: 162-B-2

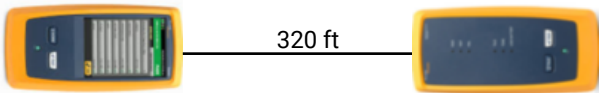
Test Summary: PASS

Date / Time: 12/11/2022 04:12:39 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

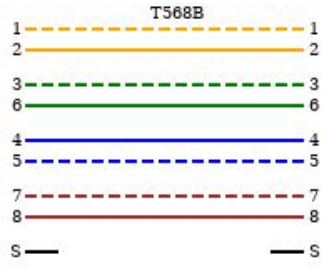
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	320
Prop. Delay (ns), Limit 555	[Pair 4,5]	496
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	16.2
Insertion Loss Margin (dB)	[Pair 3,6]	7.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



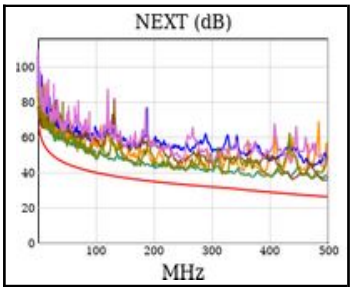
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.9	2.8	9.4	6.0
Freq. (MHz)	4.0	231.5	496.0	466.0
Limit (dB)	63.0	33.7	26.2	26.9
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.3	4.9	9.6	8.4
Freq. (MHz)	4.0	231.5	492.0	500.0
Limit (dB)	60.5	30.7	23.4	23.2

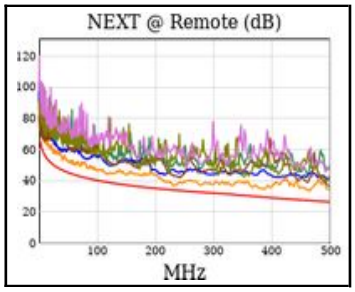
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	10.3	9.7	10.3
Freq. (MHz)	457.0	453.0	458.0	453.0
Limit (dB)	10.1	10.1	10.0	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	11.7	11.2
Freq. (MHz)	164.0	495.0	478.0	495.0
Limit (dB)	16.0	6.4	6.7	6.4

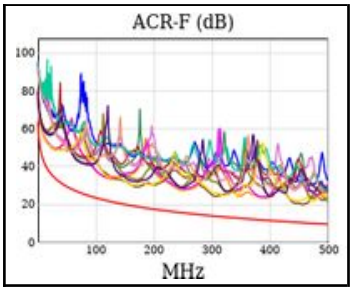
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	5.7	7.0	18.1	15.7
Freq. (MHz)	4.0	5.0	500.0	500.0
Limit (dB)	58.9	56.9	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.1	7.8	18.5	16.1
Freq. (MHz)	4.0	3.1	500.0	500.0
Limit (dB)	56.4	58.3	-26.1	-26.1

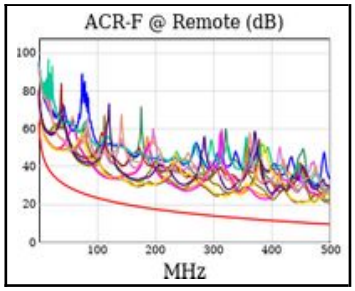
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	3.9	4.6	6.2	5.6
Freq. (MHz)	4.6	6.6	497.0	477.0
Limit (dB)	19.0	19.0	6.0	6.0

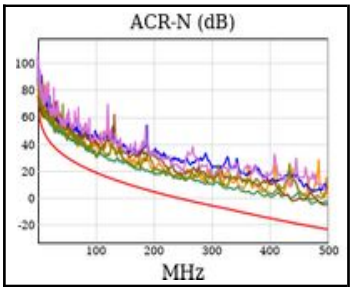


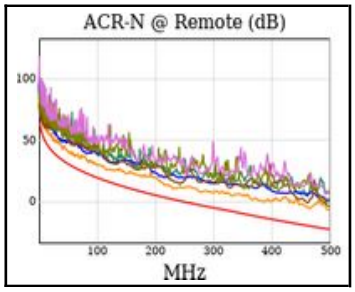


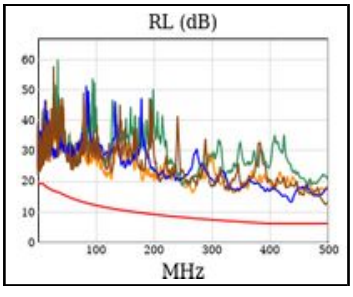


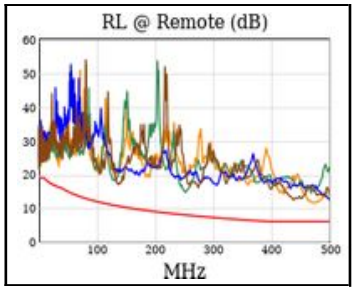












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 163-A-2

Test Summary: PASS

Date / Time: 12/11/2022 04:17:54 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	319
Prop. Delay (ns), Limit 555	[Pair 4,5]	495
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	14.3
Insertion Loss Margin (dB)	[Pair 3,6]	7.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	2.8	7.9	5.1
Freq. (MHz)	3.0	388.0	500.0	499.0
Limit (dB)	65.0	29.1	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	5.3	10.1	6.2
Freq. (MHz)	4.1	5.0	500.0	499.0
Limit (dB)	60.3	59.0	23.2	23.3

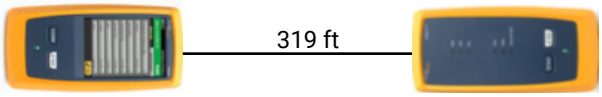
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	7,8-3,6
ACR-F (dB)	9.1	9.2	9.2	9.7
Freq. (MHz)	447.0	451.0	450.0	478.0
Limit (dB)	10.3	10.2	10.2	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	9.3	10.9	9.4
Freq. (MHz)	474.0	472.0	474.0	478.0
Limit (dB)	6.7	6.8	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	4.3	5.4	16.2	12.7
Freq. (MHz)	3.0	3.0	500.0	499.0
Limit (dB)	61.4	61.4	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	4.9	6.3	17.8	13.9
Freq. (MHz)	4.1	4.0	500.0	499.0
Limit (dB)	56.1	56.4	-26.1	-26.0

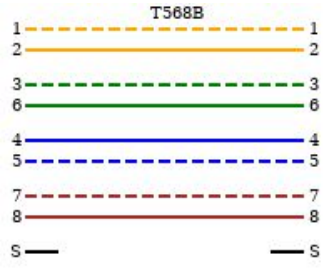
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	4.5	4.4	6.9	6.2
Freq. (MHz)	4.6	4.6	479.0	470.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

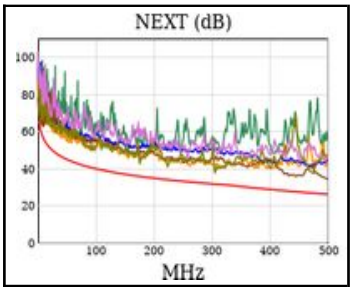
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

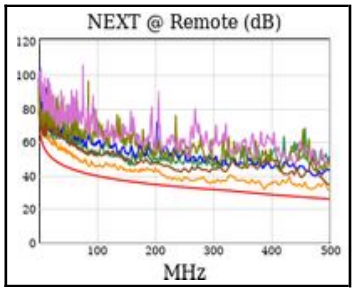


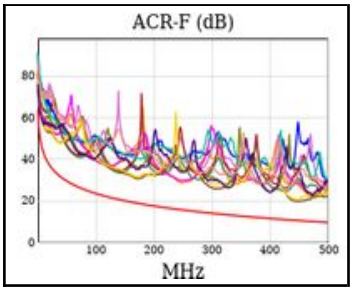
PASS

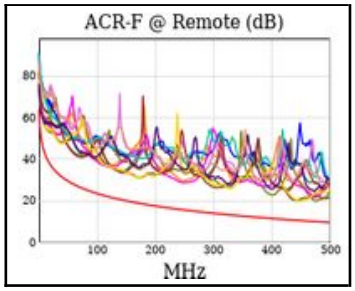


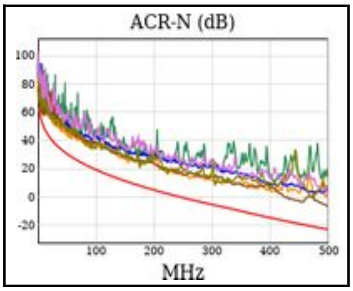


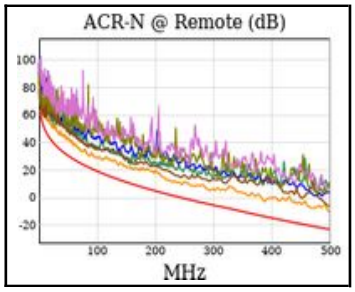


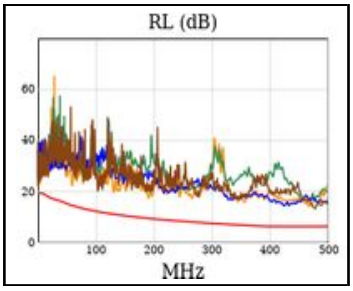


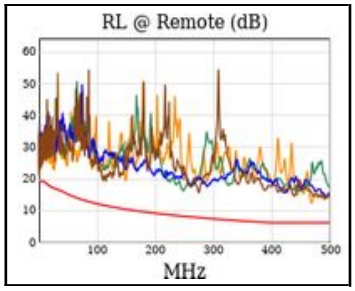












FLUKE networks

LinkWare Live

Cable ID: 163-B-2

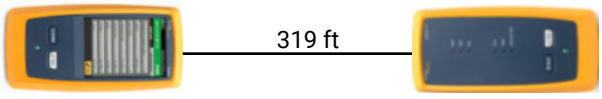
Test Summary: PASS

Date / Time: 12/11/2022 04:22:06 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

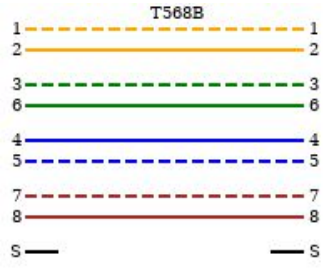
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	319
Prop. Delay (ns), Limit 555	[Pair 4,5]	495
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	19.3
Insertion Loss Margin (dB)	[Pair 3,6]	7.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

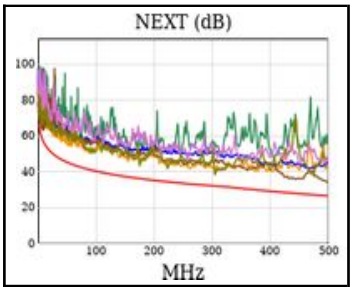


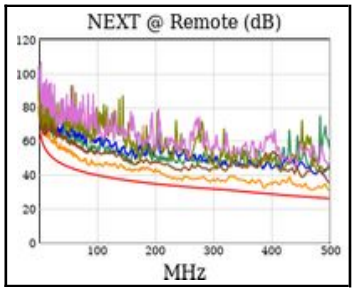
PASS



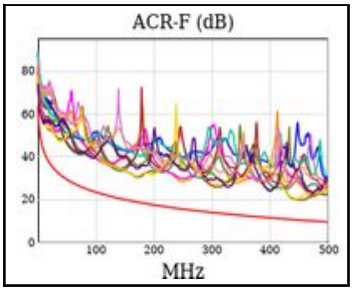


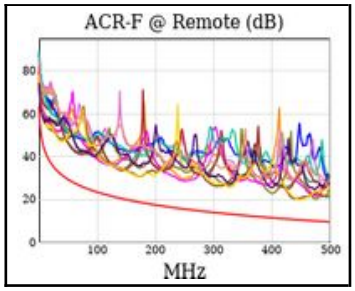
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.7	3.0	7.5	4.8
Freq. (MHz)	3.0	388.0	500.0	500.0
Limit (dB)	65.0	29.1	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	5.3	9.7	6.4
Freq. (MHz)	4.1	5.0	500.0	500.0
Limit (dB)	60.3	59.0	23.2	23.2



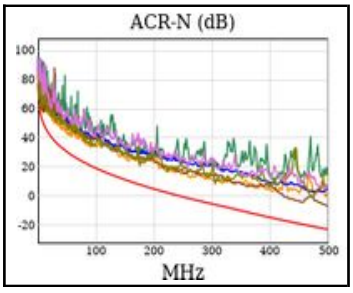


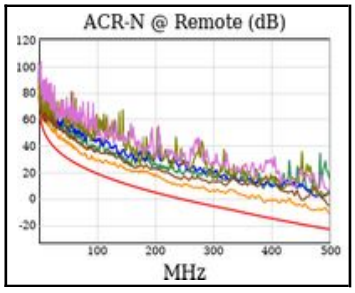
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.3	9.4	9.3
Freq. (MHz)	456.0	452.0	456.0	452.0
Limit (dB)	10.1	10.2	10.1	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	9.6	10.9	9.7
Freq. (MHz)	3.4	473.0	474.0	478.0
Limit (dB)	49.7	6.8	6.7	6.7



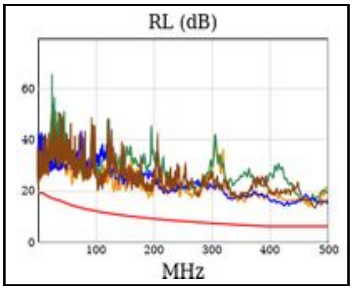


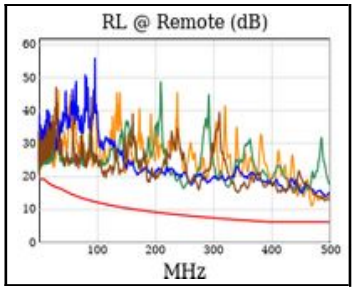
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	4.4	5.4	15.8	12.4
Freq. (MHz)	3.0	3.0	500.0	500.0
Limit (dB)	61.4	61.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	4.7	6.2	17.3	14.0
Freq. (MHz)	4.1	5.0	500.0	500.0
Limit (dB)	56.1	54.3	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.2	3.5	7.1	4.8
Freq. (MHz)	4.6	3.4	479.0	470.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 160-B

Test Summary: PASS

Date / Time: 12/17/2022 07:12:51 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	120
Prop. Delay (ns), Limit 555	[Pair 4,5]	187
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	16.5
Insertion Loss Margin (dB)	[Pair 3,6]	31.5
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	1,2-3,6
NEXT (dB)	4.6	7.0	6.7	7.5
Freq. (MHz)	228.0	96.3	461.0	384.0
Limit (dB)	33.8	40.2	27.1	29.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.1	7.5	7.6	10.9
Freq. (MHz)	159.0	5.5	464.0	495.0
Limit (dB)	33.6	58.3	24.1	23.3

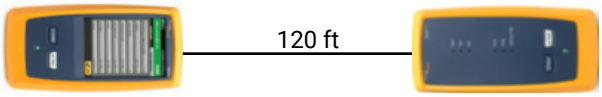
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.5	11.6	10.6
Freq. (MHz)	436.0	436.0	493.0	444.0
Limit (dB)	10.5	10.5	9.4	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	11.9	12.0
Freq. (MHz)	12.9	389.0	433.0	444.0
Limit (dB)	38.1	8.5	7.5	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	10.4	11.5	39.8	41.9
Freq. (MHz)	5.3	3.0	470.0	470.0
Limit (dB)	56.4	61.4	-20.8	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	10.5	39.0	42.6
Freq. (MHz)	5.5	5.5	464.0	495.0
Limit (dB)	53.4	53.4	-23.2	-25.7

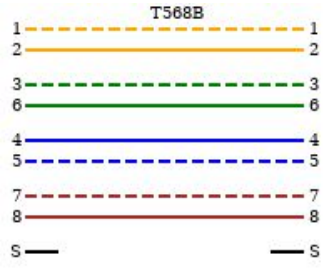
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.2	3.5	7.0	7.3
Freq. (MHz)	55.0	17.5	409.0	498.0
Limit (dB)	14.6	17.8	6.0	6.0

Compliant Network Standards:

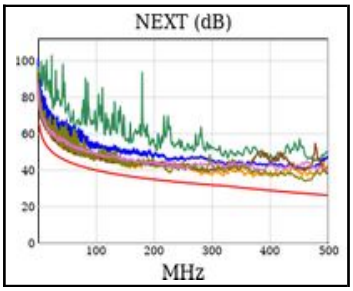
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

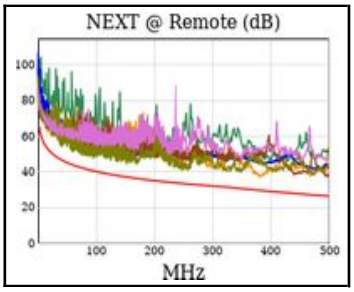


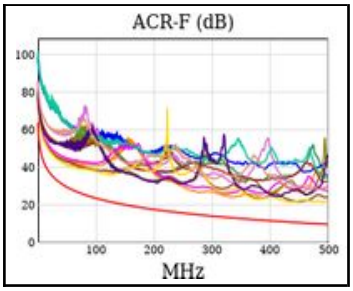
PASS

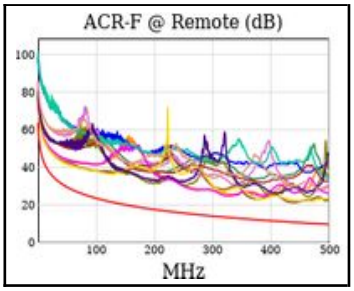


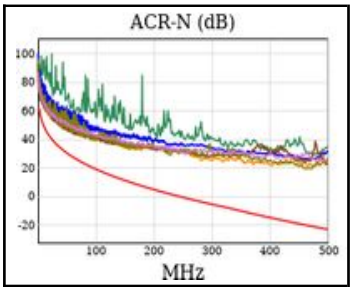


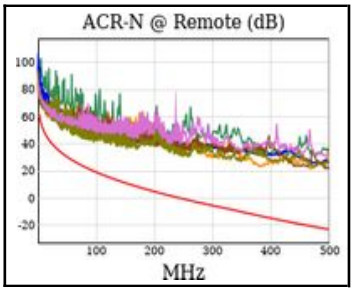


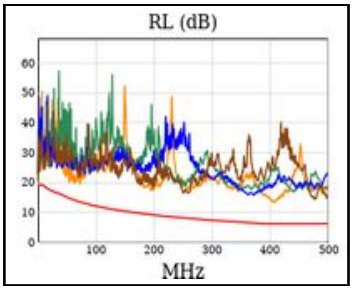


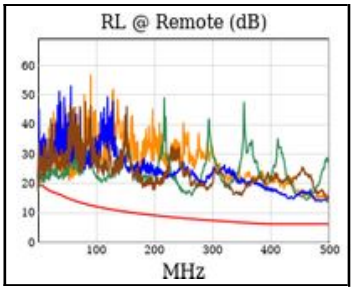












FLUKE networks

LinkWare Live

Cable ID: 162-A

Test Summary: PASS

Date / Time: 12/17/2022 07:00:05 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	86
Prop. Delay (ns), Limit 555	[Pair 4,5]	134
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	17.4
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	6.4	5.0	9.6
Freq. (MHz)	240.0	156.0	404.0	499.0
Limit (dB)	33.4	36.6	28.6	26.1
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	3.7	6.7	6.3	8.0
Freq. (MHz)	77.8	4.0	404.0	404.0
Limit (dB)	39.0	60.5	25.7	25.7

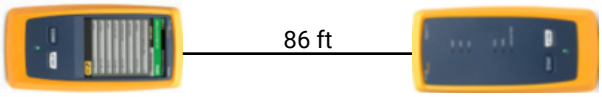
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	9.6	10.2	9.6
Freq. (MHz)	498.0	499.0	498.0	499.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.3	11.2	11.6
Freq. (MHz)	8.1	1.0	499.0	499.0
Limit (dB)	42.1	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.0	10.0	37.7	47.0
Freq. (MHz)	3.8	4.0	404.0	499.0
Limit (dB)	59.5	58.9	-15.3	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.8	9.4	46.6	47.2
Freq. (MHz)	3.8	4.0	498.0	499.0
Limit (dB)	57.0	56.4	-25.9	-26.0

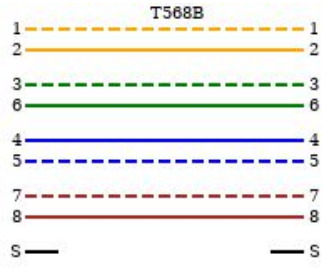
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	3.9	3.1	6.8	6.0
Freq. (MHz)	60.0	54.8	421.0	462.0
Limit (dB)	14.2	14.6	6.0	6.0

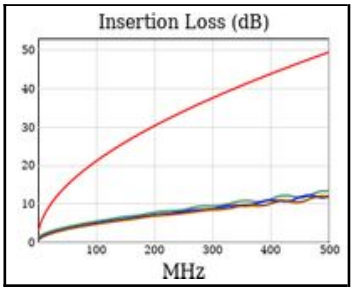
Compliant Network Standards:

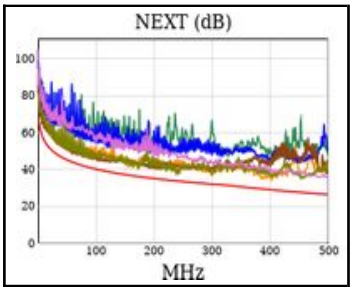
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

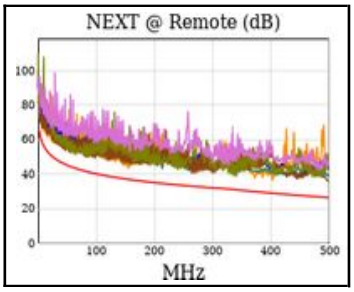


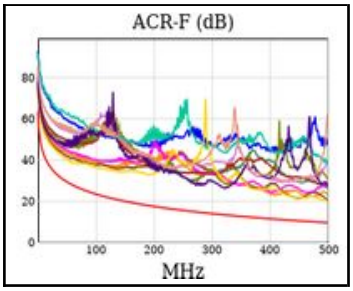
PASS

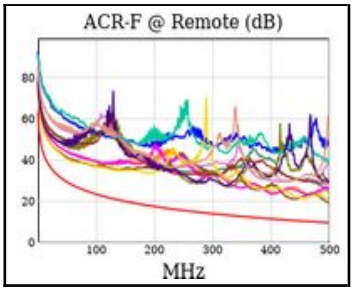


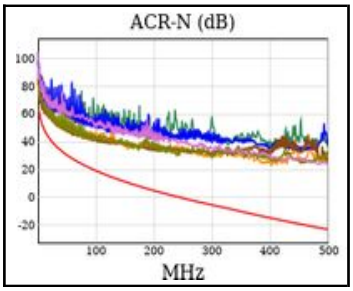


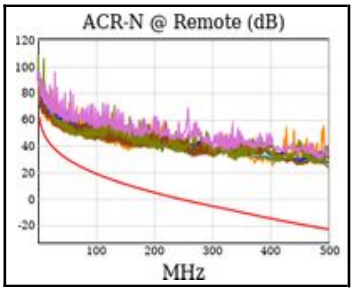


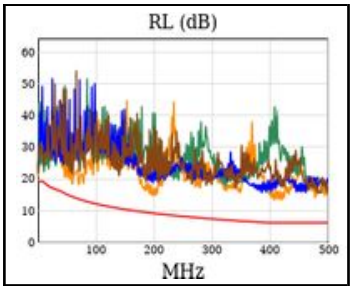


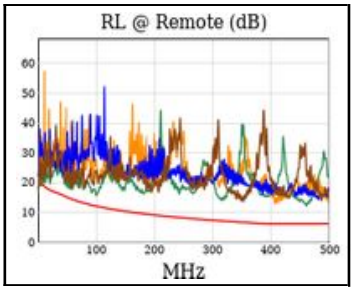












FLUKE networks

LinkWare Live

Cable ID: 162-B

Test Summary: PASS

Date / Time: 12/17/2022 07:00:26 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	131
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	12.7
Insertion Loss Margin (dB)	[Pair 3,6]	36.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	3.1	6.4	6.7	7.6
Freq. (MHz)	227.0	249.0	492.0	500.0
Limit (dB)	33.8	33.1	26.3	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.2	6.2	5.6	8.9
Freq. (MHz)	66.0	236.5	401.0	496.0
Limit (dB)	40.2	30.6	25.8	23.3

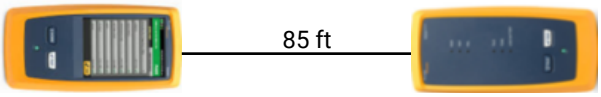
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.1	11.1	10.1	11.7
Freq. (MHz)	497.0	447.0	497.0	500.0
Limit (dB)	9.3	10.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.0	11.5	11.1	12.9
Freq. (MHz)	30.9	1.3	496.0	498.0
Limit (dB)	30.5	58.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	8.9	9.9	43.8	45.7
Freq. (MHz)	3.8	4.0	492.0	500.0
Limit (dB)	59.5	58.9	-22.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	9.1	42.8	45.1
Freq. (MHz)	3.8	4.0	454.0	496.0
Limit (dB)	57.0	56.4	-22.4	-25.8

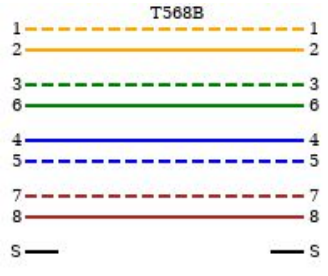
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	3.0	5.3	4.7
Freq. (MHz)	65.3	53.8	498.0	497.0
Limit (dB)	13.9	14.7	6.0	6.0

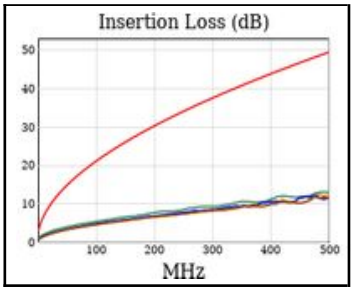
Compliant Network Standards:

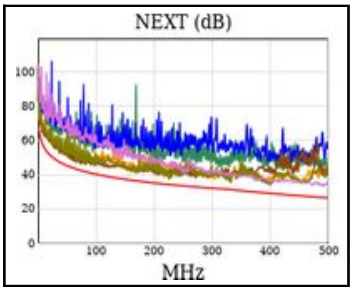
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

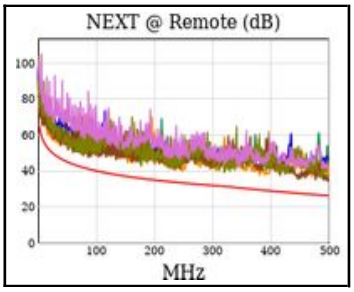


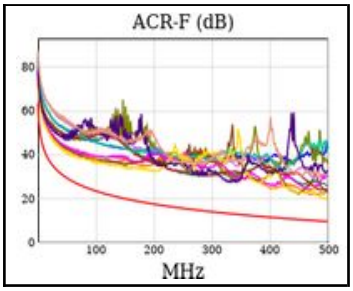
PASS

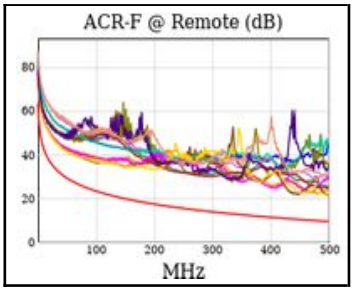


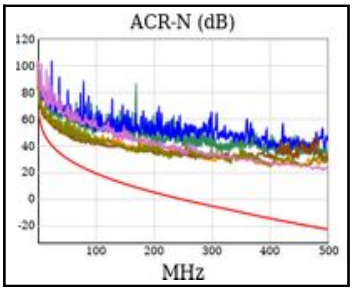


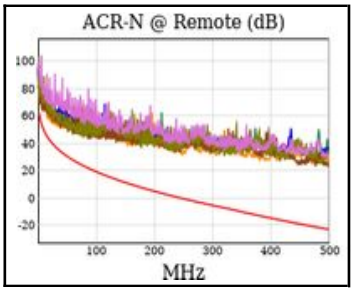


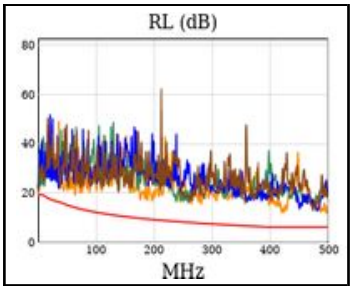


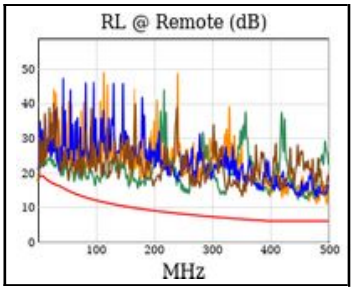












FLUKE networks

LinkWare Live

Cable ID: 161-A

Test Summary: PASS

Date / Time: 12/10/2022 04:43:48 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	185
Prop. Delay (ns), Limit 555	[Pair 4,5]	293
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 4,5]	24.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	7.3	3.7	7.3	9.6
Freq. (MHz)	500.0	170.0	500.0	500.0
Limit (dB)	26.1	36.0	26.1	26.1
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	7.6	3.8	9.7	9.7
Freq. (MHz)	16.8	86.8	500.0	475.0
Limit (dB)	50.3	38.1	23.2	23.8

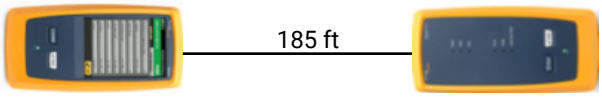
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.4	9.8	9.5
Freq. (MHz)	438.0	436.0	438.0	439.0
Limit (dB)	10.4	10.5	10.4	10.4
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	11.7	11.2	11.7	11.2
Freq. (MHz)	438.0	439.0	438.0	439.0
Limit (dB)	7.4	7.4	7.4	7.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.0	8.7	31.4	33.7
Freq. (MHz)	5.5	11.3	500.0	500.0
Limit (dB)	56.0	48.9	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.9	7.5	33.8	34.5
Freq. (MHz)	3.5	3.4	500.0	500.0
Limit (dB)	57.6	57.9	-26.1	-26.1

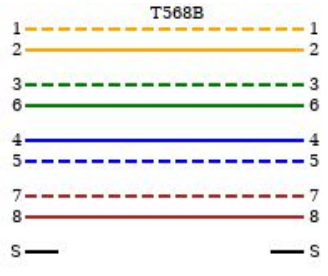
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	3,6	1,2
RL (dB)	5.2	3.4	7.4	5.4
Freq. (MHz)	10.1	79.0	473.0	415.0
Limit (dB)	19.0	13.0	6.0	6.0

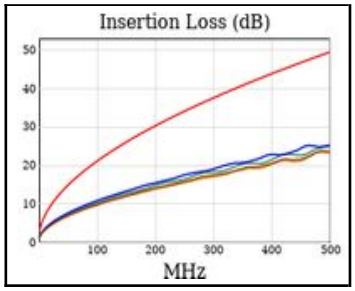
Compliant Network Standards:

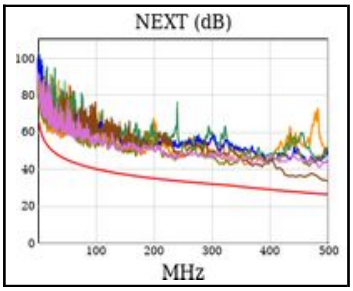
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

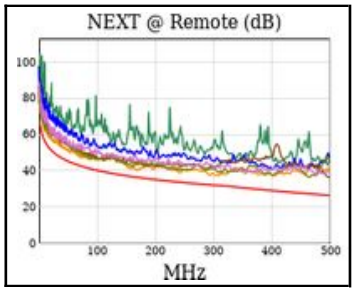


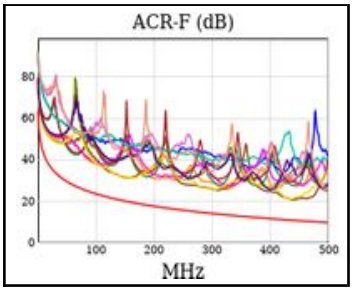
PASS

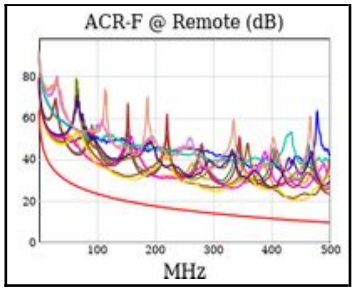


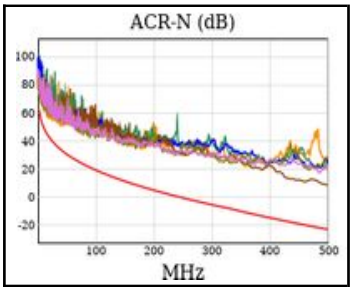


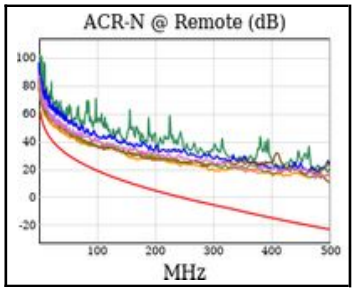


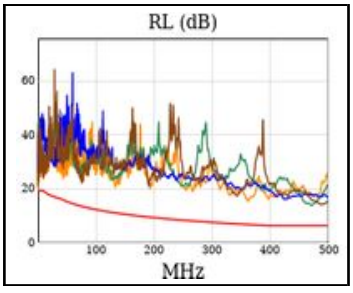


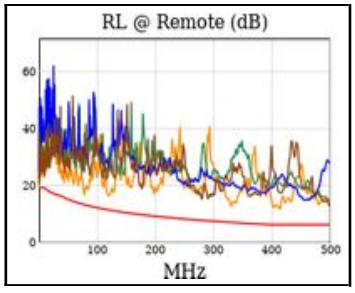












FLUKE networks

LinkWare Live

Cable ID: 161-B

Test Summary: PASS

Date / Time: 12/10/2022 04:48:07 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D127

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	292
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	24.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.7	5.5	6.9	8.0
Freq. (MHz)	448.0	302.0	500.0	459.0
Limit (dB)	27.4	31.7	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.5	5.3	9.4	8.0
Freq. (MHz)	3.6	163.5	500.0	458.0
Limit (dB)	61.2	33.4	23.2	24.2

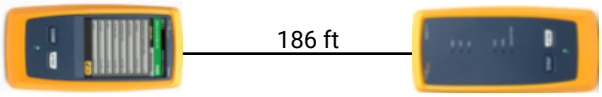
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.1	9.3	9.1	9.4
Freq. (MHz)	500.0	163.5	500.0	500.0
Limit (dB)	9.3	19.0	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.4	11.2	11.5	11.2
Freq. (MHz)	355.0	500.0	500.0	500.0
Limit (dB)	9.3	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	9.1	31.5	35.4
Freq. (MHz)	3.8	3.4	500.0	500.0
Limit (dB)	59.5	60.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	8.4	33.6	35.5
Freq. (MHz)	3.6	3.5	500.0	500.0
Limit (dB)	57.3	57.6	-26.1	-26.1

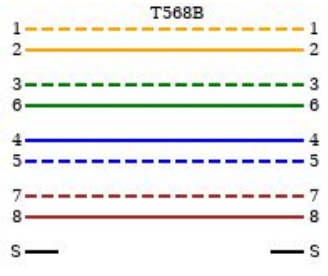
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	7.6	5.2	8.7	5.3
Freq. (MHz)	13.6	71.5	442.0	497.0
Limit (dB)	18.3	13.5	6.0	6.0

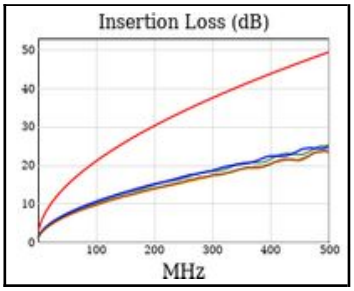
Compliant Network Standards:

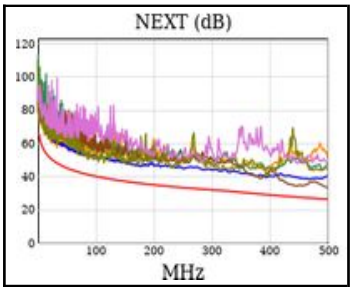
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

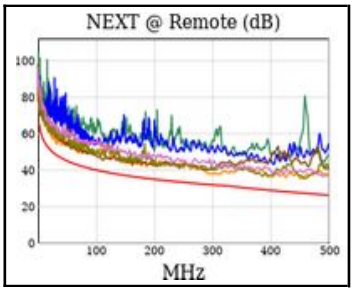


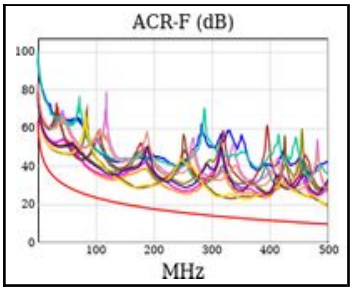
PASS

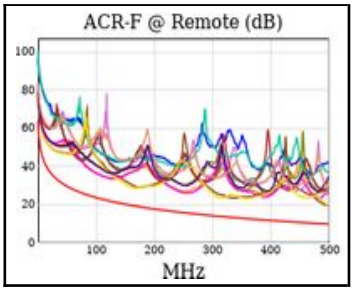


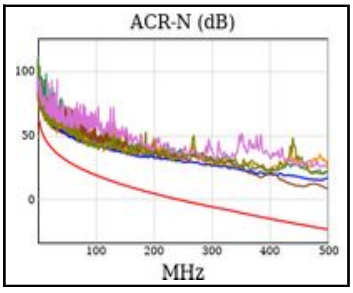


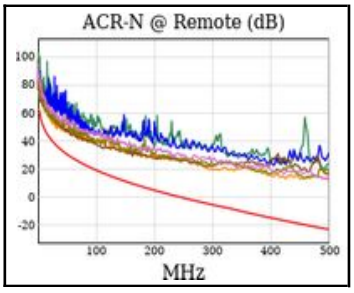


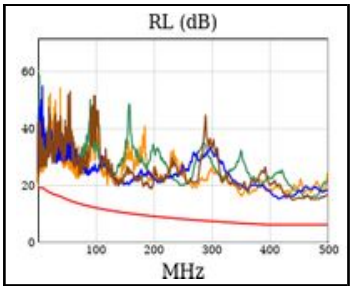


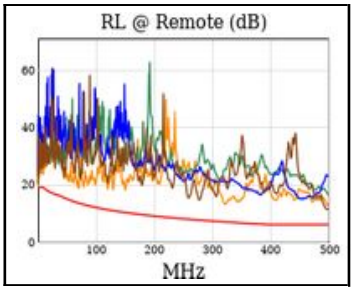












FLUKE networks

LinkWare Live

Cable ID: 161-A

Test Summary: PASS

Date / Time: 12/17/2022 11:43:06 AM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	96
Prop. Delay (ns), Limit 555	[Pair 4,5]	152
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 7,8]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	34.9
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	3.6	4.8	6.2	7.9
Freq. (MHz)	155.5	155.5	399.0	458.0
Limit (dB)	36.7	36.7	28.8	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.9	5.5	8.6	10.4
Freq. (MHz)	156.0	156.0	459.0	496.0
Limit (dB)	33.7	33.7	24.2	23.3

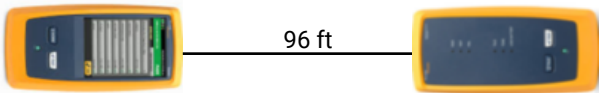
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.1	11.3	11.2
Freq. (MHz)	377.0	376.0	472.0	471.0
Limit (dB)	11.7	11.8	9.8	9.8
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.1	11.4	12.8
Freq. (MHz)	494.0	376.0	494.0	471.0
Limit (dB)	6.4	8.8	6.4	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	9.2	9.3	43.7	41.7
Freq. (MHz)	3.0	3.4	467.0	458.0
Limit (dB)	61.4	60.4	-20.6	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	9.5	45.7	45.3
Freq. (MHz)	3.5	3.4	494.0	496.0
Limit (dB)	57.6	57.9	-25.6	-25.8

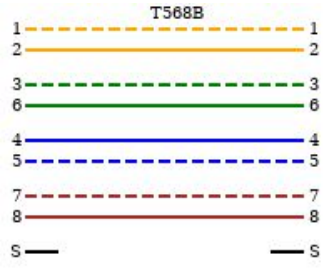
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.1	3.1	5.9	6.9
Freq. (MHz)	73.3	71.3	500.0	495.0
Limit (dB)	13.4	13.5	6.0	6.0

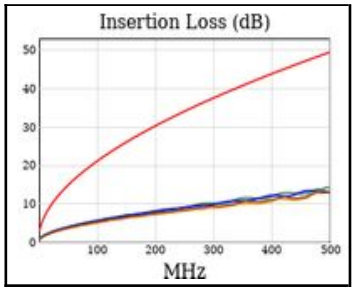
Compliant Network Standards:

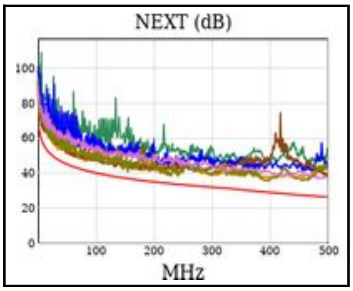
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

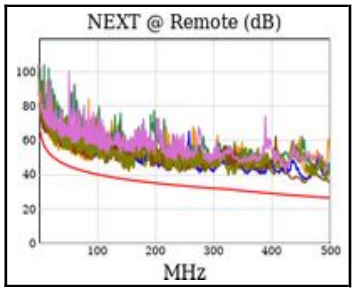


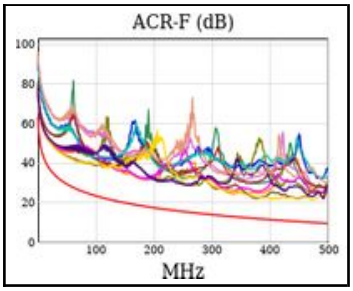
PASS

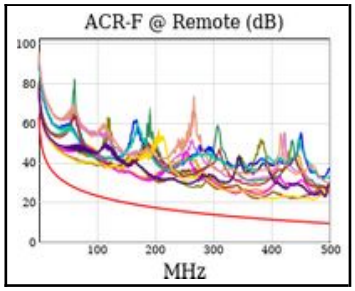


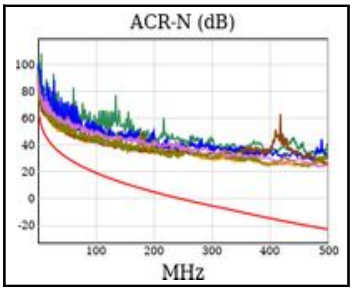


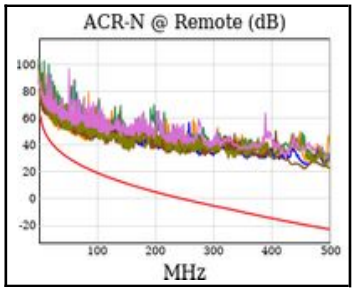


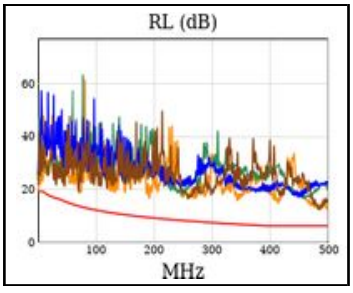


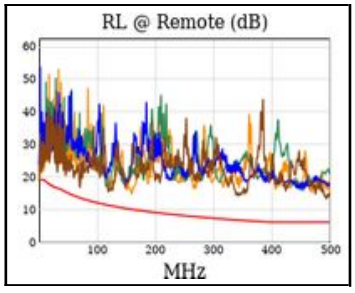












FLUKE networks

LinkWare Live

Cable ID: 161-B

Test Summary: PASS

Date / Time: 12/17/2022 11:43:25 AM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	95
Prop. Delay (ns), Limit 555	[Pair 4,5]	151
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	35.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.4	5.9	7.3	8.7
Freq. (MHz)	294.0	123.5	458.0	497.0
Limit (dB)	31.9	38.4	27.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.4	5.9	7.4	10.7
Freq. (MHz)	161.5	123.5	459.0	497.0
Limit (dB)	33.5	35.5	24.2	23.3

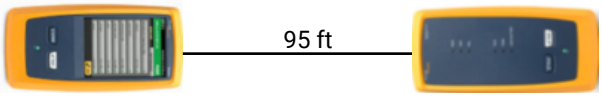
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	7,8-3,6
ACR-F (dB)	10.3	10.4	11.0	12.8
Freq. (MHz)	337.0	327.0	403.0	475.0
Limit (dB)	12.7	13.0	11.2	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	11.3	12.3
Freq. (MHz)	405.0	5.0	405.0	403.0
Limit (dB)	8.1	46.3	8.1	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	12.0	11.6	45.2	45.1
Freq. (MHz)	3.0	3.5	500.0	497.0
Limit (dB)	61.4	60.1	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.8	44.7	45.8
Freq. (MHz)	3.3	3.5	500.0	497.0
Limit (dB)	58.2	57.6	-26.1	-25.8

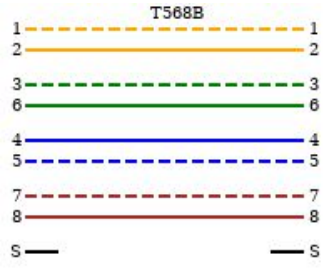
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.5	2.3	6.1	2.3
Freq. (MHz)	138.0	129.0	486.0	129.0
Limit (dB)	10.6	10.9	6.0	10.9

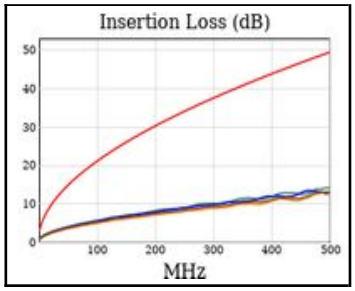
Compliant Network Standards:

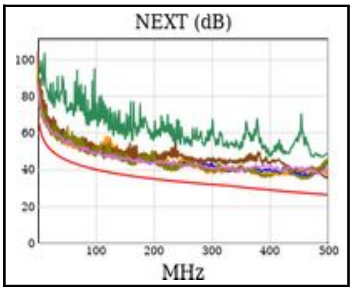
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

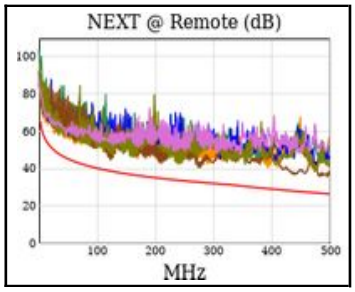


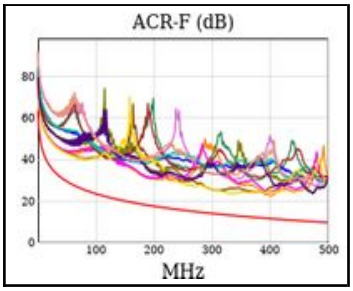
PASS

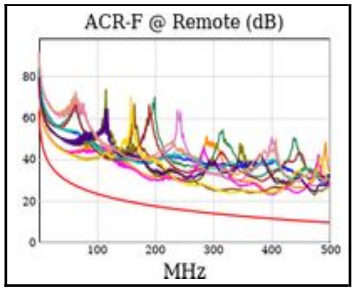


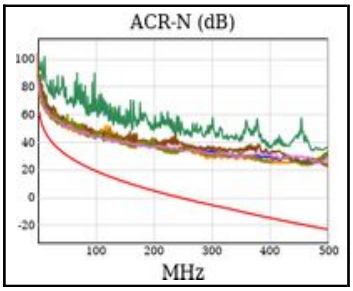


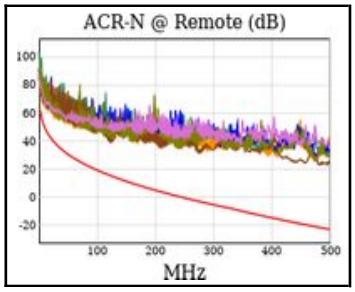


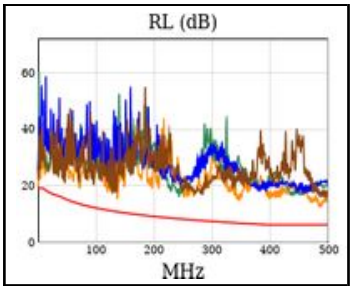


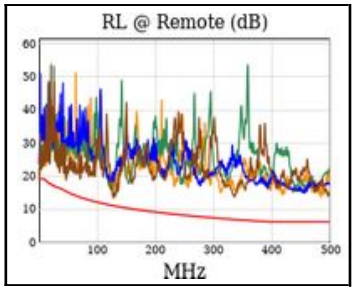












FLUKE networks

LinkWare Live

Cable ID: 164-A

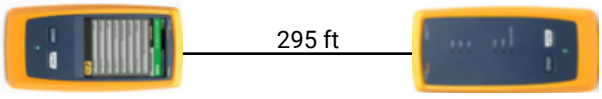
Test Summary: PASS

Date / Time: 12/04/2022 12:21:48 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

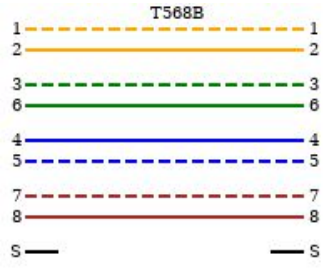
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

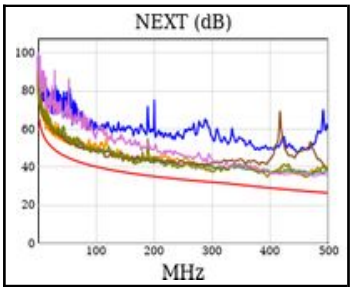
Length (ft), Limit 328	[Pair 1,2]	295
Prop. Delay (ns), Limit 555	[Pair 4,5]	465
Delay Skew (ns), Limit 50	[Pair 4,5]	25
Resistance (ohms)	[Pair 3,6]	17.4
Insertion Loss Margin (dB)	[Pair 3,6]	10.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

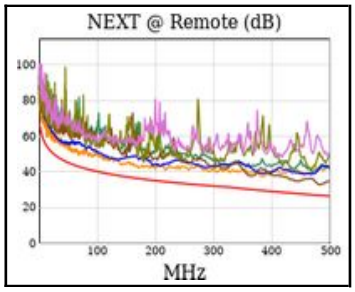


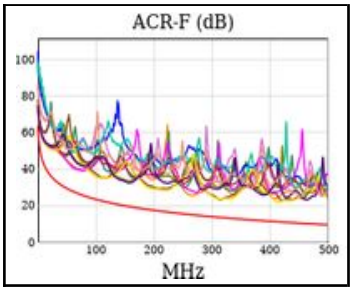
PASS

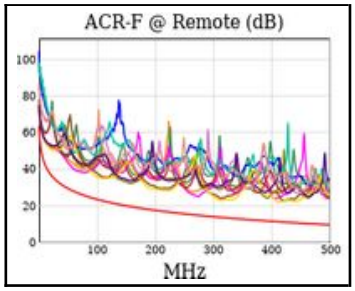


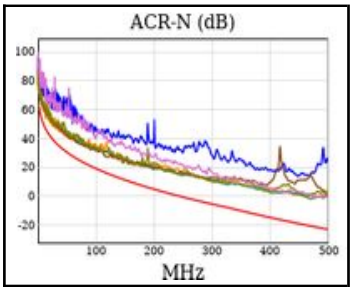


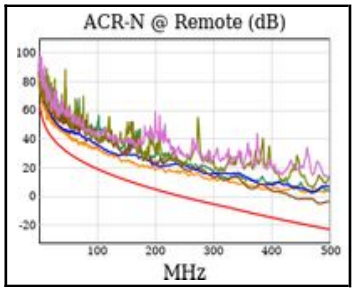


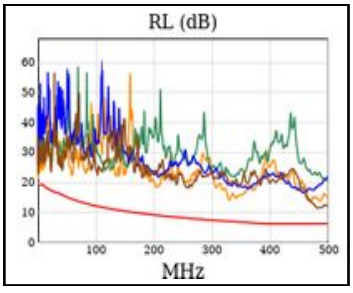


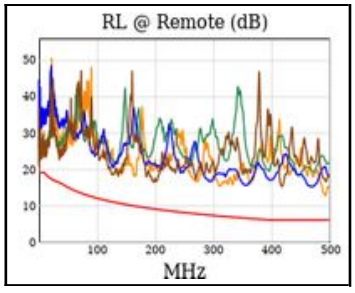












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	5.0	7.5	5.9
Freq. (MHz)	169.0	13.8	465.0	483.0
Limit (dB)	36.0	54.3	27.0	26.5
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	4.3	7.0	7.7	8.2
Freq. (MHz)	165.0	143.0	461.0	483.0
Limit (dB)	33.3	34.4	24.2	23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	9.3	10.6	10.8
Freq. (MHz)	316.0	316.0	416.0	416.0
Limit (dB)	13.3	13.3	10.9	10.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.3	10.4	11.3	13.4
Freq. (MHz)	1.3	3.8	412.0	500.0
Limit (dB)	58.3	48.8	8.0	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
ACR-N (dB)	6.9	6.7	18.7	16.5
Freq. (MHz)	13.8	13.8	471.0	483.0
Limit (dB)	46.7	46.7	-20.9	-21.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.6	8.5	20.2	19.3
Freq. (MHz)	4.4	4.5	500.0	491.0
Limit (dB)	55.6	55.3	-26.1	-25.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.8	3.8	5.2	6.7
Freq. (MHz)	9.6	6.1	484.0	494.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 164-B

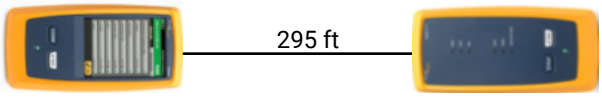
Test Summary: PASS

Date / Time: 12/04/2022 12:23:18 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

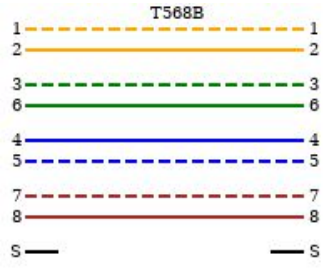
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

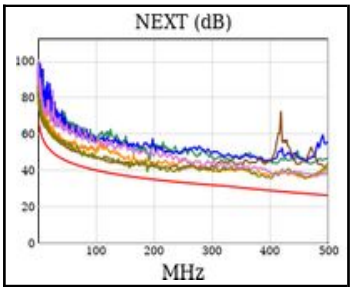
Length (ft), Limit 328	[Pair 1,2]	295
Prop. Delay (ns), Limit 555	[Pair 4,5]	467
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	17.3
Insertion Loss Margin (dB)	[Pair 3,6]	10.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

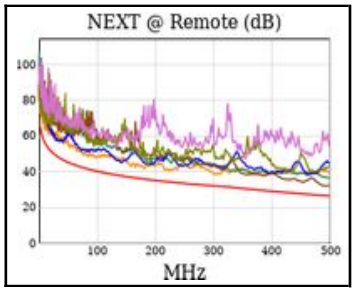


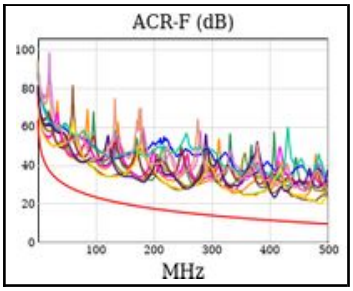
PASS

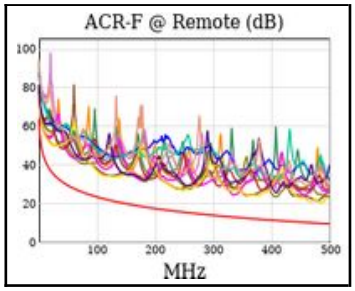


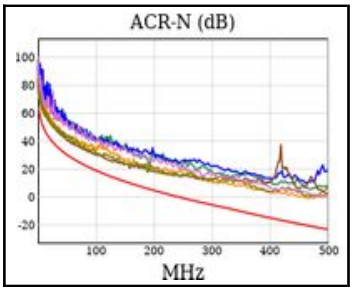


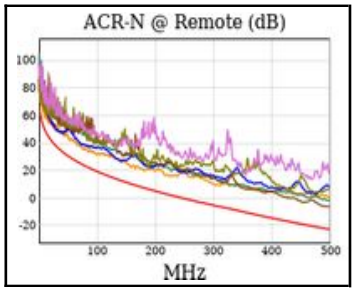


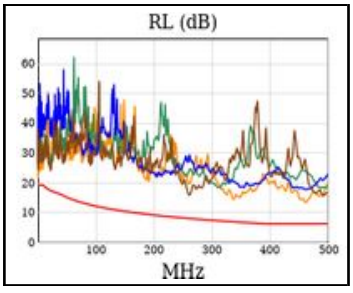


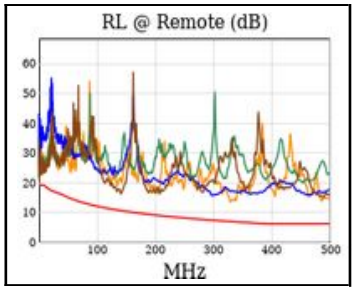












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	3.7	5.4	8.2	5.4
Freq. (MHz)	189.5	495.0	461.0	495.0
Limit (dB)	35.2	26.2	27.1	26.2
Worst Pair	3,6	1,2	3,6	4,5
PS NEXT (dB)	4.1	6.3	8.3	7.0
Freq. (MHz)	189.5	182.0	461.0	495.0
Limit (dB)	32.3	32.6	24.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	10.8	10.3	10.8
Freq. (MHz)	486.0	486.0	486.0	486.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.7	12.4	11.9
Freq. (MHz)	1.4	337.0	486.0	468.0
Limit (dB)	57.5	9.7	6.5	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	8.3	19.4	16.5
Freq. (MHz)	4.1	3.4	466.0	500.0
Limit (dB)	58.6	60.4	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	8.9	20.5	17.5
Freq. (MHz)	3.3	3.4	483.0	496.0
Limit (dB)	58.2	57.9	-24.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.0	3.5	7.1	6.5
Freq. (MHz)	6.1	6.0	462.0	330.0
Limit (dB)	19.0	19.0	6.0	6.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 165-A

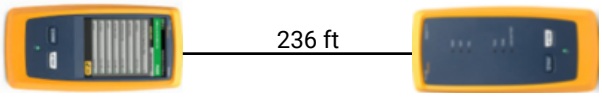
Test Summary: PASS

Date / Time: 12/04/2022 12:24:37 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

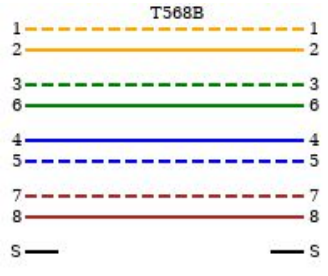
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

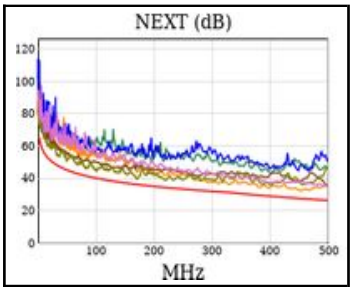
Length (ft), Limit 328	[Pair 1,2]	236
Prop. Delay (ns), Limit 555	[Pair 4,5]	374
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	18.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

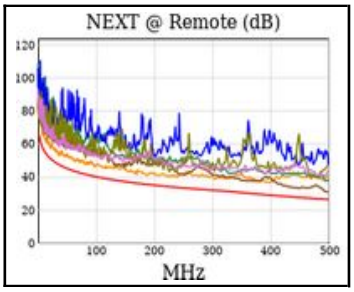


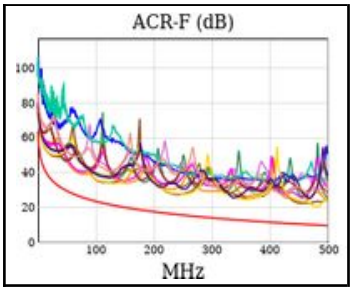
PASS

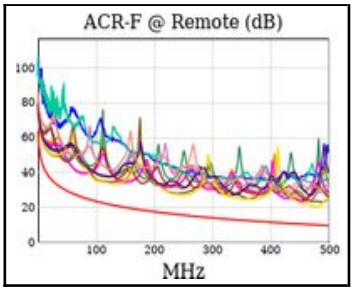


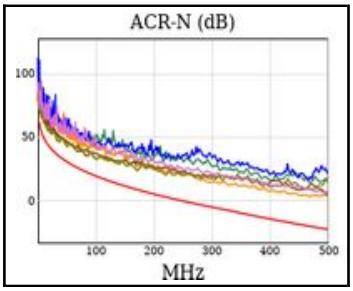


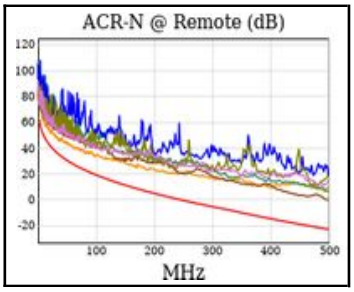


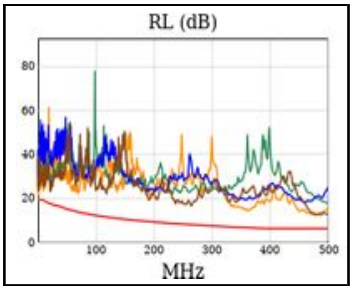


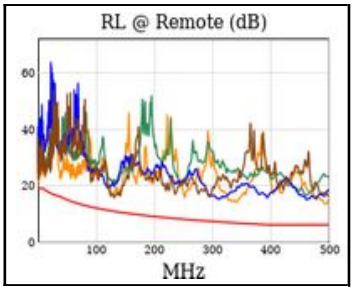












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.1	4.5	4.8	4.5
Freq. (MHz)	171.5	500.0	455.0	500.0
Limit (dB)	35.9	26.1	27.2	26.1
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.2	6.2	5.6	6.2
Freq. (MHz)	171.0	497.0	455.0	497.0
Limit (dB)	33.0	23.3	24.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.1	10.4	10.2
Freq. (MHz)	481.0	479.0	481.0	480.0
Limit (dB)	9.6	9.7	9.6	9.6
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.8	12.2	12.1	12.5
Freq. (MHz)	347.0	462.0	472.0	481.0
Limit (dB)	9.5	7.0	6.8	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	9.6	23.5	22.7
Freq. (MHz)	4.1	8.5	469.0	500.0
Limit (dB)	58.6	51.8	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	10.6	26.7	24.3
Freq. (MHz)	4.0	2.9	500.0	497.0
Limit (dB)	56.4	58.4	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.2	4.5	6.0	7.3
Freq. (MHz)	10.6	10.6	482.0	496.0
Limit (dB)	18.9	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 165-B

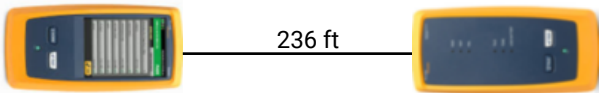
Test Summary: PASS

Date / Time: 12/04/2022 12:27:46 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

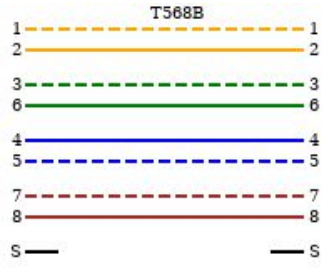
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

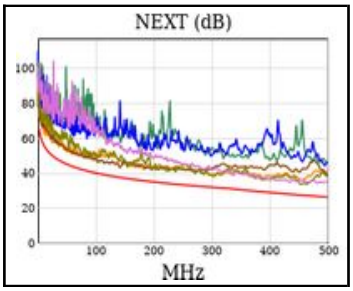
Length (ft), Limit 328	[Pair 1,2]	236
Prop. Delay (ns), Limit 555	[Pair 4,5]	374
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	18.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

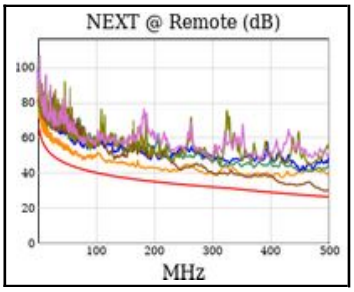


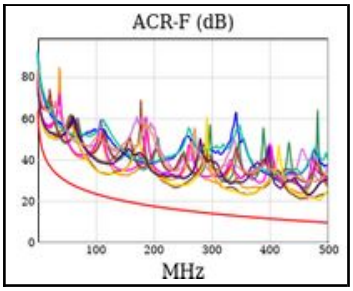
PASS

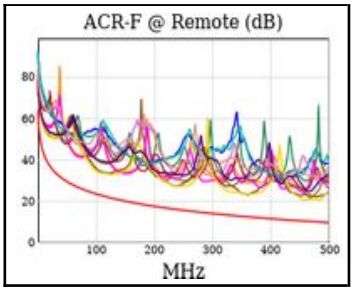


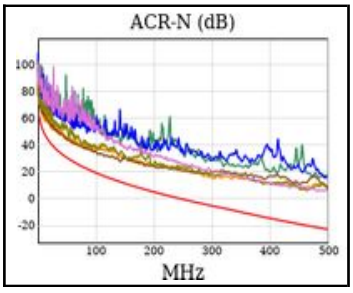


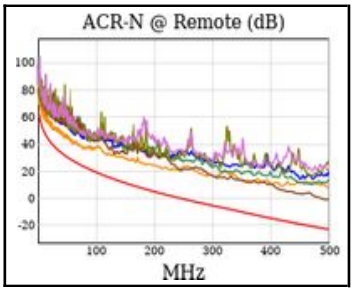


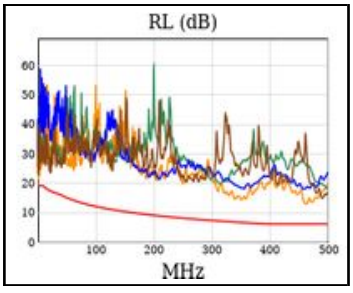


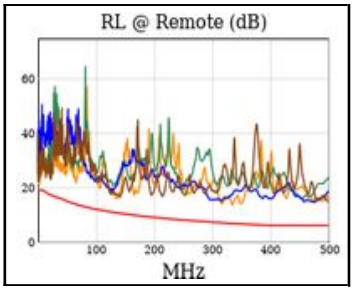












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	3.3	6.1	3.3
Freq. (MHz)	303.0	495.0	453.0	495.0
Limit (dB)	31.7	26.2	27.3	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	5.8	6.6	5.8
Freq. (MHz)	197.5	495.0	453.0	495.0
Limit (dB)	31.9	23.3	24.4	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	10.2	10.8	10.7
Freq. (MHz)	238.0	457.0	486.0	484.0
Limit (dB)	15.7	10.1	9.5	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.4	11.4	11.6
Freq. (MHz)	468.0	240.0	468.0	466.0
Limit (dB)	6.9	12.7	6.9	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	8.1	7.4	27.1	21.8
Freq. (MHz)	3.0	2.9	483.0	498.0
Limit (dB)	61.4	61.4	-21.9	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.2	9.0	28.1	24.0
Freq. (MHz)	4.1	2.9	500.0	498.0
Limit (dB)	56.1	58.4	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	5.9	5.3	6.8	6.9
Freq. (MHz)	22.0	137.5	462.0	335.0
Limit (dB)	17.3	10.6	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 167-A

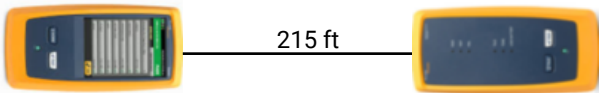
Test Summary: PASS

Date / Time: 12/04/2022 12:29:01 PM
Headroom: 1.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

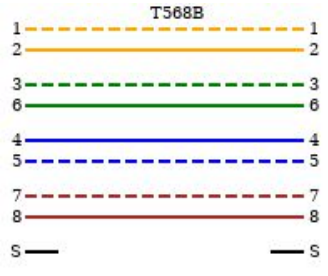
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

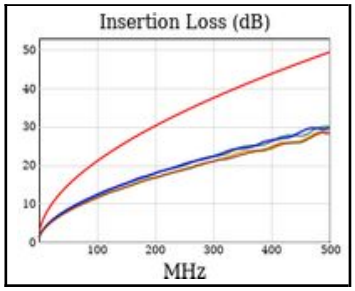
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	215
Prop. Delay (ns), Limit 555	[Pair 4,5]	336
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	19.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

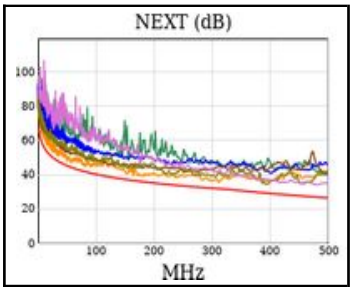


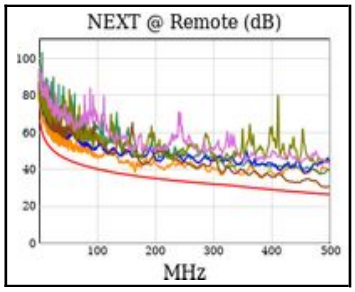
PASS



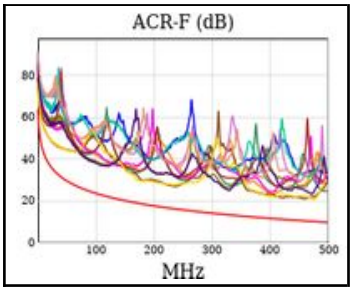


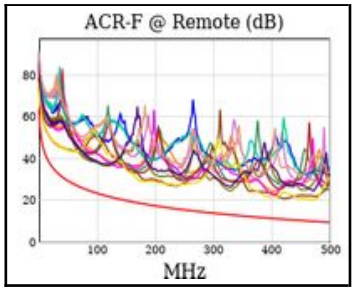
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	2.5	1.3	7.3	3.7
Freq. (MHz)	51.3	166.0	482.0	496.0
Limit (dB)	44.8	36.2	26.5	26.2
Worst Pair	3,6	1,2	7,8	4,5
PS NEXT (dB)	3.5	3.4	6.9	5.9
Freq. (MHz)	51.3	166.0	457.0	496.0
Limit (dB)	42.1	33.3	24.3	23.3



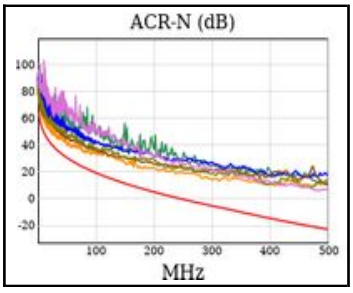


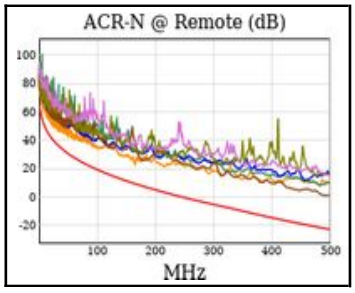
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	9.9	10.6	10.5
Freq. (MHz)	409.0	425.0	477.0	476.0
Limit (dB)	11.0	10.7	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.9	11.8	10.9
Freq. (MHz)	409.0	411.0	476.0	411.0
Limit (dB)	8.0	8.0	6.7	8.0



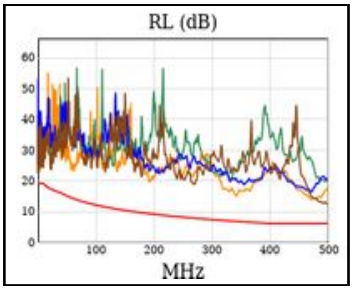


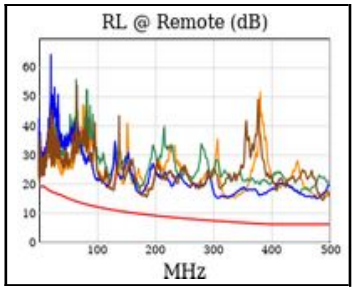
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	6.4	7.6	27.6	23.4
Freq. (MHz)	4.6	4.8	483.0	496.0
Limit (dB)	57.6	57.3	-21.9	-22.9
Worst Pair	3,6	1,2	4,5	3,6
PS ACR-N (dB)	7.4	9.0	29.2	25.1
Freq. (MHz)	4.6	4.6	500.0	496.0
Limit (dB)	55.1	55.1	-26.1	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	5.2	3.8	6.2	8.2
Freq. (MHz)	10.3	10.3	499.0	489.0
Limit (dB)	18.9	18.9	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 165-A-2

Test Summary: PASS

Date / Time: 12/11/2022 04:23:05 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	290
Prop. Delay (ns), Limit 555	[Pair 4,5]	450
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	18.3
Insertion Loss Margin (dB)	[Pair 3,6]	11.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	3.3	7.0	3.7
Freq. (MHz)	225.5	443.0	498.0	473.0
Limit (dB)	33.9	27.5	26.1	26.8
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	6.0	5.1	8.2	5.7
Freq. (MHz)	236.0	391.0	465.0	473.0
Limit (dB)	30.6	26.1	24.1	23.9

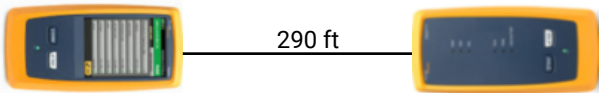
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	9.5	9.3	9.5	10.2
Freq. (MHz)	498.0	319.0	498.0	500.0
Limit (dB)	9.3	13.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.3	10.6	11.2
Freq. (MHz)	1.4	7.3	470.0	465.0
Limit (dB)	57.5	43.1	6.8	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.0	11.2	19.1	14.8
Freq. (MHz)	18.9	3.3	498.0	474.0
Limit (dB)	43.2	60.7	-23.1	-21.2
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-N (dB)	10.7	11.2	20.0	17.5
Freq. (MHz)	3.3	3.3	497.0	494.0
Limit (dB)	58.2	58.2	-25.8	-25.6

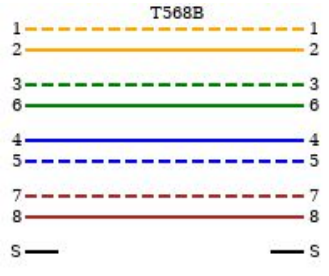
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	3.2	3.4	4.9	5.1
Freq. (MHz)	7.5	3.8	490.0	496.0
Limit (dB)	19.0	19.0	6.0	6.0

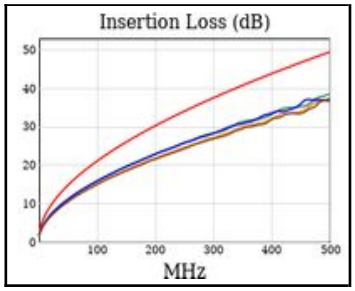
Compliant Network Standards:

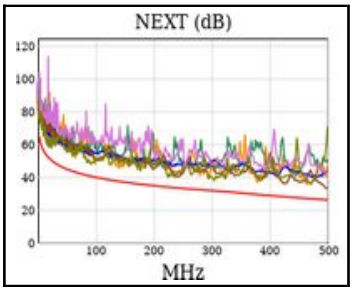
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

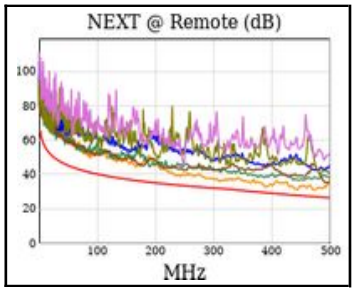


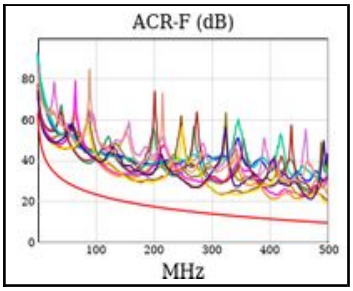
PASS

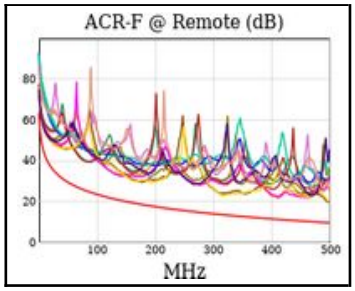


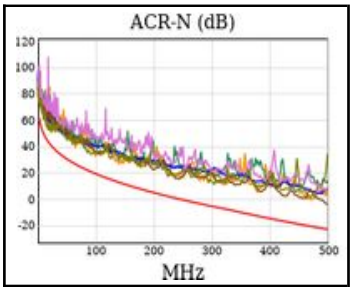


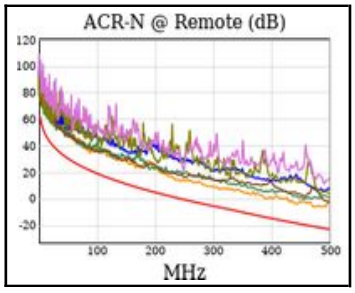


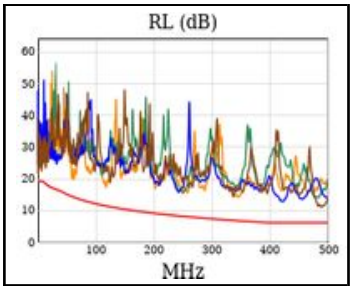


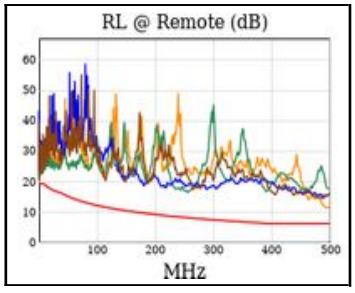












FLUKE networks

LinkWare Live

Cable ID: 165-B-2

Test Summary: PASS

Date / Time: 12/11/2022 04:29:59 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	290
Prop. Delay (ns), Limit 555	[Pair 4,5]	452
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	20.2
Insertion Loss Margin (dB)	[Pair 3,6]	10.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	8.0	2.5	9.1	4.9
Freq. (MHz)	256.0	243.5	500.0	473.0
Limit (dB)	32.9	33.3	26.1	26.8
Worst Pair	7,8	3,6	4,5	1,2
PS NEXT (dB)	9.2	4.4	10.8	7.4
Freq. (MHz)	256.0	243.0	500.0	473.0
Limit (dB)	30.0	30.4	23.2	23.9

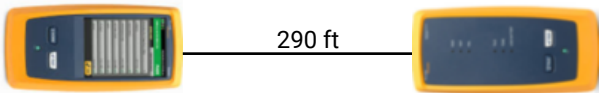
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.2	10.5	11.3	10.7
Freq. (MHz)	3.9	330.0	500.0	498.0
Limit (dB)	51.5	12.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.9	9.8	11.7	11.6
Freq. (MHz)	1.4	3.9	500.0	498.0
Limit (dB)	57.5	48.5	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.2	7.5	21.1	15.8
Freq. (MHz)	10.4	6.9	500.0	473.0
Limit (dB)	49.7	53.8	-23.2	-21.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	9.3	22.3	18.9
Freq. (MHz)	3.3	3.3	496.0	500.0
Limit (dB)	58.2	58.2	-25.8	-26.1

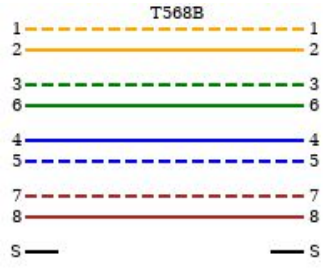
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.7	2.4	7.0	5.8
Freq. (MHz)	19.1	3.8	497.0	495.0
Limit (dB)	17.6	19.0	6.0	6.0

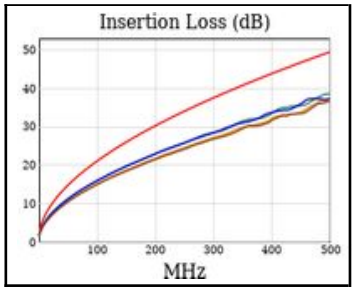
Compliant Network Standards:

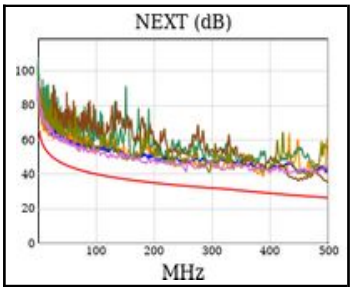
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

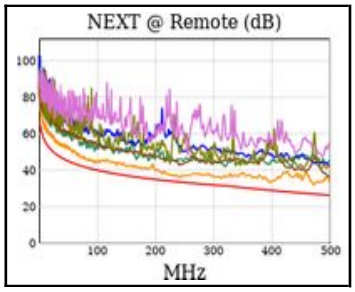


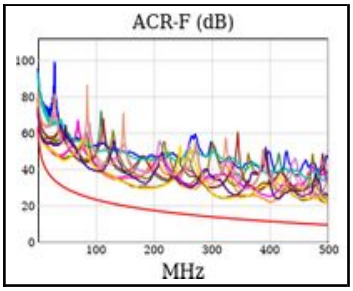
PASS

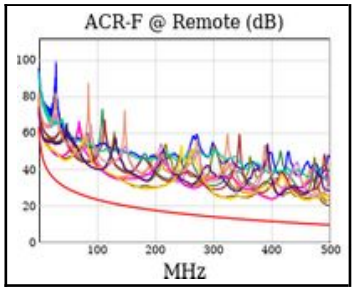


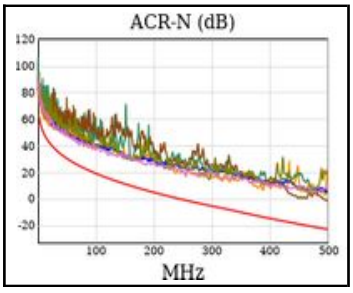


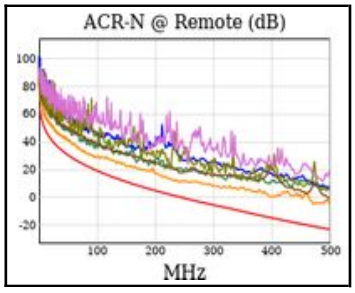


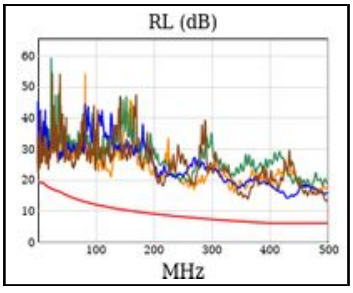


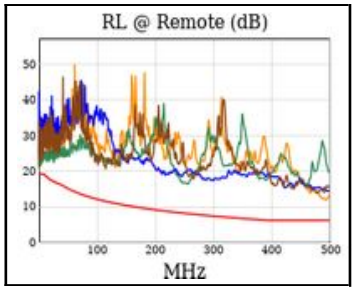












FLUKE networks

LinkWare Live

Cable ID: 166-A-2

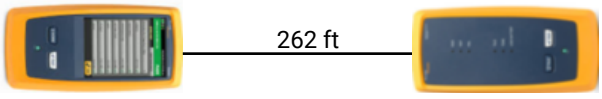
Test Summary: PASS

Date / Time: 12/11/2022 04:33:01 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

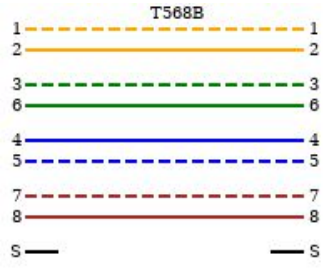
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

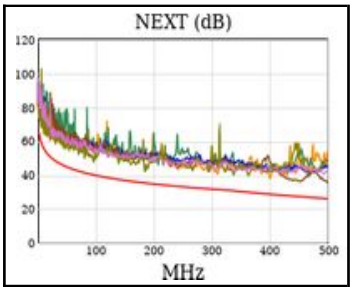
Length (ft), Limit 328	[Pair 7,8]	262
Prop. Delay (ns), Limit 555	[Pair 4,5]	408
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	19.5
Insertion Loss Margin (dB)	[Pair 3,6]	14.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

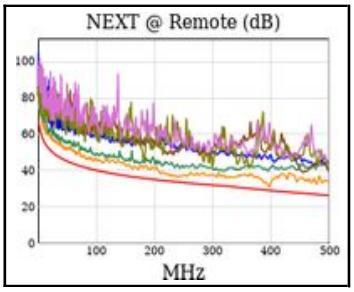


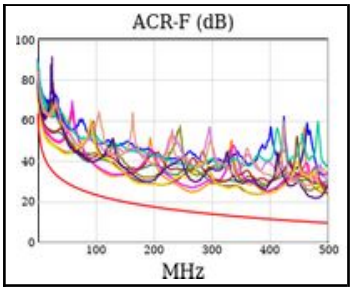
PASS

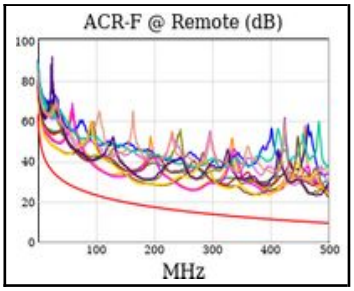


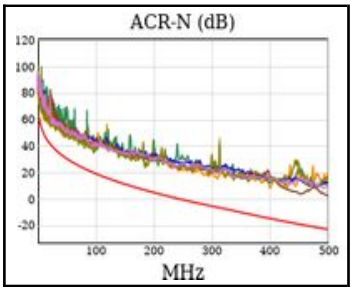


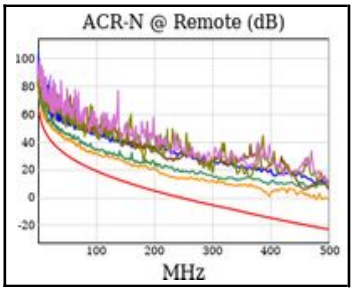


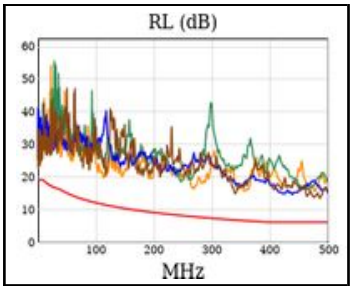


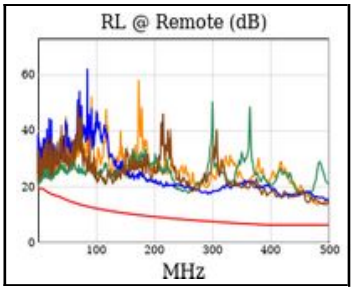












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.7	1.9	9.2	1.9
Freq. (MHz)	185.5	398.0	500.0	398.0
Limit (dB)	35.3	28.8	26.1	28.8
Worst Pair	3,6	1,2	4,5	1,2
PS NEXT (dB)	8.4	4.3	10.9	4.3
Freq. (MHz)	185.5	398.0	500.0	398.0
Limit (dB)	32.4	25.8	23.2	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	7,8-3,6	4,5-3,6
ACR-F (dB)	9.8	10.1	11.8	13.0
Freq. (MHz)	266.0	173.5	479.0	500.0
Limit (dB)	14.8	18.5	9.7	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.5	12.8	12.9
Freq. (MHz)	173.5	184.0	489.0	500.0
Limit (dB)	15.5	15.0	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.2	8.4	24.8	20.6
Freq. (MHz)	2.6	7.8	500.0	489.0
Limit (dB)	61.6	52.7	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	9.9	26.4	23.4
Freq. (MHz)	3.8	3.8	500.0	500.0
Limit (dB)	57.0	57.0	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	5.7	2.1	7.3	7.1
Freq. (MHz)	7.0	4.3	487.0	482.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 166-B-2

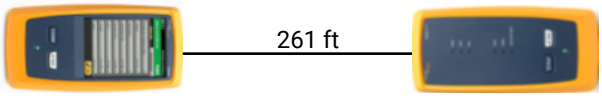
Test Summary: PASS

Date / Time: 12/11/2022 04:34:22 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

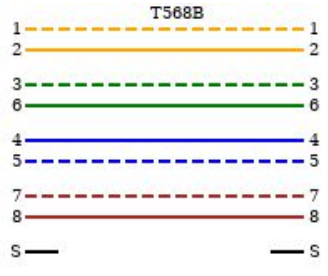
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

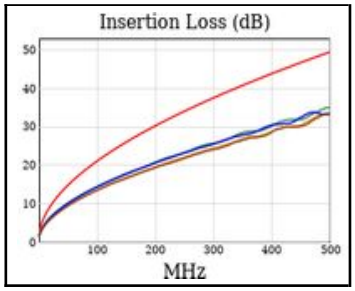
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

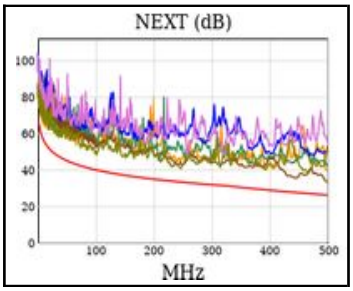
Length (ft), Limit 328	[Pair 7,8]	261
Prop. Delay (ns), Limit 555	[Pair 4,5]	405
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	19.3
Insertion Loss Margin (dB)	[Pair 3,6]	14.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

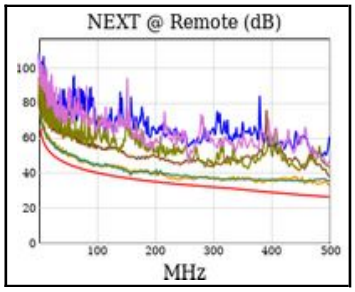


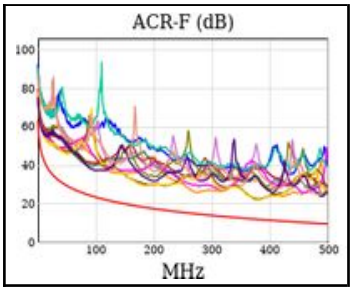
PASS

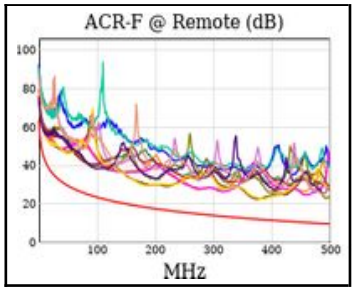


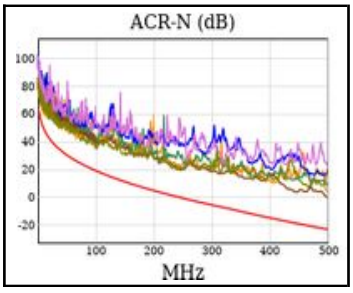


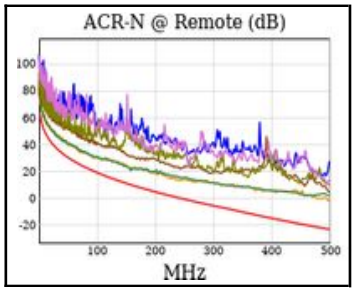


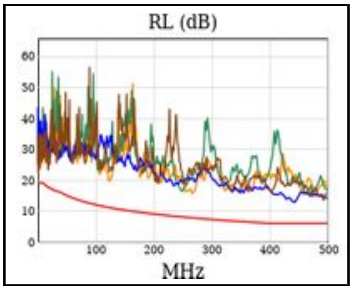


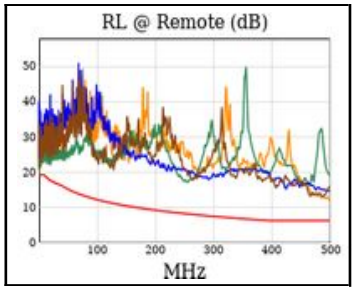












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	7.2	1.9	7.2	6.7
Freq. (MHz)	500.0	158.5	500.0	498.0
Limit (dB)	26.1	36.5	26.1	26.1
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	7.0	2.8	9.0	7.6
Freq. (MHz)	5.0	158.5	499.0	498.0
Limit (dB)	59.0	33.6	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.5	10.6	10.6
Freq. (MHz)	380.0	376.0	384.0	379.0
Limit (dB)	11.7	11.8	11.6	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	12.2	11.6	13.3
Freq. (MHz)	5.8	3.0	407.0	413.0
Limit (dB)	45.1	50.7	8.1	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	7.3	23.1	21.0
Freq. (MHz)	5.3	13.3	500.0	498.0
Limit (dB)	56.4	47.1	-23.2	-23.1
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	8.4	7.6	23.4	22.4
Freq. (MHz)	5.0	7.9	499.0	498.0
Limit (dB)	54.3	50.0	-26.0	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	4,5	1,2
RL (dB)	5.5	2.5	6.7	5.8
Freq. (MHz)	18.8	4.3	443.0	500.0
Limit (dB)	17.6	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 164-1-A

Test Summary: PASS

Date / Time: 12/17/2022 06:49:16 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	165
Prop. Delay (ns), Limit 555	[Pair 4,5]	257
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 7,8]	12.9
Insertion Loss Margin (dB)	[Pair 3,6]	26.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.6	7.1	6.7	7.7
Freq. (MHz)	123.5	454.0	462.0	500.0
Limit (dB)	38.4	27.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.8	7.7	7.7	8.9
Freq. (MHz)	166.0	6.0	462.0	500.0
Limit (dB)	33.3	57.7	24.1	23.2

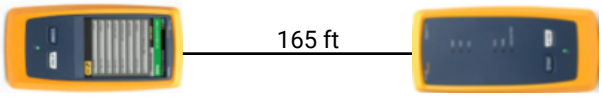
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	9.9	12.7	12.0
Freq. (MHz)	259.0	302.0	500.0	500.0
Limit (dB)	15.0	13.7	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.3	14.0	13.5
Freq. (MHz)	11.1	4.3	499.0	500.0
Limit (dB)	39.3	47.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	10.3	35.1	35.4
Freq. (MHz)	3.8	3.9	492.0	500.0
Limit (dB)	59.5	59.2	-22.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	10.6	34.1	36.1
Freq. (MHz)	3.8	6.0	462.0	500.0
Limit (dB)	57.0	52.6	-23.1	-26.1

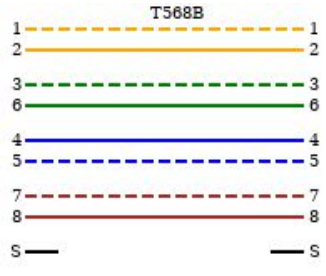
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.1	3.4	6.5	6.9
Freq. (MHz)	47.0	11.5	418.0	348.0
Limit (dB)	15.3	18.7	6.0	6.6

Compliant Network Standards:

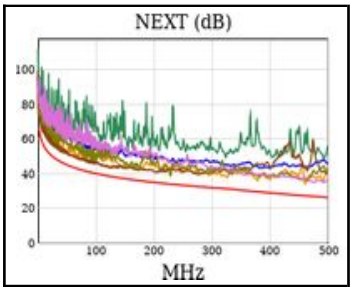
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

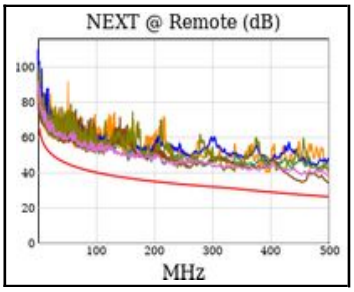


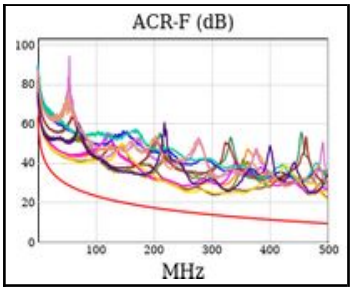
PASS

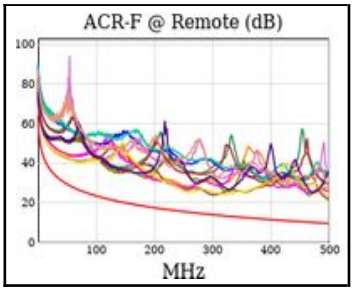


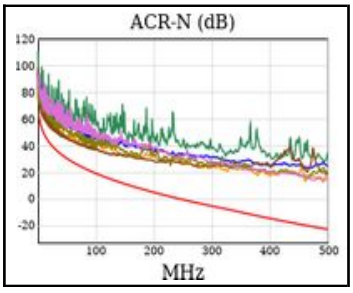


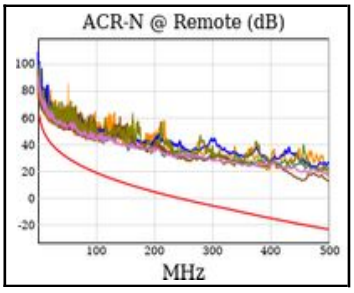


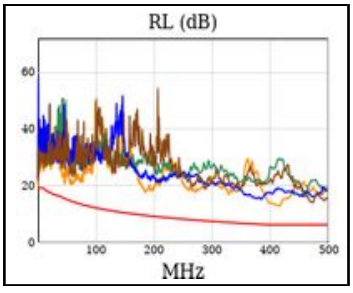


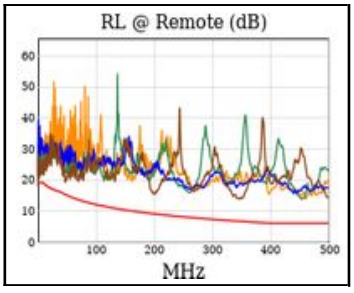












FLUKE networks

LinkWare Live

Cable ID: 164-1-B

Test Summary: PASS

Date / Time: 12/17/2022 06:48:39 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	253
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.6	7.9	7.2	7.9
Freq. (MHz)	292.0	500.0	457.0	500.0
Limit (dB)	31.9	26.1	27.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.2	7.1	3.2	9.3
Freq. (MHz)	292.0	19.3	292.0	499.0
Limit (dB)	29.0	49.2	29.0	23.3

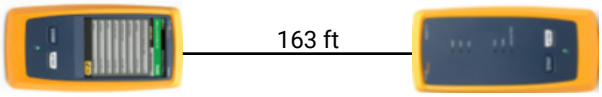
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	7,8-3,6
ACR-F (dB)	10.6	10.5	12.4	12.6
Freq. (MHz)	311.0	309.0	484.0	468.0
Limit (dB)	13.4	13.5	9.6	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.9	13.2	12.4
Freq. (MHz)	9.1	8.5	484.0	468.0
Limit (dB)	41.1	41.7	6.6	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.1	10.4	36.6	36.0
Freq. (MHz)	4.0	4.0	493.0	500.0
Limit (dB)	58.9	58.9	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	10.3	35.9	36.5
Freq. (MHz)	3.9	4.0	470.0	499.0
Limit (dB)	56.7	56.4	-23.7	-26.0

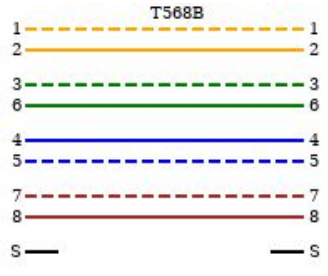
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.1	3.4	6.2	7.9
Freq. (MHz)	56.5	54.5	413.0	409.0
Limit (dB)	14.5	14.6	6.0	6.0

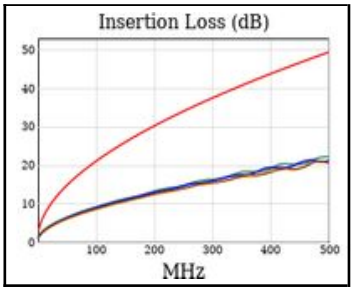
Compliant Network Standards:

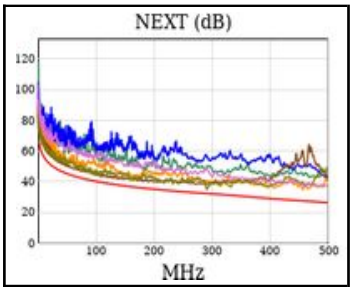
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

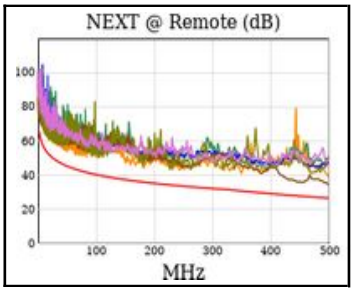


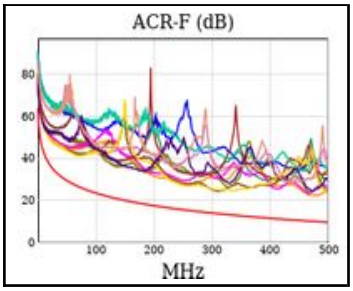
PASS

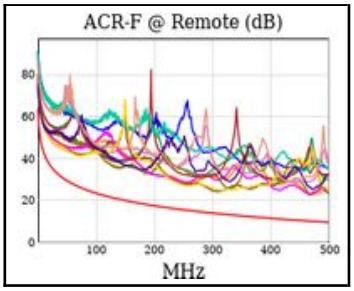


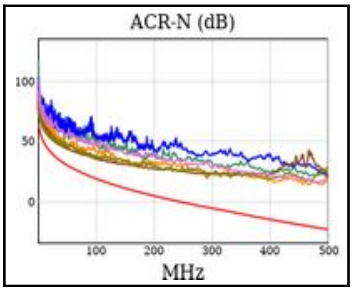


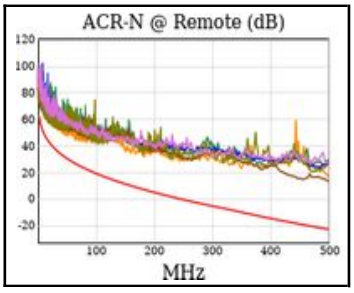


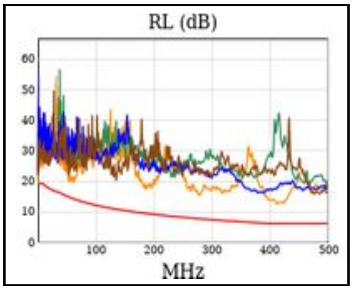


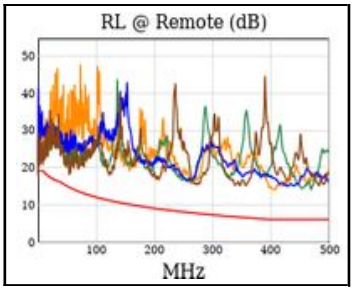












FLUKE networks

LinkWare Live

Cable ID: 164-2-A

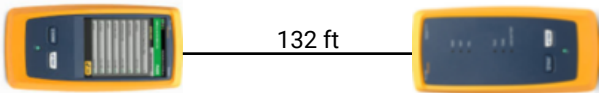
Test Summary: PASS

Date / Time: 12/17/2022 06:54:58 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

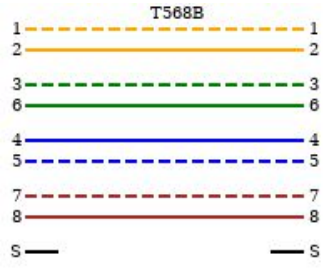
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

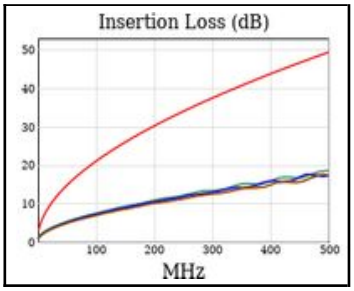
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	30.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

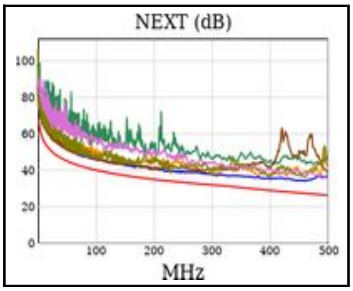


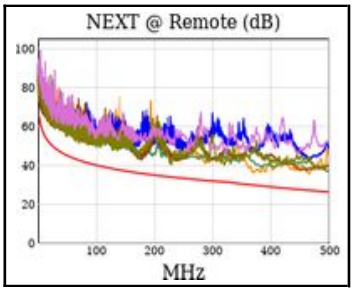
PASS



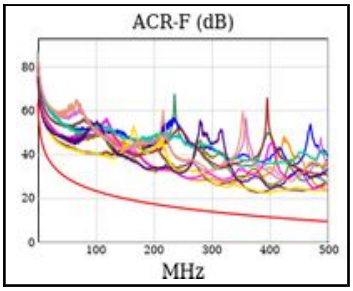


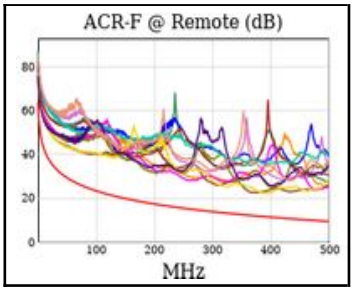
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-7,8	1,2-3,6
NEXT (dB)	4.4	6.2	6.6	8.4
Freq. (MHz)	230.0	230.0	461.0	467.0
Limit (dB)	33.7	33.7	27.1	26.9
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	4.5	6.4	6.8	8.9
Freq. (MHz)	230.0	174.5	463.0	466.0
Limit (dB)	30.8	32.9	24.1	24.0



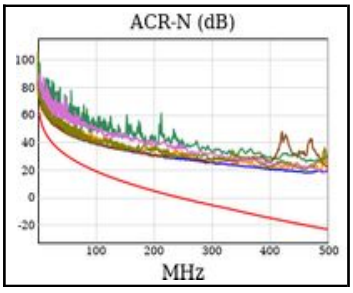


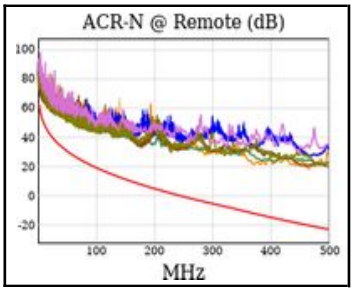
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.7	10.5	10.8	10.6
Freq. (MHz)	380.0	369.0	397.0	395.0
Limit (dB)	11.7	11.9	11.3	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	12.1	11.6	13.9
Freq. (MHz)	8.9	3.1	403.0	481.0
Limit (dB)	41.3	50.4	8.2	6.6



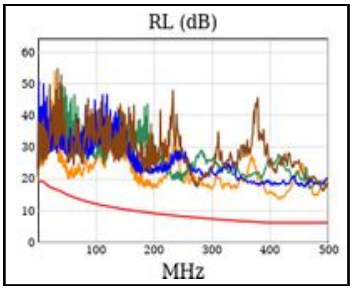


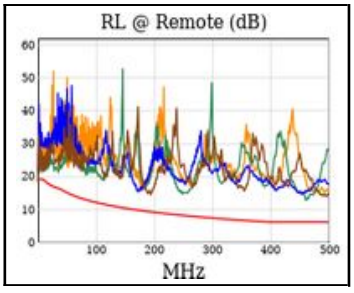
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	1,2-3,6
ACR-N (dB)	9.3	10.0	40.1	38.5
Freq. (MHz)	4.8	2.6	492.0	467.0
Limit (dB)	57.3	61.6	-22.6	-20.6
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	8.8	10.2	37.9	40.3
Freq. (MHz)	5.0	5.1	463.0	494.0
Limit (dB)	54.3	54.1	-23.2	-25.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	5.1	4.1	7.3	6.5
Freq. (MHz)	52.5	16.1	416.0	461.0
Limit (dB)	14.8	18.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 164-2-B

Test Summary: PASS

Date / Time: 12/17/2022 06:56:00 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	130
Prop. Delay (ns), Limit 555	[Pair 4,5]	203
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	30.7
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	3.5	6.3	8.1	7.6
Freq. (MHz)	288.0	137.5	497.0	414.0
Limit (dB)	32.1	37.6	26.2	28.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.7	5.8	7.8	10.1
Freq. (MHz)	291.0	5.1	458.0	461.0
Limit (dB)	29.0	58.8	24.2	24.2

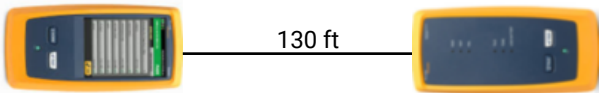
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.1	10.8	10.1
Freq. (MHz)	389.0	371.0	412.0	387.0
Limit (dB)	11.5	11.9	11.0	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	11.5	11.8
Freq. (MHz)	397.0	365.0	413.0	400.0
Limit (dB)	8.3	9.0	7.9	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-7,8
ACR-N (dB)	9.4	10.0	38.9	41.4
Freq. (MHz)	5.1	3.0	497.0	475.0
Limit (dB)	56.6	61.4	-23.0	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	8.7	39.9	41.7
Freq. (MHz)	5.1	5.1	497.0	481.0
Limit (dB)	54.1	54.1	-25.8	-24.6

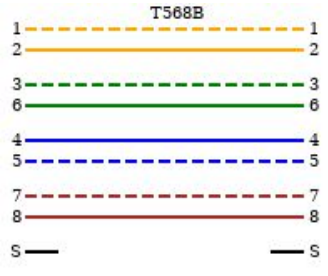
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	5.0	2.7	7.1	5.9
Freq. (MHz)	63.8	16.4	424.0	469.0
Limit (dB)	14.0	17.9	6.0	6.0

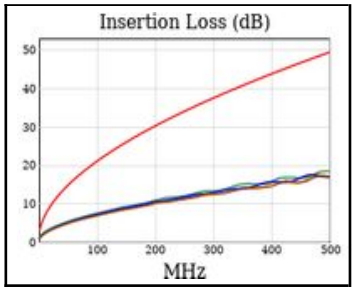
Compliant Network Standards:

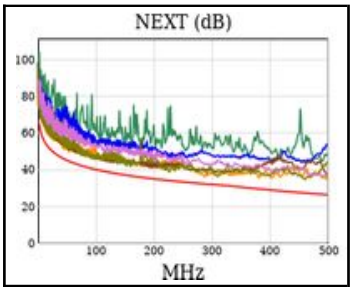
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

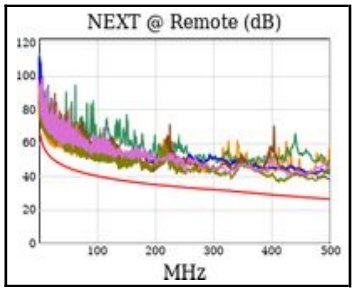


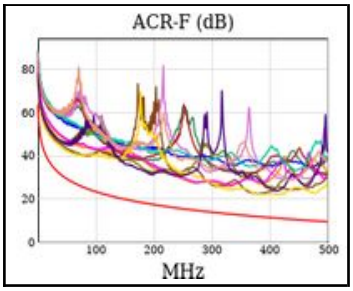
PASS

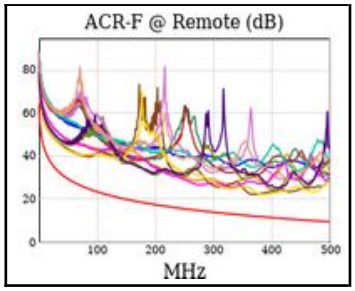


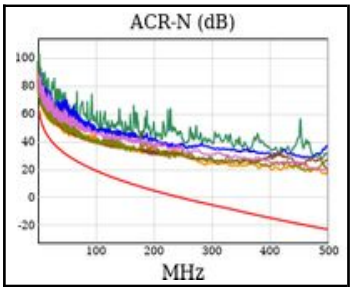


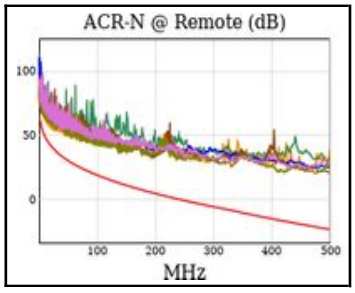


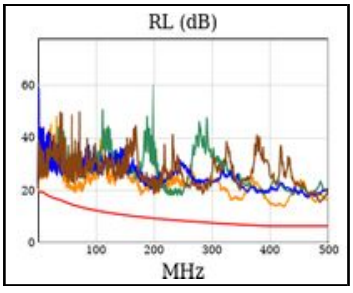


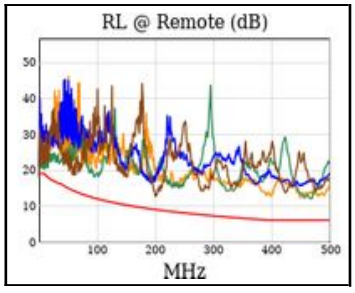












FLUKE networks

LinkWare Live

Cable ID: 165-A

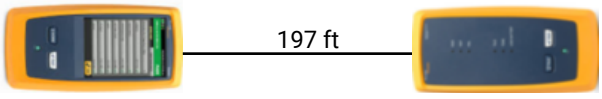
Test Summary: PASS

Date / Time: 12/17/2022 06:40:40 PM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

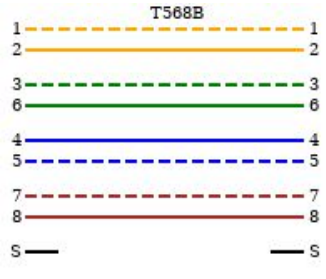
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

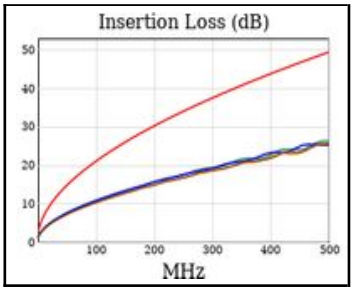
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

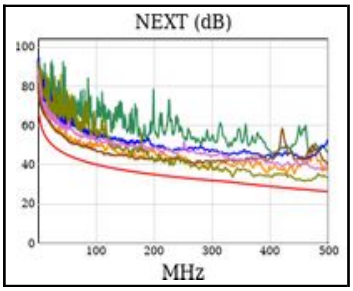
Length (ft), Limit 328	[Pair 7,8]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	306
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

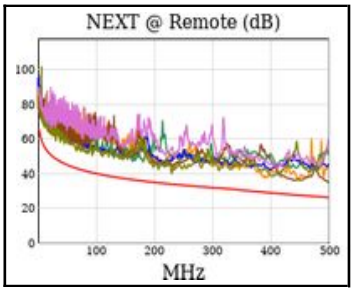


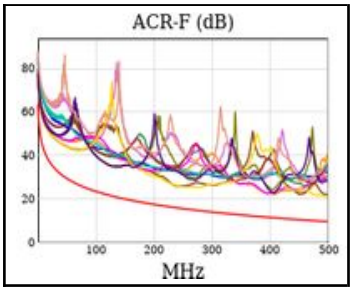
PASS

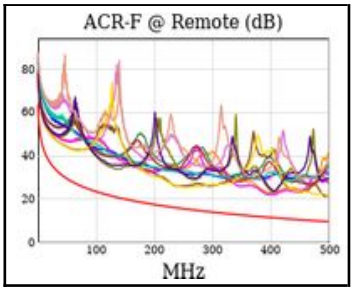


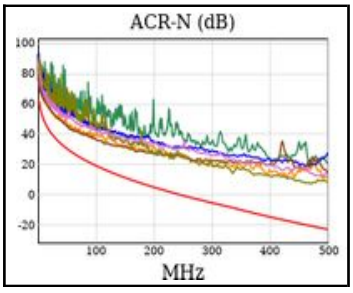


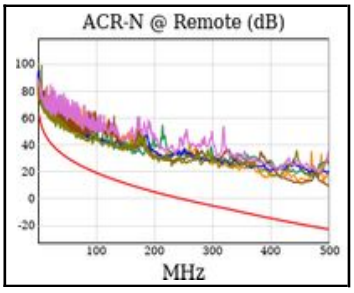


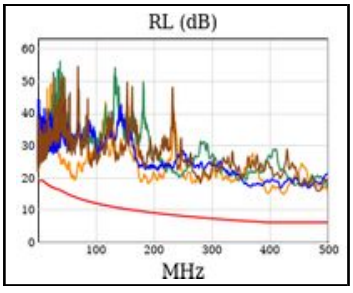


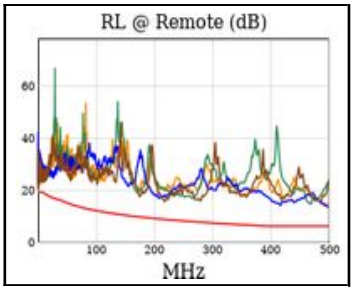












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	2.7	6.0	4.4	8.4
Freq. (MHz)	336.0	231.0	463.0	500.0
Limit (dB)	30.8	33.7	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	7.3	5.8	8.9
Freq. (MHz)	338.0	231.0	443.0	450.0
Limit (dB)	27.7	30.8	24.6	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.9	10.9	11.5
Freq. (MHz)	245.0	253.0	500.0	500.0
Limit (dB)	15.5	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	11.1	11.2
Freq. (MHz)	409.0	407.0	409.0	407.0
Limit (dB)	8.0	8.1	8.0	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	9.1	11.1	27.9	32.1
Freq. (MHz)	3.1	3.3	471.0	500.0
Limit (dB)	61.1	60.7	-20.9	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	11.0	31.3	33.3
Freq. (MHz)	3.1	3.3	500.0	492.0
Limit (dB)	58.3	58.2	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	5.2	4.1	8.6	7.4
Freq. (MHz)	65.3	11.3	424.0	499.0
Limit (dB)	13.9	18.7	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 165-B

Test Summary: PASS

Date / Time: 12/17/2022 06:40:01 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	196
Prop. Delay (ns), Limit 555	[Pair 4,5]	304
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.7
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	4.0	8.2	5.6	8.7
Freq. (MHz)	299.0	16.0	431.0	445.0
Limit (dB)	31.8	53.2	27.9	27.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.0	7.4	7.7	9.8
Freq. (MHz)	299.0	3.5	431.0	445.0
Limit (dB)	28.8	61.5	24.9	24.6

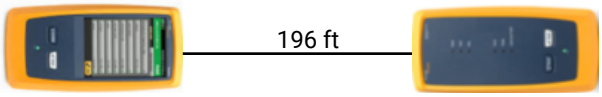
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.4	11.2	11.9	11.4
Freq. (MHz)	407.0	407.0	500.0	499.0
Limit (dB)	11.1	11.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	11.3	12.8	13.0
Freq. (MHz)	261.0	407.0	462.0	499.0
Limit (dB)	11.9	8.1	7.0	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	10.7	31.8	34.2
Freq. (MHz)	3.3	3.3	492.0	500.0
Limit (dB)	60.7	60.7	-22.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	9.3	33.3	35.4
Freq. (MHz)	3.3	3.5	492.0	497.0
Limit (dB)	58.2	57.6	-25.5	-25.8

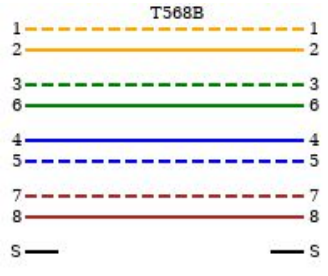
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.2	3.8	8.3	6.6
Freq. (MHz)	11.1	11.1	417.0	360.0
Limit (dB)	18.8	18.8	6.0	6.4

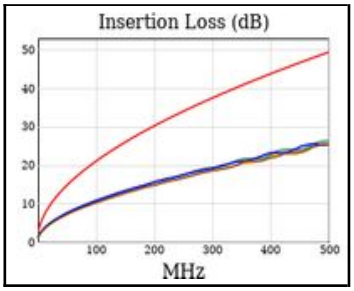
Compliant Network Standards:

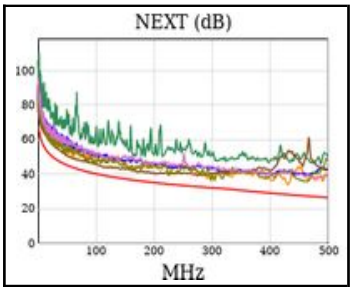
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

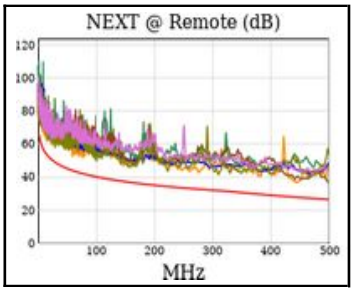


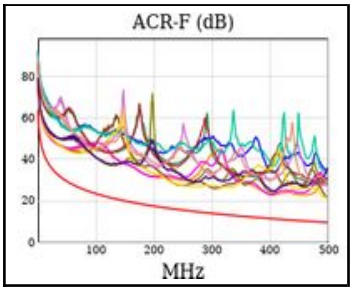
PASS

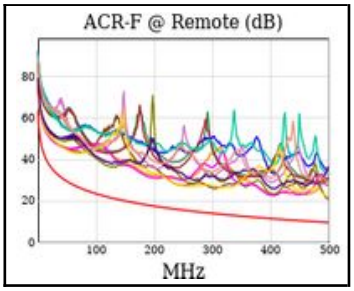


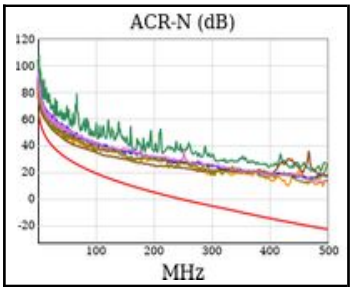


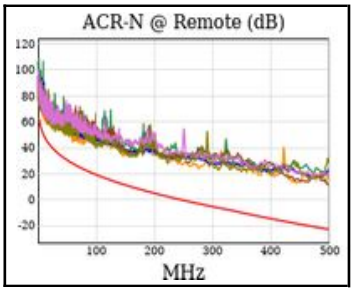


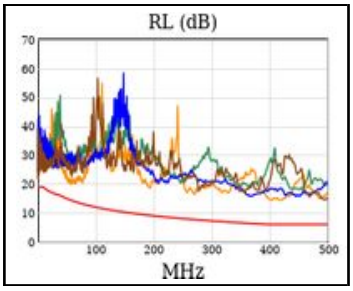


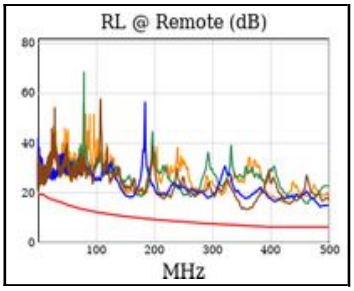












FLUKE networks

LinkWare Live

Cable ID: 166-A-2

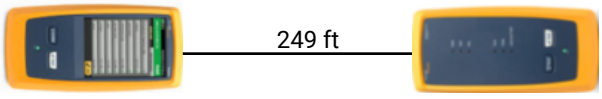
Test Summary: PASS

Date / Time: 12/17/2022 06:28:29 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

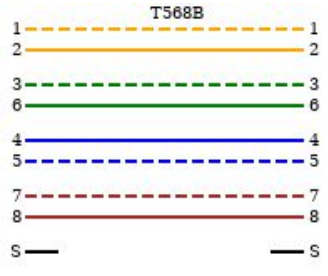
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	249
Prop. Delay (ns), Limit 555	[Pair 4,5]	387
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	19.0
Insertion Loss Margin (dB)	[Pair 3,6]	15.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

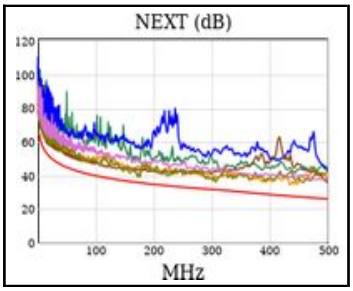


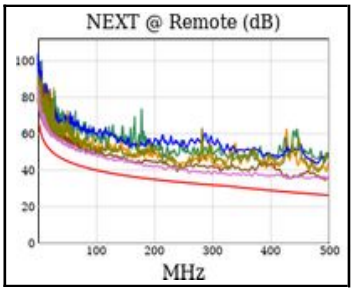
PASS



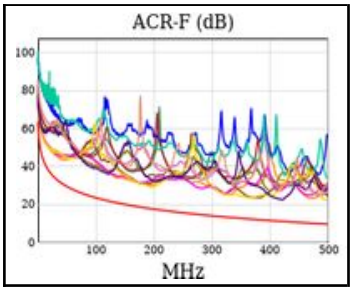


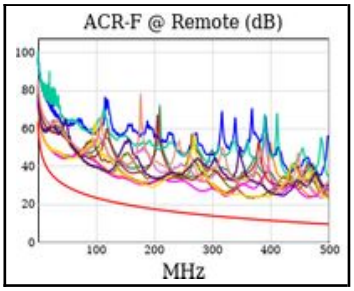
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	5.6	6.6	8.3
Freq. (MHz)	176.5	241.0	435.0	495.0
Limit (dB)	35.7	33.4	27.7	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.0	5.9	9.2	8.6
Freq. (MHz)	176.5	241.0	500.0	496.0
Limit (dB)	32.8	30.4	23.2	23.3



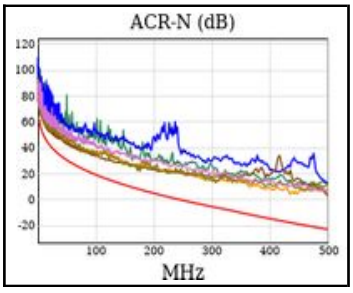


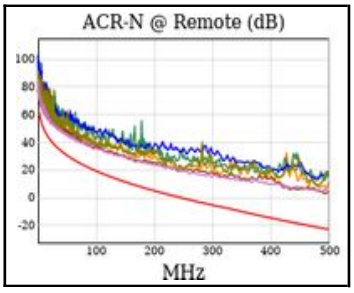
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	10.9	12.3	13.4
Freq. (MHz)	2.6	3.1	500.0	500.0
Limit (dB)	54.9	53.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.3	12.9	13.5
Freq. (MHz)	5.9	1.9	500.0	500.0
Limit (dB)	44.9	54.8	6.3	6.3



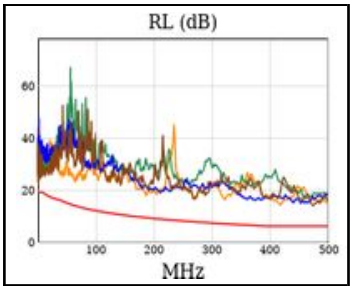


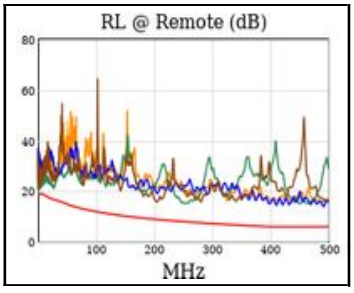
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.7	9.1	25.4	25.3
Freq. (MHz)	3.8	4.0	500.0	495.0
Limit (dB)	59.5	58.9	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.2	8.2	25.1	25.6
Freq. (MHz)	5.3	5.3	500.0	496.0
Limit (dB)	53.9	53.9	-26.1	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	4,5
RL (dB)	5.5	2.0	7.9	7.9
Freq. (MHz)	6.0	4.4	475.0	491.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 166-B-2

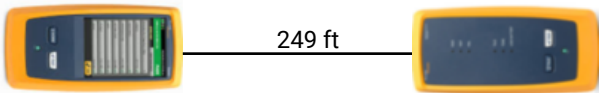
Test Summary: PASS

Date / Time: 12/17/2022 06:29:08 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

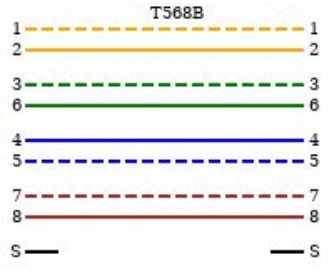
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	249
Prop. Delay (ns), Limit 555	[Pair 4,5]	386
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	16.6
Insertion Loss Margin (dB)	[Pair 3,6]	16.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

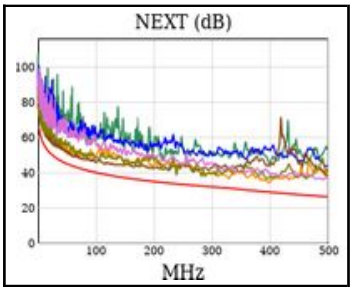


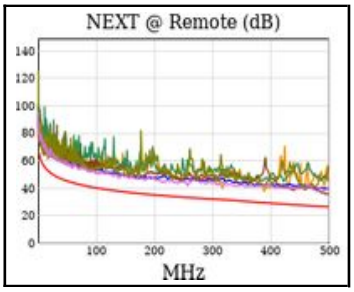
PASS



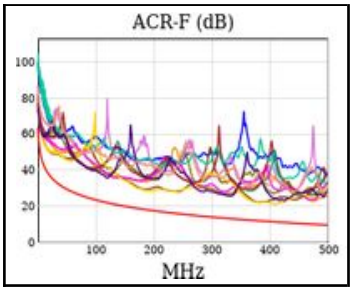


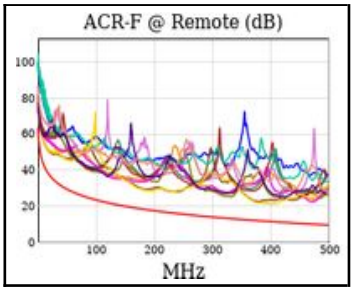
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	5.1	7.2	5.1	9.0
Freq. (MHz)	399.0	9.6	399.0	496.0
Limit (dB)	28.8	56.8	28.8	26.2
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.7	7.1	6.0	10.1
Freq. (MHz)	12.3	12.3	399.0	496.0
Limit (dB)	52.5	52.5	25.8	23.3



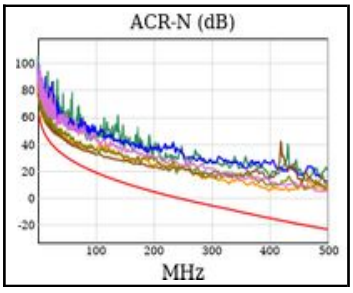


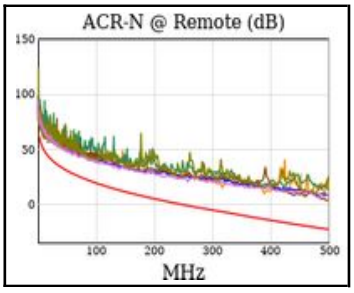
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	9.7	9.9	9.7
Freq. (MHz)	406.0	402.0	412.0	402.0
Limit (dB)	11.1	11.2	11.0	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.8	11.0	12.2
Freq. (MHz)	417.0	183.0	417.0	408.0
Limit (dB)	7.9	15.0	7.9	8.0



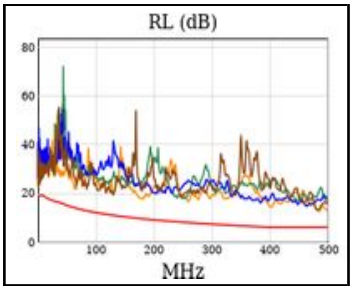


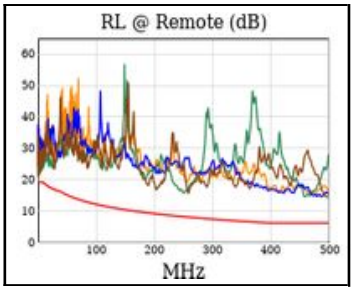
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	8.2	9.7	27.2	26.3
Freq. (MHz)	5.1	2.6	490.0	497.0
Limit (dB)	56.6	61.6	-22.4	-23.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	6.8	8.6	27.3	27.3
Freq. (MHz)	5.3	3.9	500.0	496.0
Limit (dB)	53.9	56.7	-26.1	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	6.3	3.5	6.4	8.3
Freq. (MHz)	6.0	5.8	486.0	460.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 165-A

Test Summary: PASS

Date / Time: 12/17/2022 11:48:30 AM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	108
Prop. Delay (ns), Limit 555	[Pair 4,5]	171
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	33.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	4.8	7.1	8.7	9.6
Freq. (MHz)	220.5	3.1	455.0	500.0
Limit (dB)	34.1	64.8	27.2	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.8	7.2	9.0	10.0
Freq. (MHz)	73.5	3.3	461.0	500.0
Limit (dB)	39.4	62.0	24.2	23.2

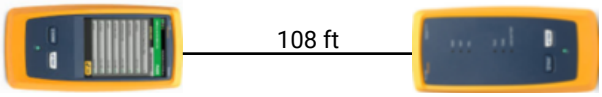
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.1	10.5	10.8	10.7
Freq. (MHz)	351.0	311.0	481.0	475.0
Limit (dB)	12.4	13.4	9.6	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.4	12.2	13.0
Freq. (MHz)	339.0	314.0	480.0	468.0
Limit (dB)	9.7	10.3	6.6	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.4	9.8	45.1	44.3
Freq. (MHz)	3.0	3.1	498.0	500.0
Limit (dB)	61.4	61.1	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.7	9.7	42.2	44.7
Freq. (MHz)	3.1	3.3	465.0	500.0
Limit (dB)	58.3	58.2	-23.3	-26.1

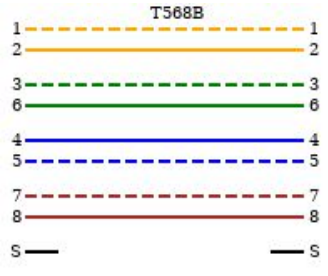
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.3	4.8	6.4	7.7
Freq. (MHz)	48.3	22.3	488.0	488.0
Limit (dB)	15.2	17.3	6.0	6.0

Compliant Network Standards:

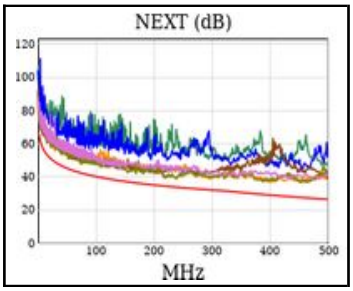
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

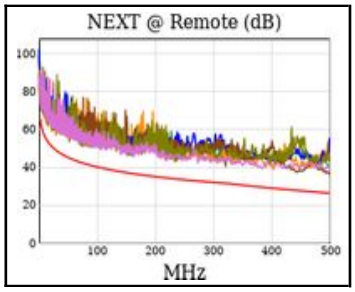


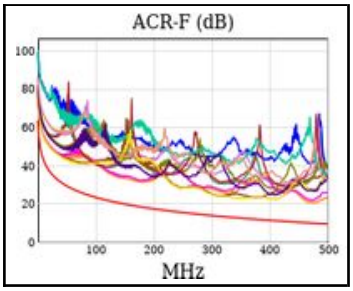
PASS

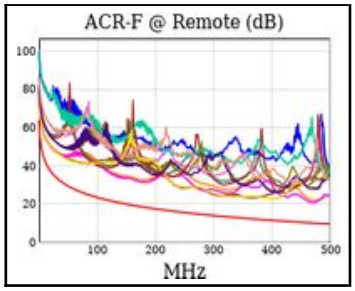


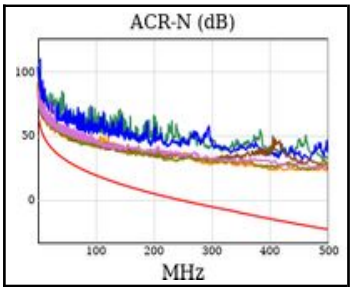


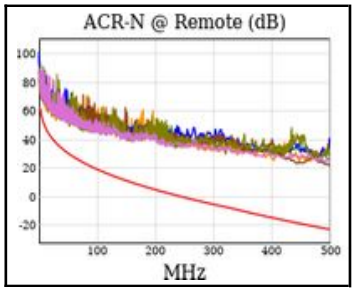


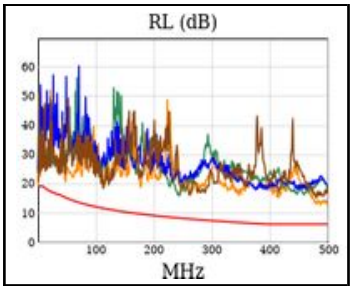


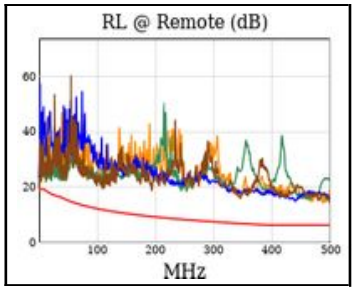












FLUKE networks

LinkWare Live

Cable ID: 165-B

Test Summary: PASS

Date / Time: 12/17/2022 11:45:32 AM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	108
Prop. Delay (ns), Limit 555	[Pair 4,5]	171
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	33.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	7.9	8.1	9.4
Freq. (MHz)	230.5	40.3	461.0	498.0
Limit (dB)	33.7	46.6	27.1	26.1
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.0	6.9	7.8	11.0
Freq. (MHz)	214.0	3.3	458.0	498.0
Limit (dB)	31.3	62.0	24.2	23.3

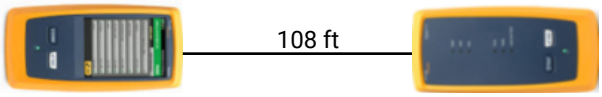
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	10.5	10.8	11.8
Freq. (MHz)	254.0	254.0	500.0	500.0
Limit (dB)	15.2	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	12.1	11.5	12.4
Freq. (MHz)	489.0	242.5	493.0	499.0
Limit (dB)	6.5	12.6	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	9.6	10.4	42.0	43.9
Freq. (MHz)	3.1	3.1	461.0	498.0
Limit (dB)	61.1	61.1	-20.1	-23.1
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	8.6	9.4	43.2	45.4
Freq. (MHz)	3.3	3.3	485.0	498.0
Limit (dB)	58.2	58.2	-24.9	-25.9

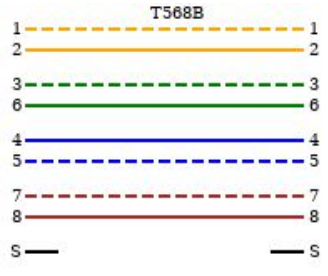
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	6.1	4.4	6.4	7.9
Freq. (MHz)	37.5	22.4	480.0	467.0
Limit (dB)	16.1	17.3	6.0	6.0

Compliant Network Standards:

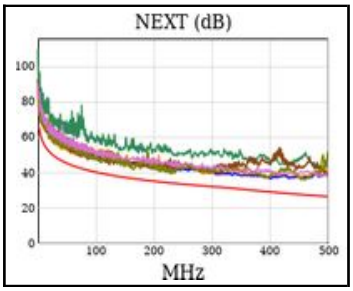
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

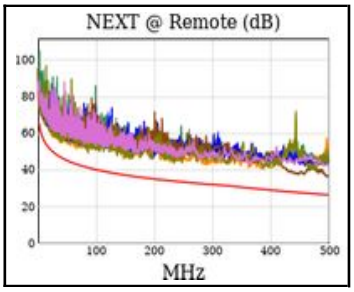


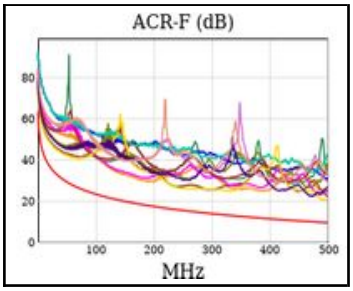
PASS

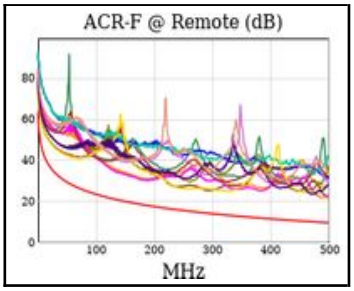


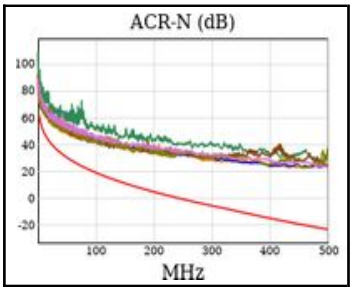


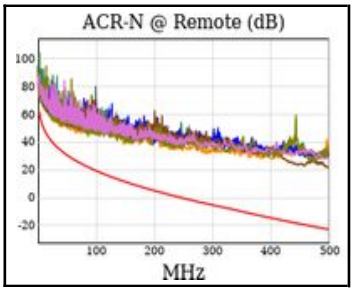


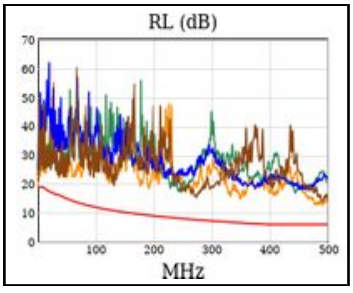


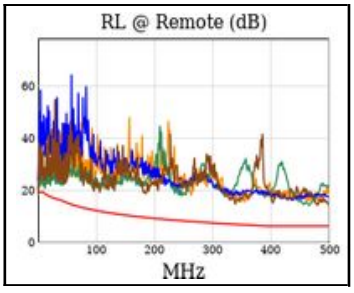












FLUKE networks

LinkWare Live

Cable ID: 167-A

Test Summary: PASS

Date / Time: 12/17/2022 11:50:56 AM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 7,8]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	28.7
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	3.6	4.1	10.1	9.6
Freq. (MHz)	34.3	34.3	494.0	497.0
Limit (dB)	47.8	47.8	26.2	26.2
Worst Pair	3,6	1,2	7,8	4,5
PS NEXT (dB)	3.9	6.0	10.0	10.0
Freq. (MHz)	103.0	34.3	468.0	497.0
Limit (dB)	36.9	45.0	24.0	23.3

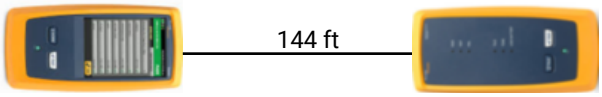
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	9.5	9.3	10.1
Freq. (MHz)	500.0	251.0	500.0	500.0
Limit (dB)	9.3	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.0	11.1	11.4
Freq. (MHz)	1.0	1.0	465.0	500.0
Limit (dB)	60.3	60.3	6.9	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	8.7	9.3	40.3	39.7
Freq. (MHz)	4.3	2.8	494.0	497.0
Limit (dB)	58.3	61.5	-22.7	-23.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.7	8.7	38.9	40.0
Freq. (MHz)	4.6	2.6	459.0	497.0
Limit (dB)	55.1	58.6	-22.8	-25.8

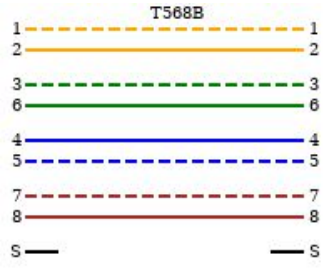
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.3	5.1	6.1	7.4
Freq. (MHz)	50.0	66.8	490.0	499.0
Limit (dB)	15.0	13.8	6.0	6.0

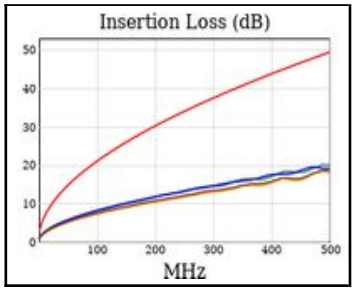
Compliant Network Standards:

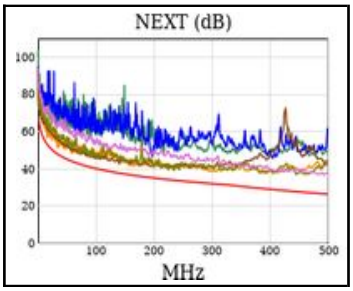
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

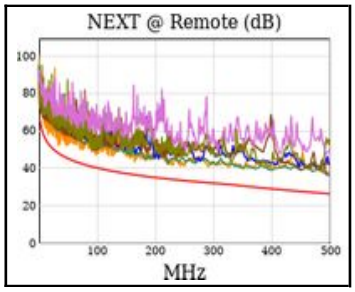


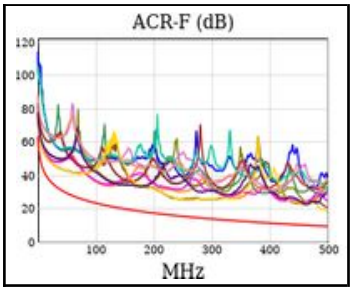
PASS

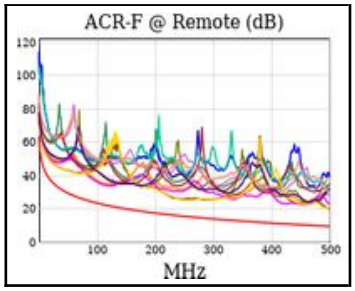


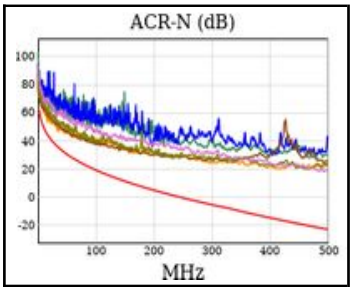


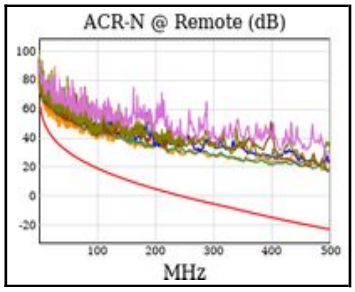


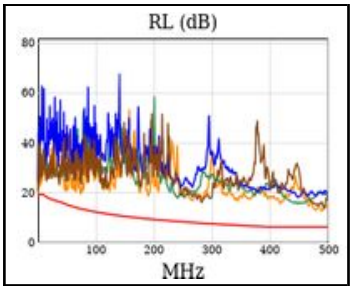


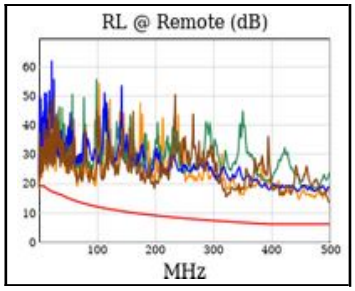












FLUKE networks

LinkWare Live

Cable ID: 167-B

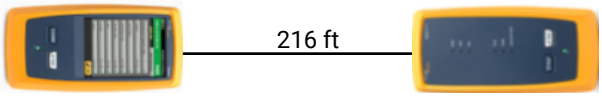
Test Summary: PASS

Date / Time: 12/04/2022 12:30:38 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

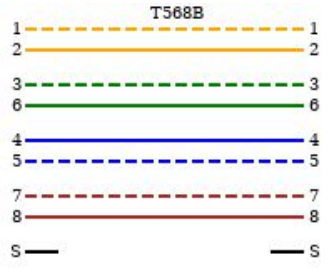
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

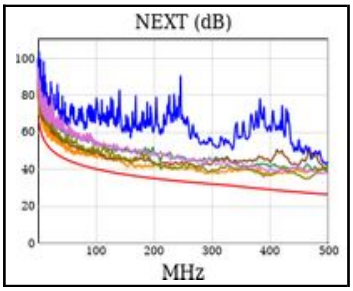
Length (ft), Limit 328	[Pair 1,2]	216
Prop. Delay (ns), Limit 555	[Pair 4,5]	342
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

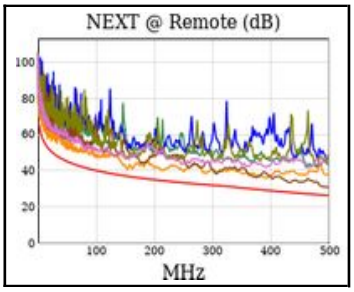


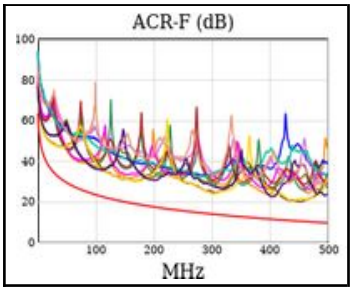
PASS

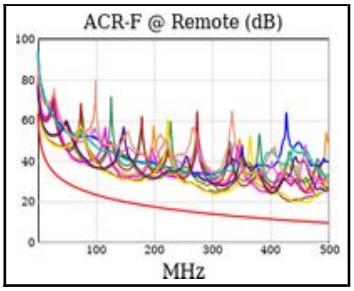


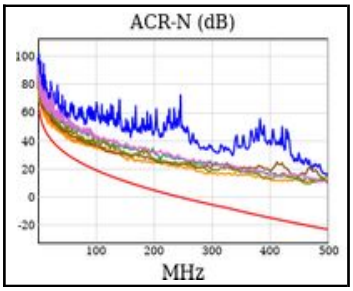


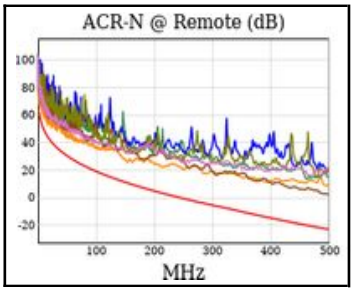


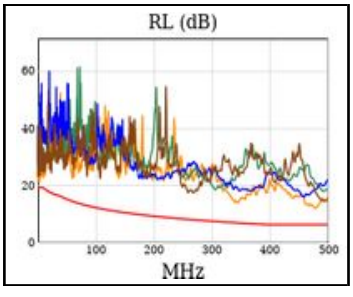


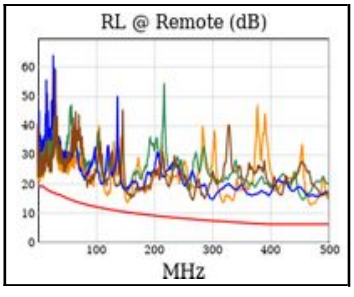












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.1	3.6	7.5	4.3
Freq. (MHz)	49.5	154.0	463.0	500.0
Limit (dB)	45.1	36.7	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.3	5.4	8.5	6.4
Freq. (MHz)	154.5	154.0	463.0	500.0
Limit (dB)	33.8	33.8	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.3	9.7	9.5
Freq. (MHz)	439.0	443.0	454.0	464.0
Limit (dB)	10.4	10.3	10.1	9.9
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.6	11.1	10.7	11.5
Freq. (MHz)	407.0	316.0	408.0	464.0
Limit (dB)	8.1	10.3	8.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	6.2	5.8	29.6	25.1
Freq. (MHz)	3.1	3.1	467.0	500.0
Limit (dB)	61.1	61.1	-20.6	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.1	7.3	31.5	26.8
Freq. (MHz)	3.0	3.1	500.0	500.0
Limit (dB)	58.4	58.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.5	3.0	5.7	6.6
Freq. (MHz)	10.1	10.1	479.0	470.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 168-A

Test Summary: PASS

Date / Time: 12/04/2022 12:31:49 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	177
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	17.4
Insertion Loss Margin (dB)	[Pair 3,6]	24.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	4.7	7.7	4.7
Freq. (MHz)	178.0	500.0	462.0	500.0
Limit (dB)	35.7	26.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.7	6.1	7.7	6.4
Freq. (MHz)	177.5	177.0	462.0	500.0
Limit (dB)	32.8	32.8	24.1	23.2

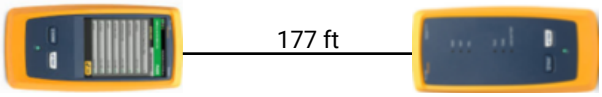
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.0	10.1	10.1
Freq. (MHz)	403.0	398.0	410.0	402.0
Limit (dB)	11.2	11.3	11.0	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	9.7	9.6	11.0
Freq. (MHz)	403.0	6.0	403.0	397.0
Limit (dB)	8.2	44.7	8.2	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.3	9.4	32.8	30.6
Freq. (MHz)	3.4	7.8	466.0	500.0
Limit (dB)	60.4	52.7	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	10.8	33.2	31.2
Freq. (MHz)	5.4	3.8	472.0	500.0
Limit (dB)	53.7	57.0	-23.9	-26.1

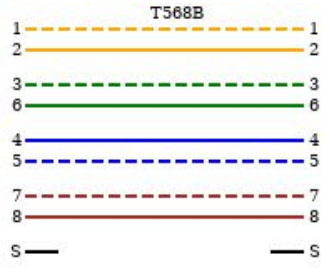
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.1	2.0	6.1	5.9
Freq. (MHz)	491.0	10.1	491.0	484.0
Limit (dB)	6.0	19.0	6.0	6.0

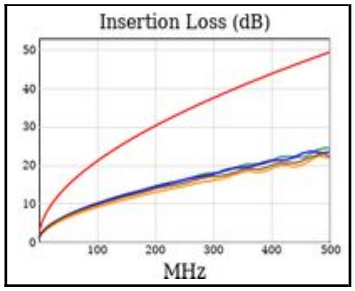
Compliant Network Standards:

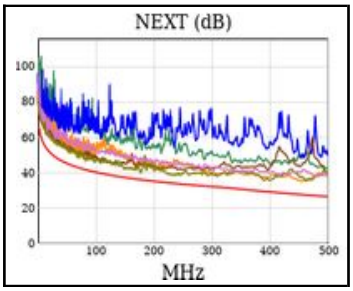
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

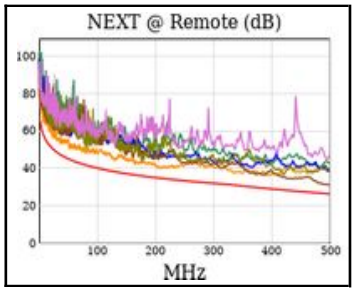


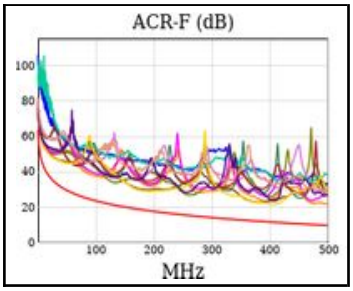
PASS

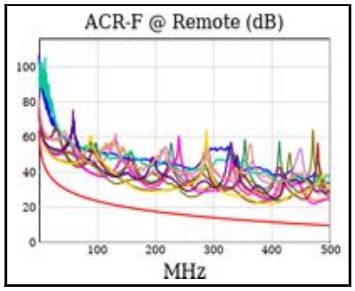


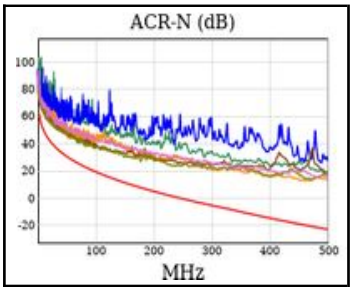


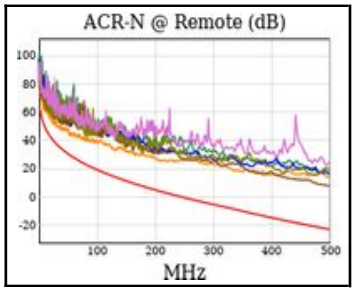


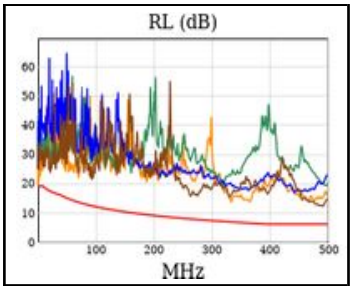


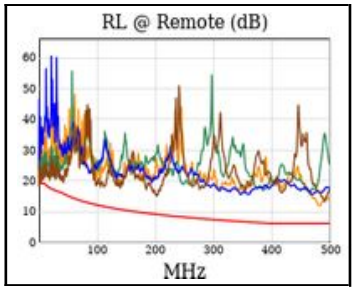












FLUKE networks

LinkWare Live

Cable ID: 168-B

Test Summary: PASS

Date / Time: 12/04/2022 12:34:47 PM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: HANSON MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	177
Prop. Delay (ns), Limit 555	[Pair 4,5]	276
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	1.8	2.7	7.7	4.6
Freq. (MHz)	164.0	166.5	463.0	500.0
Limit (dB)	36.3	36.1	27.0	26.1
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	2.8	4.8	8.4	6.1
Freq. (MHz)	164.0	166.5	463.0	500.0
Limit (dB)	33.4	33.2	24.1	23.2

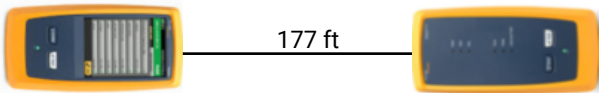
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.0	11.5	11.5
Freq. (MHz)	2.0	5.9	497.0	500.0
Limit (dB)	57.2	47.9	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.2	12.6	13.1
Freq. (MHz)	12.0	7.9	497.0	495.0
Limit (dB)	38.7	42.3	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.2	8.8	32.7	29.5
Freq. (MHz)	7.8	3.9	463.0	500.0
Limit (dB)	52.7	59.2	-20.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	9.9	32.7	30.1
Freq. (MHz)	3.6	3.9	465.0	500.0
Limit (dB)	57.3	56.7	-23.3	-26.1

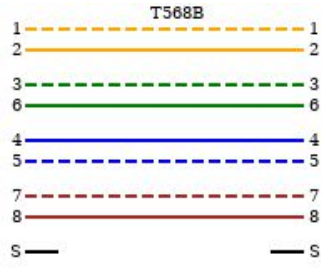
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.6	2.0	7.7	7.2
Freq. (MHz)	22.5	12.4	495.0	499.0
Limit (dB)	17.2	18.5	6.0	6.0

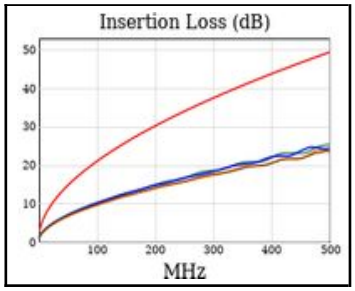
Compliant Network Standards:

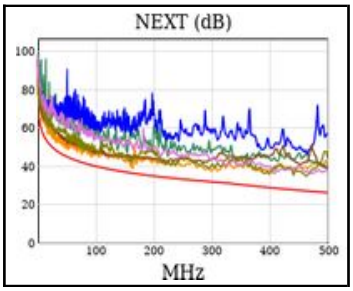
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

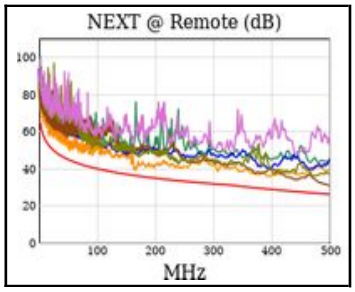


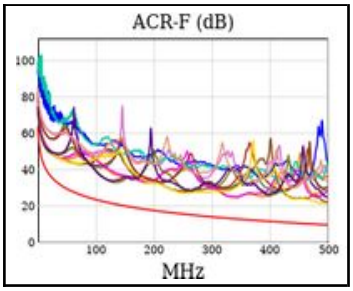
PASS

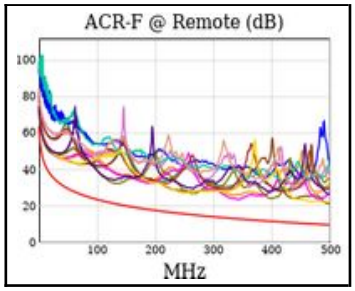


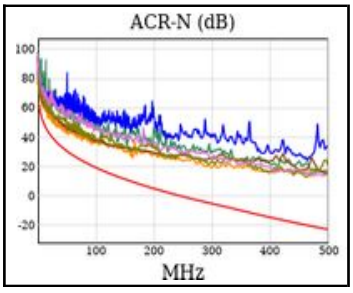


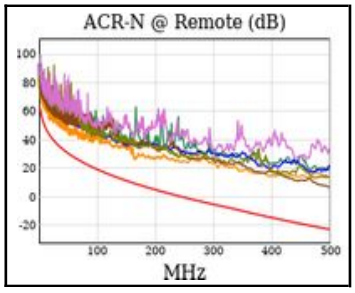


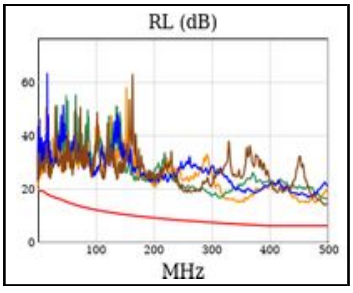


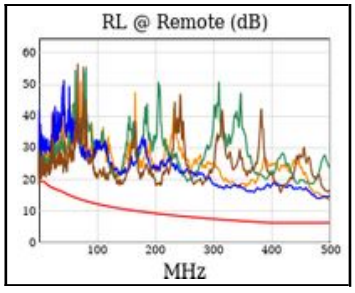












FLUKE networks

LinkWare Live

Cable ID: 168-A-2

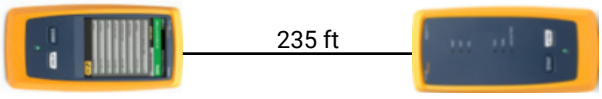
Test Summary: PASS

Date / Time: 12/11/2022 04:38:52 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

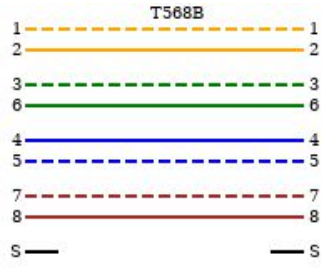
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

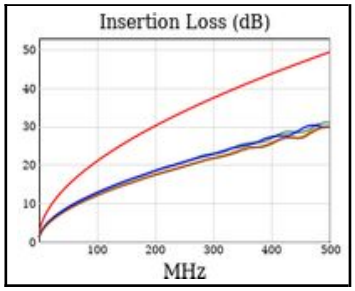
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

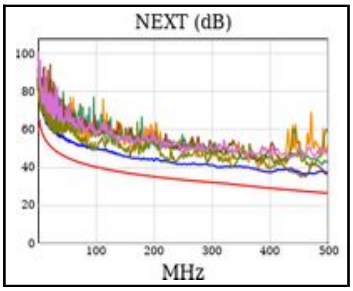
Length (ft), Limit 328	[Pair 7,8]	235
Prop. Delay (ns), Limit 555	[Pair 4,5]	364
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	15.3
Insertion Loss Margin (dB)	[Pair 3,6]	18.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

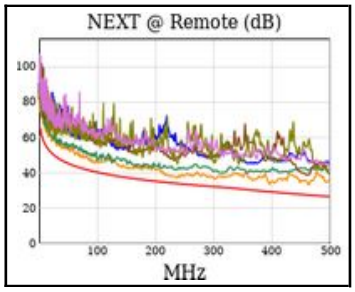


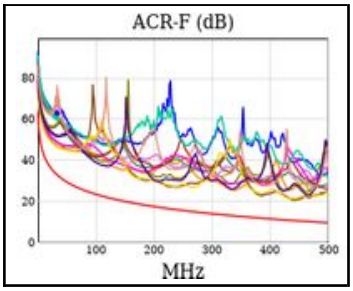
PASS

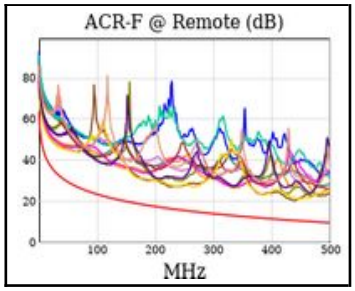


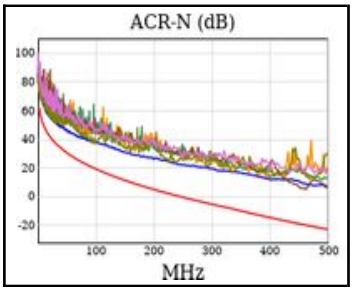


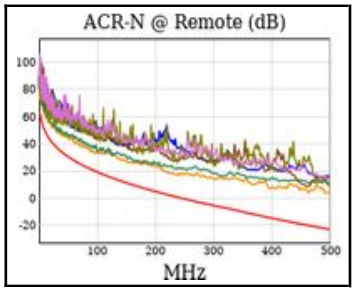


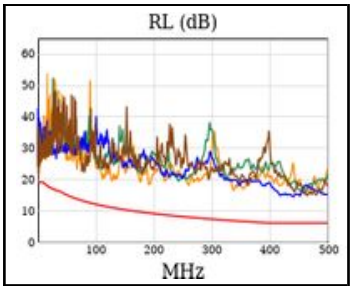


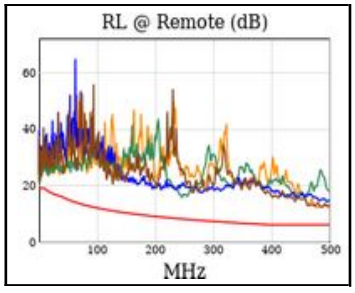












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.6	3.3	7.7	5.7
Freq. (MHz)	454.0	239.0	463.0	465.0
Limit (dB)	27.2	33.5	27.0	27.0
Worst Pair	7,8	1,2	3,6	3,6
PS NEXT (dB)	8.0	5.0	9.6	7.6
Freq. (MHz)	238.5	238.5	463.0	465.0
Limit (dB)	30.5	30.5	24.1	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.6	9.9	9.6
Freq. (MHz)	443.0	440.0	443.0	440.0
Limit (dB)	10.3	10.4	10.3	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.5	11.8	11.6
Freq. (MHz)	434.0	433.0	477.0	440.0
Limit (dB)	7.5	7.5	6.7	7.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.8	10.2	24.9	25.8
Freq. (MHz)	5.6	2.9	463.0	494.0
Limit (dB)	55.8	61.4	-20.3	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.7	10.8	27.2	27.4
Freq. (MHz)	2.9	2.9	463.0	494.0
Limit (dB)	58.4	58.4	-23.2	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	4,5	1,2
RL (dB)	7.1	4.5	8.3	6.1
Freq. (MHz)	7.9	6.1	442.0	498.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 168-B-2

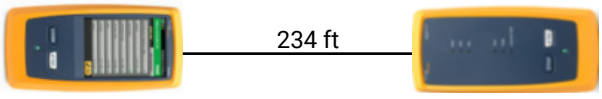
Test Summary: PASS

Date / Time: 12/11/2022 04:39:14 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

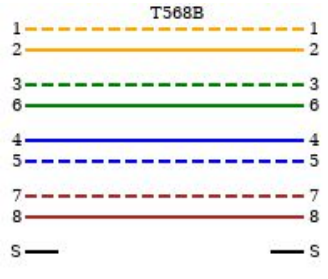
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

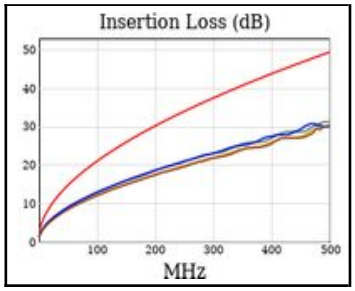
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

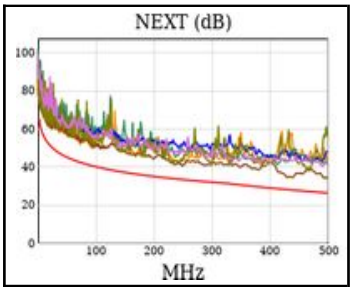
Length (ft), Limit 328	[Pair 7,8]	234
Prop. Delay (ns), Limit 555	[Pair 4,5]	365
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	15.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

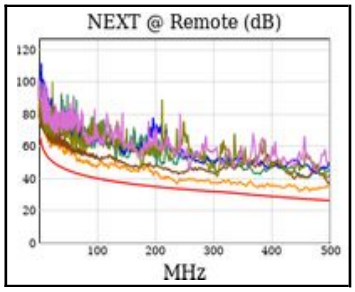


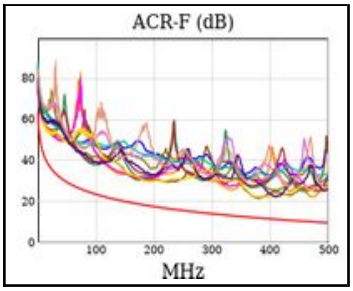
PASS

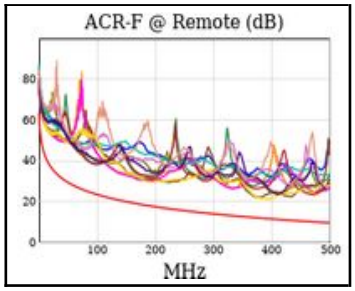


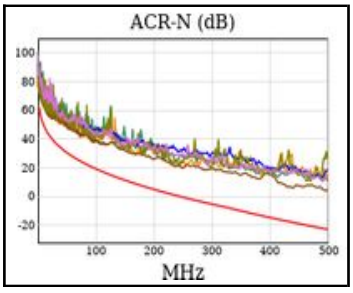


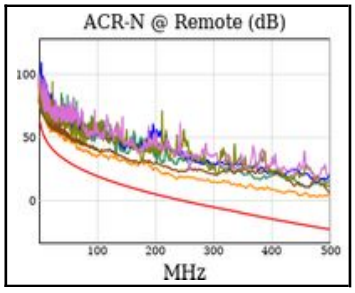


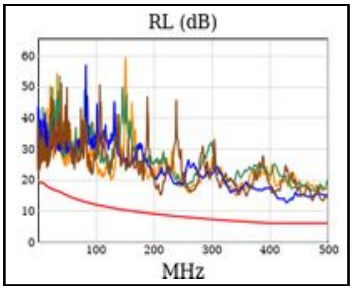


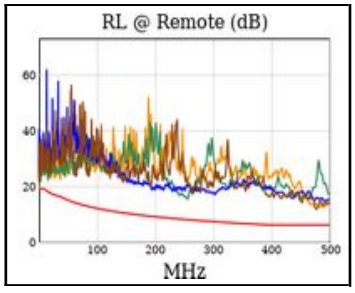












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.2	3.0	7.4	4.4
Freq. (MHz)	431.0	238.0	497.0	448.0
Limit (dB)	27.9	33.5	26.2	27.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.5	5.2	9.3	6.6
Freq. (MHz)	244.5	238.0	497.0	448.0
Limit (dB)	30.3	30.5	23.3	24.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.6	9.7	9.7
Freq. (MHz)	380.0	391.0	382.0	396.0
Limit (dB)	11.7	11.4	11.6	11.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.1	11.3	11.2	11.5
Freq. (MHz)	185.0	382.0	409.0	391.0
Limit (dB)	14.9	8.6	8.0	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.3	10.2	26.5	23.8
Freq. (MHz)	2.8	2.8	497.0	479.0
Limit (dB)	61.5	61.5	-23.0	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	11.3	27.8	26.7
Freq. (MHz)	2.8	2.8	497.0	497.0
Limit (dB)	58.5	58.5	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	7,8
RL (dB)	5.9	3.9	6.6	5.6
Freq. (MHz)	16.5	16.3	431.0	478.0
Limit (dB)	17.9	17.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 169-A-2

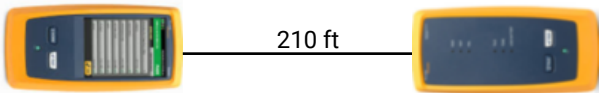
Test Summary: PASS

Date / Time: 12/11/2022 04:41:57 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

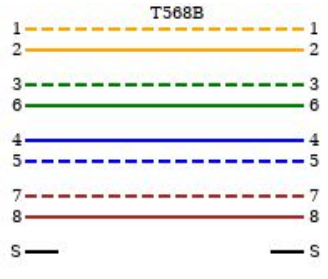
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

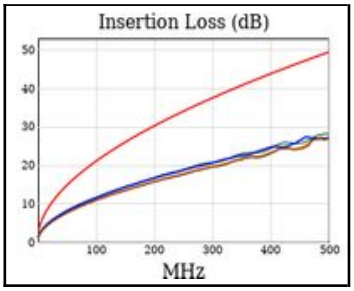
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

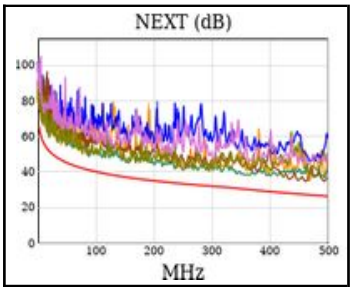
Length (ft), Limit 328	[Pair 7,8]	210
Prop. Delay (ns), Limit 555	[Pair 4,5]	326
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	14.8
Insertion Loss Margin (dB)	[Pair 3,6]	21.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

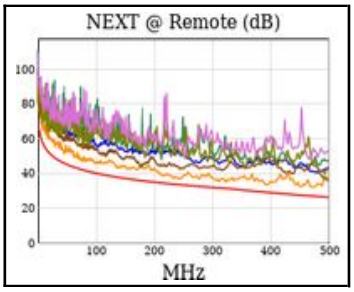


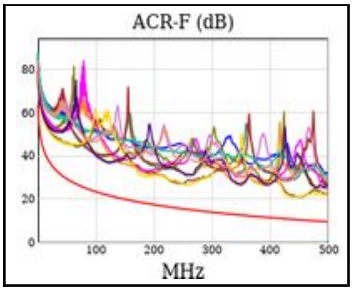
PASS

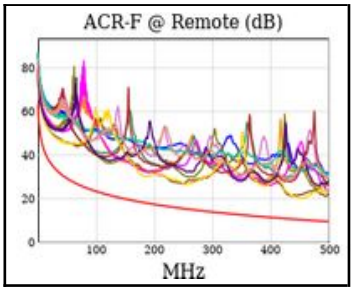


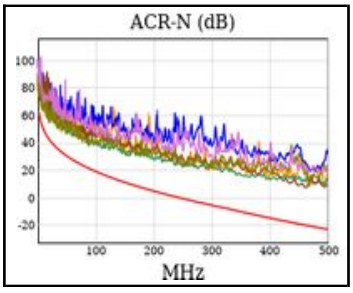


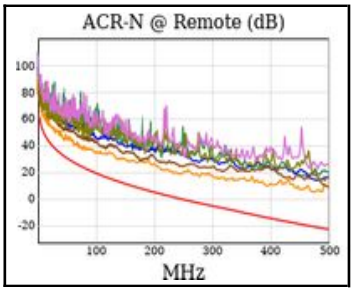


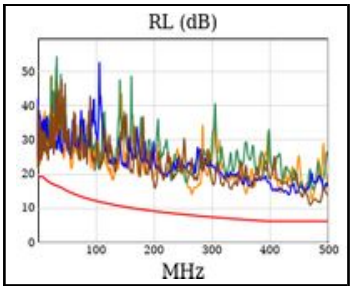


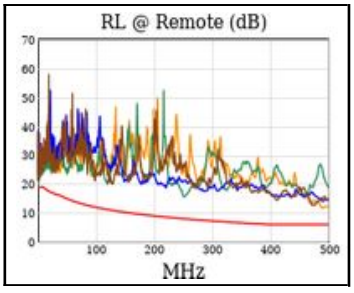












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.5	3.3	8.2	4.9
Freq. (MHz)	462.0	242.0	495.0	473.0
Limit (dB)	27.0	33.4	26.2	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.7	5.3	7.7	7.4
Freq. (MHz)	468.0	246.5	468.0	489.0
Limit (dB)	24.0	30.3	24.0	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	9.9	10.2	9.9
Freq. (MHz)	440.0	457.0	440.0	457.0
Limit (dB)	10.4	10.1	10.4	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	11.9	11.4	11.9
Freq. (MHz)	494.0	496.0	494.0	496.0
Limit (dB)	6.4	6.3	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.4	9.9	27.4	26.9
Freq. (MHz)	6.4	8.4	462.0	489.0
Limit (dB)	54.6	51.9	-20.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	10.7	30.1	28.2
Freq. (MHz)	6.3	6.3	495.0	489.0
Limit (dB)	52.2	52.2	-25.7	-25.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	4.7	4.2	4.7	5.7
Freq. (MHz)	471.0	6.9	471.0	491.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 169-B-2

Test Summary: PASS

Date / Time: 12/11/2022 04:42:17 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	324
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 3,6]	21.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	2.5	7.4	5.7
Freq. (MHz)	179.0	243.0	499.0	488.0
Limit (dB)	35.6	33.3	26.1	26.4
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	8.0	4.9	9.6	7.9
Freq. (MHz)	238.0	243.0	499.0	488.0
Limit (dB)	30.5	30.4	23.3	23.5

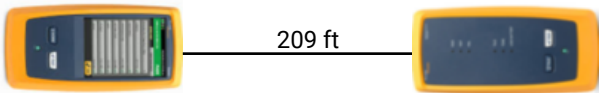
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	10.4	11.2	10.4
Freq. (MHz)	201.5	500.0	500.0	500.0
Limit (dB)	17.2	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.1	11.7	12.5
Freq. (MHz)	201.5	251.0	497.0	500.0
Limit (dB)	14.2	12.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	8.9	29.6	26.7
Freq. (MHz)	5.0	5.0	499.0	488.0
Limit (dB)	56.9	56.9	-23.1	-22.3
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.1	10.9	31.2	28.8
Freq. (MHz)	3.3	6.6	499.0	488.0
Limit (dB)	58.2	51.7	-26.0	-25.1

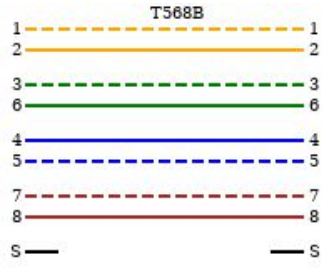
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	7,8	1,2
RL (dB)	4.3	4.9	4.3	7.1
Freq. (MHz)	492.0	8.5	492.0	491.0
Limit (dB)	6.0	19.0	6.0	6.0

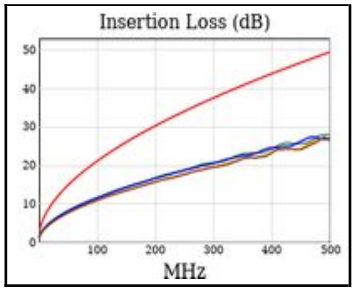
Compliant Network Standards:

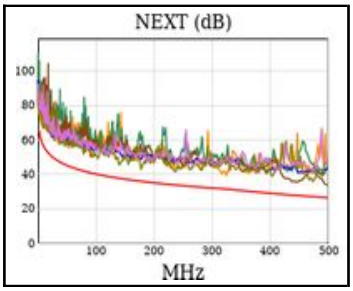
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

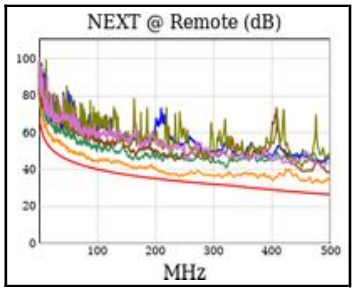


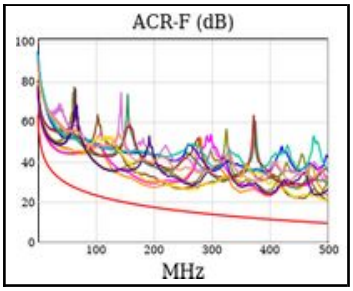
PASS

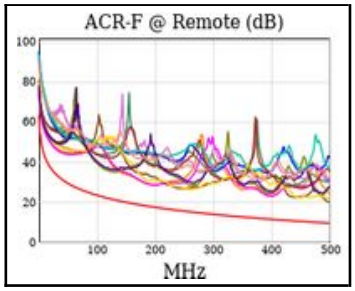


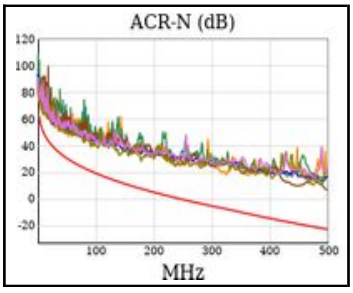


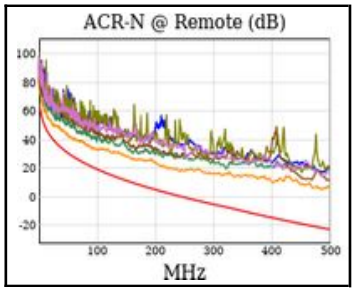


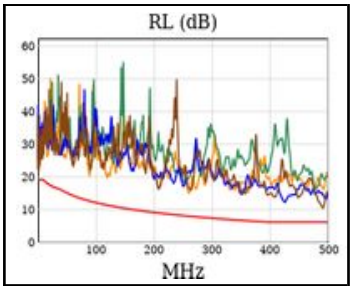


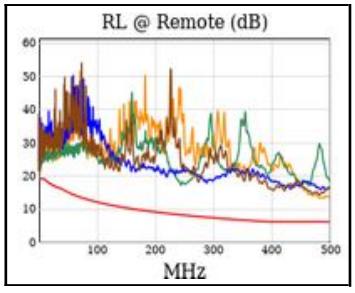












FLUKE networks

LinkWare Live

Cable ID: 171-A-2

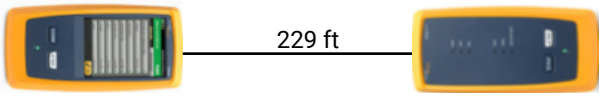
Test Summary: PASS

Date / Time: 12/11/2022 04:44:42 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

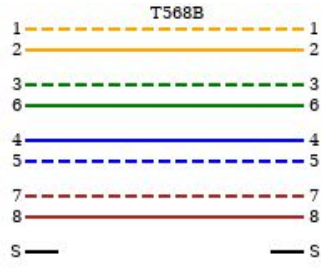
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

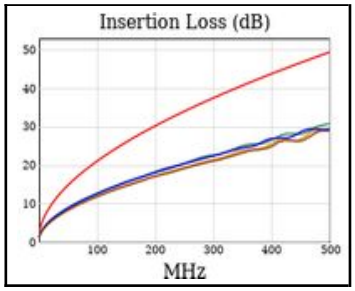
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	229
Prop. Delay (ns), Limit 555	[Pair 4,5]	356
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	15.9
Insertion Loss Margin (dB)	[Pair 3,6]	18.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

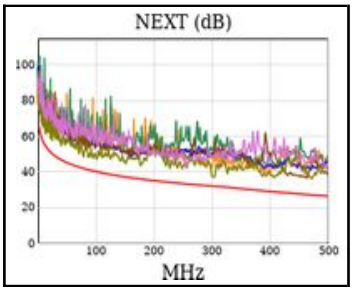


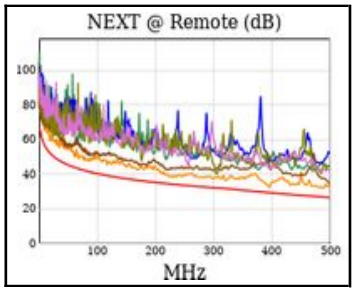
PASS



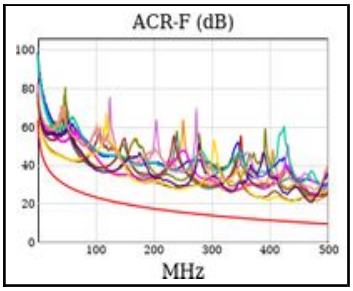


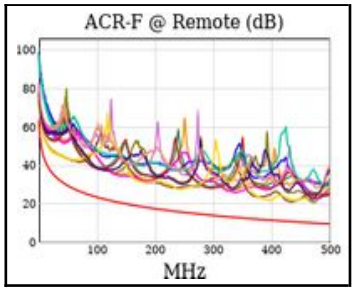
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	5.1	3.0	9.0	5.0
Freq. (MHz)	305.0	396.0	473.0	489.0
Limit (dB)	31.6	28.9	26.8	26.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.6	5.6	9.7	6.7
Freq. (MHz)	301.0	225.0	465.0	489.0
Limit (dB)	28.7	31.0	24.1	23.5



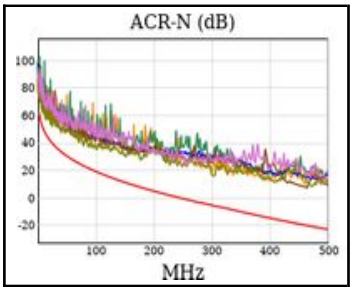


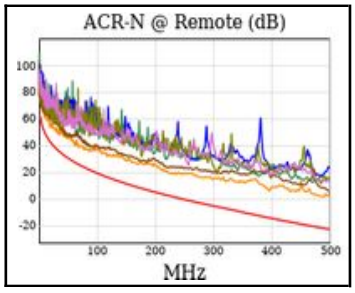
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	10.2	10.1	10.9	10.8
Freq. (MHz)	18.6	397.0	472.0	474.0
Limit (dB)	37.9	11.3	9.8	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.9	10.4	10.9
Freq. (MHz)	473.0	475.0	475.0	475.0
Limit (dB)	6.8	6.7	6.7	6.7



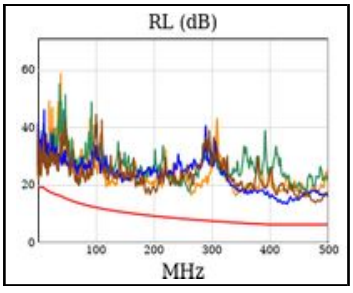


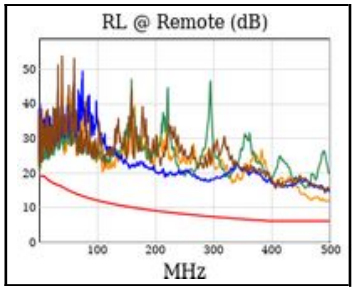
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.7	10.4	27.2	23.5
Freq. (MHz)	14.9	4.1	465.0	490.0
Limit (dB)	45.9	58.6	-20.4	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	10.2	30.5	25.7
Freq. (MHz)	4.3	7.1	500.0	499.0
Limit (dB)	55.8	50.9	-26.1	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	4,5	1,2
RL (dB)	5.3	4.0	7.0	5.6
Freq. (MHz)	16.9	6.3	430.0	497.0
Limit (dB)	17.9	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 170-A

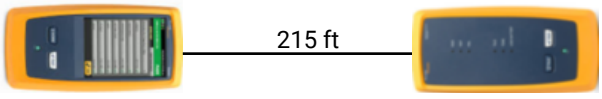
Test Summary: PASS

Date / Time: 12/10/2022 01:37:10 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

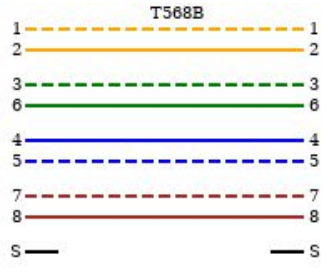
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	215
Prop. Delay (ns), Limit 555	[Pair 4,5]	341
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	12.9
Insertion Loss Margin (dB)	[Pair 3,6]	19.9
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

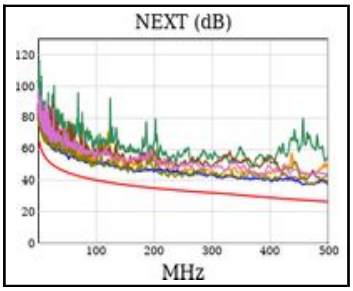


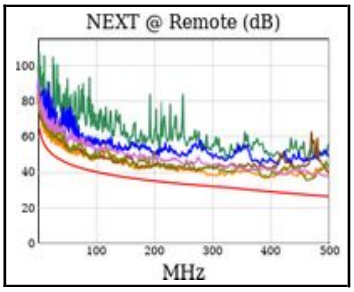
PASS



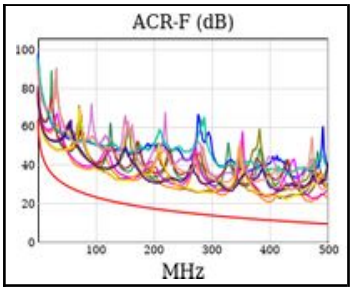


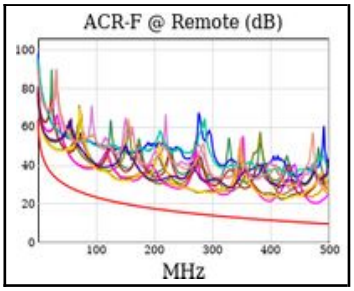
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-7,8
NEXT (dB)	7.8	5.3	10.1	8.4
Freq. (MHz)	226.0	167.0	476.0	467.0
Limit (dB)	33.9	36.1	26.7	26.9
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	8.2	4.6	9.6	6.8
Freq. (MHz)	3.1	170.5	467.0	396.0
Limit (dB)	62.0	33.1	24.0	25.9



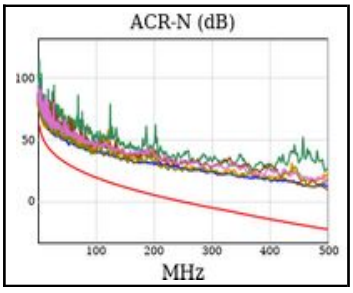


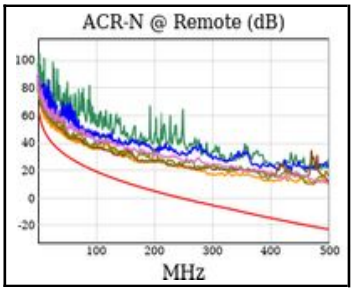
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.5	9.8	9.5	10.4
Freq. (MHz)	401.0	398.0	401.0	482.0
Limit (dB)	11.2	11.3	11.2	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	11.2	10.3	11.3
Freq. (MHz)	401.0	401.0	401.0	419.0
Limit (dB)	8.2	8.2	8.2	7.8



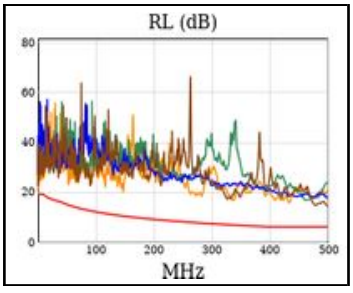


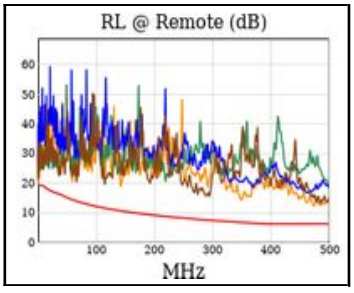
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.3	9.4	32.3	30.4
Freq. (MHz)	3.0	11.3	500.0	475.0
Limit (dB)	61.4	48.9	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	8.6	33.5	29.8
Freq. (MHz)	3.0	3.0	500.0	473.0
Limit (dB)	58.4	58.4	-26.1	-24.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.2	5.3	8.3	6.1
Freq. (MHz)	10.1	10.0	500.0	475.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 170-B

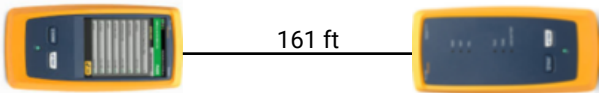
Test Summary: PASS

Date / Time: 12/10/2022 01:32:49 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

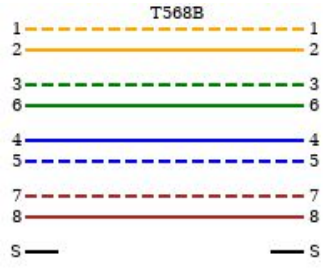
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

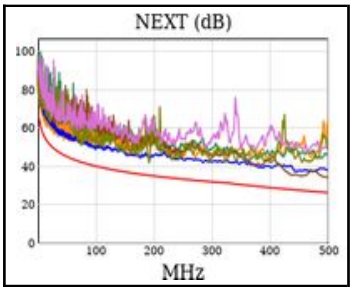
Length (ft), Limit 328	[Pair 1,2]	161
Prop. Delay (ns), Limit 555	[Pair 4,5]	254
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.4
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

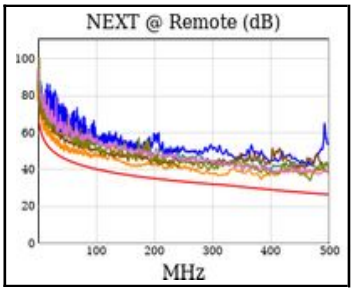


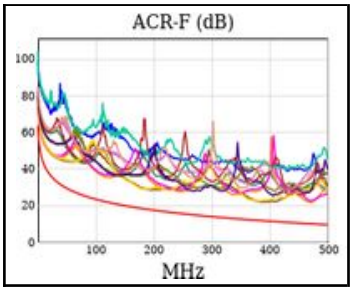
PASS

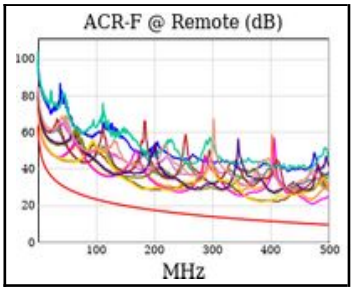


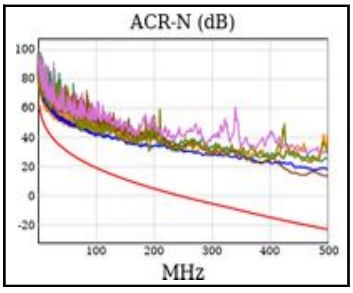


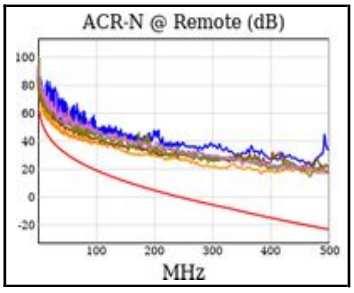


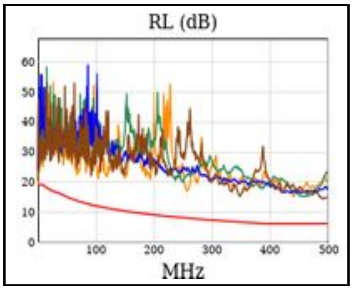


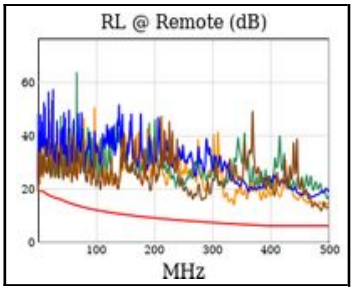












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.3	3.9	7.5	6.7
Freq. (MHz)	192.5	45.8	500.0	468.0
Limit (dB)	35.1	45.7	26.1	26.9
Worst Pair	7,8	3,6	4,5	7,8
PS NEXT (dB)	7.4	5.4	10.1	8.1
Freq. (MHz)	192.5	294.0	500.0	469.0
Limit (dB)	32.1	28.9	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.1	10.1	11.6	10.9
Freq. (MHz)	386.0	385.0	472.0	472.0
Limit (dB)	11.5	11.5	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.1	13.1	12.6
Freq. (MHz)	9.6	9.1	468.0	472.0
Limit (dB)	40.6	41.1	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	10.5	8.9	35.7	35.1
Freq. (MHz)	4.3	10.8	500.0	469.0
Limit (dB)	58.3	49.4	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	9.1	37.8	35.3
Freq. (MHz)	4.1	4.1	500.0	469.0
Limit (dB)	56.1	56.1	-26.1	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	8.1	5.6	8.1	5.6
Freq. (MHz)	493.0	487.0	493.0	487.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 171-A

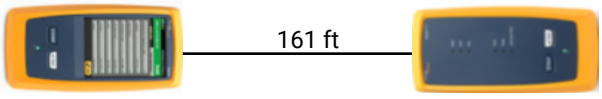
Test Summary: PASS

Date / Time: 12/10/2022 01:56:11 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

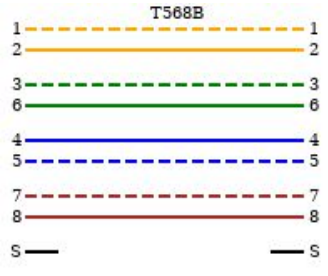
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	161
Prop. Delay (ns), Limit 555	[Pair 4,5]	254
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3



PASS



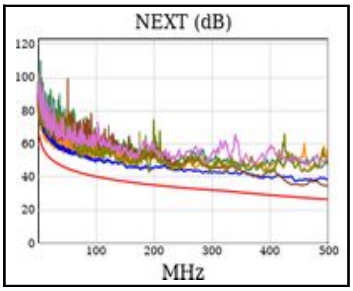
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.9	4.1	7.7	6.8
Freq. (MHz)	192.5	45.8	500.0	468.0
Limit (dB)	35.1	45.7	26.1	26.9
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.7	5.2	10.3	8.2
Freq. (MHz)	192.5	294.0	500.0	469.0
Limit (dB)	32.1	28.9	23.2	24.0

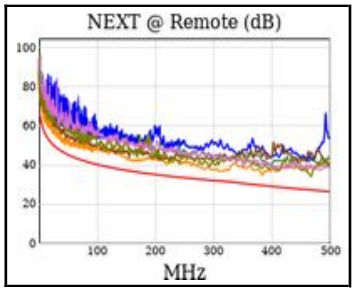
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.1	9.9	11.7	11.1
Freq. (MHz)	384.0	384.0	472.0	474.0
Limit (dB)	11.6	11.6	9.8	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	13.2	12.7
Freq. (MHz)	9.8	9.1	468.0	472.0
Limit (dB)	40.5	41.1	6.9	6.8

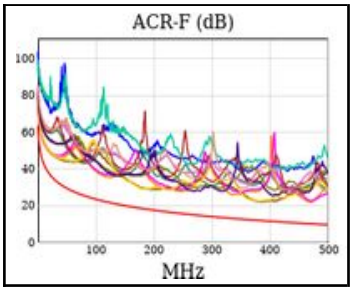
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	10.6	9.1	35.9	35.3
Freq. (MHz)	4.3	10.8	500.0	469.0
Limit (dB)	58.3	49.4	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.2	37.8	35.2
Freq. (MHz)	4.1	4.1	500.0	469.0
Limit (dB)	56.1	56.1	-26.1	-23.6

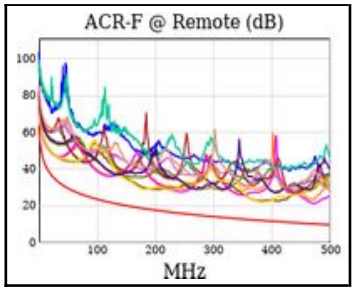
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	8.2	5.4	8.2	5.4
Freq. (MHz)	465.0	487.0	465.0	487.0
Limit (dB)	6.0	6.0	6.0	6.0

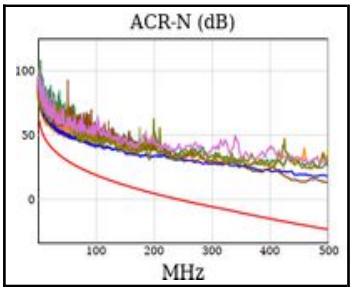


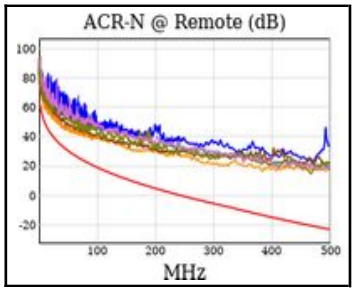


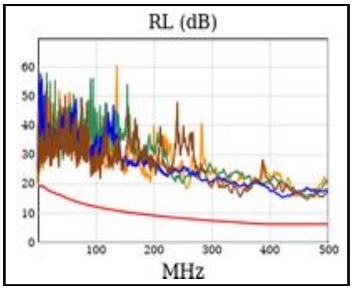


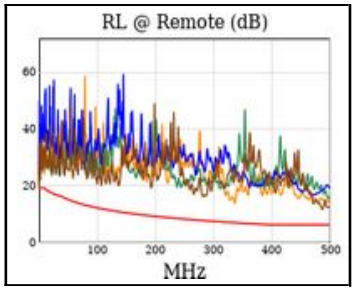












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 169-A-2

Test Summary: PASS

Date / Time: 12/17/2022 07:39:44 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	301
Prop. Delay (ns), Limit 555	[Pair 4,5]	468
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	14.5
Insertion Loss Margin (dB)	[Pair 3,6]	9.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
NEXT (dB)	3.6	6.2	8.7	7.9
Freq. (MHz)	238.5	334.0	475.0	451.0
Limit (dB)	33.5	30.9	26.7	27.3
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	4.8	7.6	8.7	10.8
Freq. (MHz)	159.5	3.3	469.0	500.0
Limit (dB)	33.6	62.0	24.0	23.2

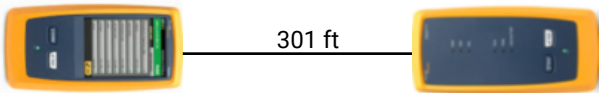
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	1,2-3,6
ACR-F (dB)	9.5	9.5	9.8	9.6
Freq. (MHz)	441.0	440.0	455.0	491.0
Limit (dB)	10.4	10.4	10.1	9.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.1	11.3	11.7	11.4
Freq. (MHz)	266.0	436.0	443.0	490.0
Limit (dB)	11.8	7.5	7.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	7.3	9.5	19.6	19.8
Freq. (MHz)	4.1	5.5	493.0	500.0
Limit (dB)	58.6	56.0	-22.7	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	6.8	8.6	20.1	20.8
Freq. (MHz)	4.3	3.3	500.0	496.0
Limit (dB)	55.8	58.2	-26.1	-25.8

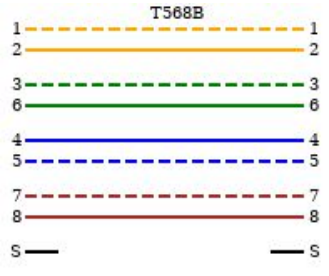
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.7	5.2	7.7	8.4
Freq. (MHz)	5.0	5.0	406.0	483.0
Limit (dB)	19.0	19.0	6.0	6.0

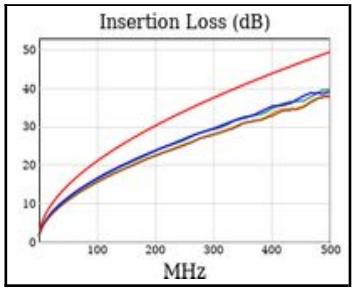
Compliant Network Standards:

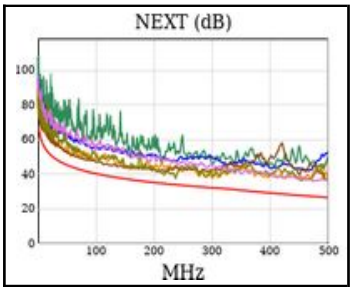
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

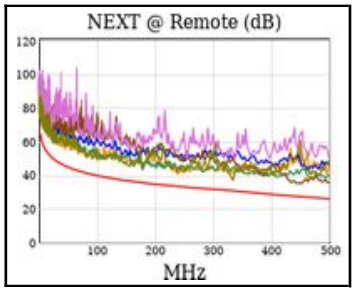


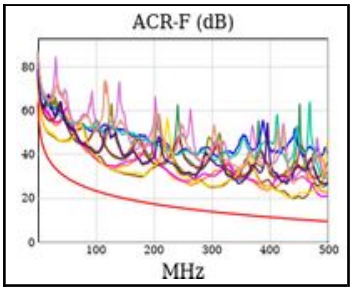
PASS

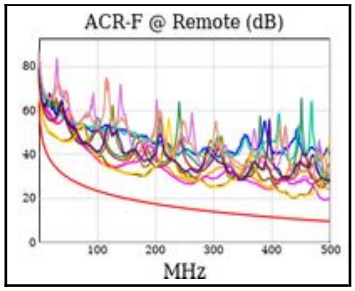


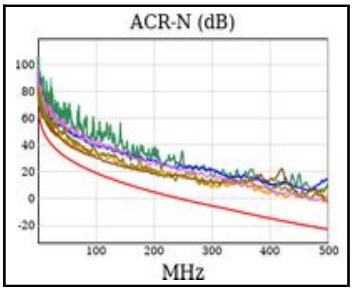


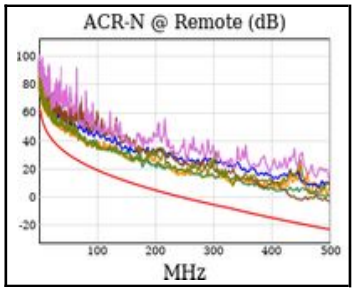


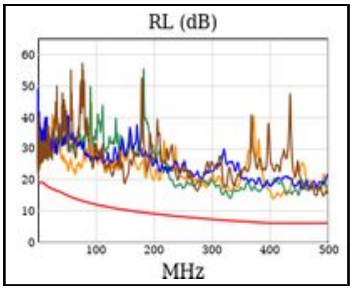


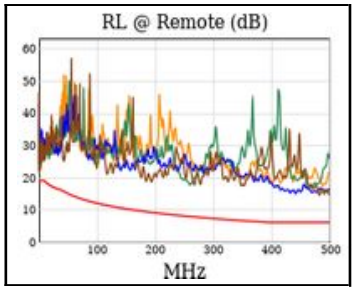












FLUKE networks

LinkWare Live

Cable ID: 169-B-2

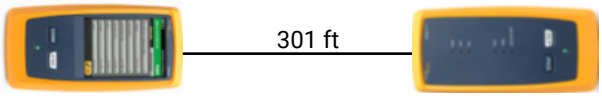
Test Summary: PASS

Date / Time: 12/17/2022 07:40:06 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: DUPONT MDF

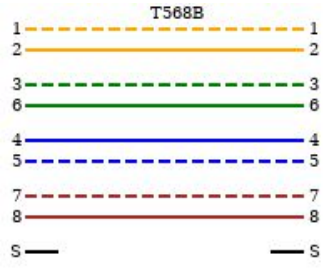
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	301
Prop. Delay (ns), Limit 555	[Pair 4,5]	467
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	14.5
Insertion Loss Margin (dB)	[Pair 3,6]	9.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

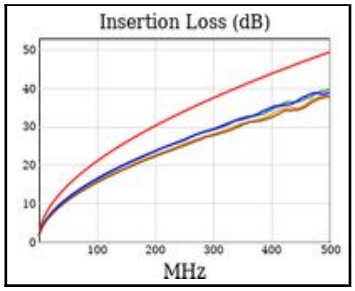


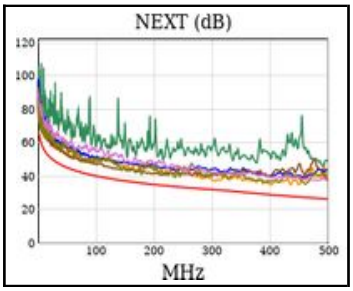
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.9	8.2	7.1	8.7
Freq. (MHz)	305.0	463.0	449.0	500.0
Limit (dB)	31.6	27.0	27.4	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.8	8.8	6.0	10.1
Freq. (MHz)	159.0	3.3	402.0	499.0
Limit (dB)	33.6	62.0	25.7	23.3

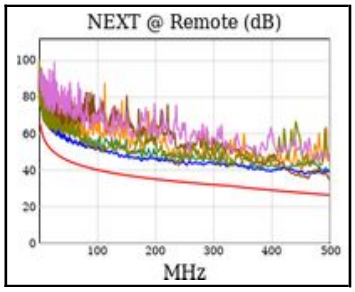
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.1	10.2	11.0	11.5
Freq. (MHz)	316.0	331.0	496.0	495.0
Limit (dB)	13.3	12.9	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.4	11.5	11.4
Freq. (MHz)	347.0	490.0	496.0	490.0
Limit (dB)	9.5	6.5	6.3	6.5

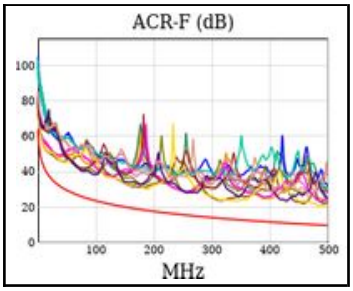
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	7.2	10.7	17.4	19.2
Freq. (MHz)	3.1	9.0	452.0	500.0
Limit (dB)	61.1	51.2	-19.4	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.8	9.8	20.4	20.8
Freq. (MHz)	4.3	3.3	499.0	500.0
Limit (dB)	55.8	58.2	-26.0	-26.1

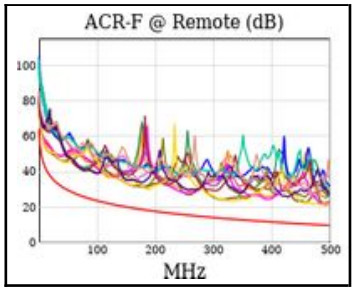
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	3,6
RL (dB)	6.7	5.6	7.6	7.5
Freq. (MHz)	5.0	4.9	427.0	462.0
Limit (dB)	19.0	19.0	6.0	6.0

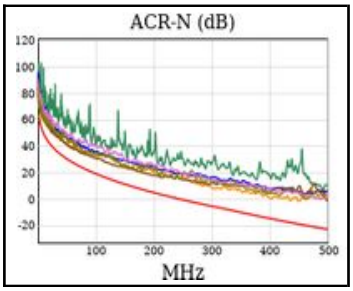


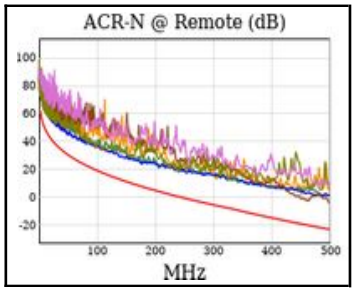


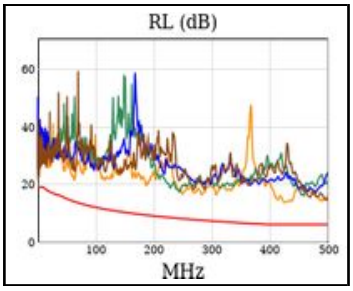


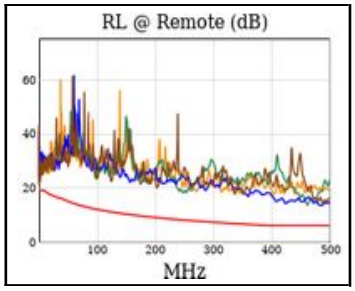












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 167-B

Test Summary: PASS

Date / Time: 12/17/2022 11:52:04 AM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 4,5]	232
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	29.2
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	6.9	5.9	8.0
Freq. (MHz)	233.5	91.5	459.0	500.0
Limit (dB)	33.6	40.6	27.1	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.2	6.9	6.6	10.3
Freq. (MHz)	159.0	91.5	466.0	498.0
Limit (dB)	33.6	37.7	24.0	23.3

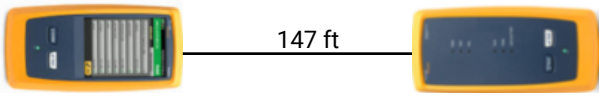
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.2	11.2	10.6
Freq. (MHz)	264.0	400.0	433.0	430.0
Limit (dB)	14.8	11.2	10.5	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	11.8	12.1
Freq. (MHz)	264.0	9.8	417.0	438.0
Limit (dB)	11.8	40.5	7.9	7.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.3	10.3	36.0	38.0
Freq. (MHz)	4.6	2.4	466.0	500.0
Limit (dB)	57.6	61.7	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.0	9.8	35.4	39.9
Freq. (MHz)	4.5	4.5	467.0	500.0
Limit (dB)	55.3	55.3	-23.5	-26.1

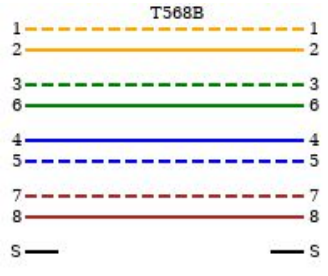
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.0	5.6	5.9	7.5
Freq. (MHz)	53.5	47.0	488.0	402.0
Limit (dB)	14.7	15.3	6.0	6.0

Compliant Network Standards:

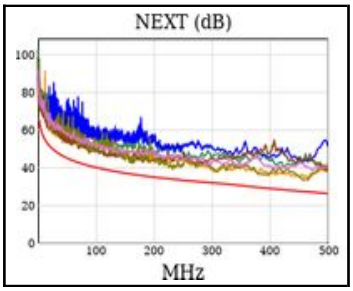
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

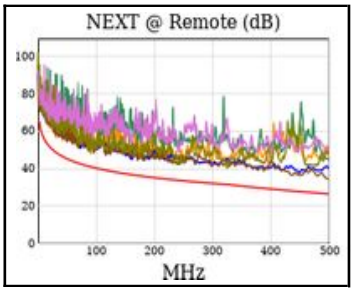


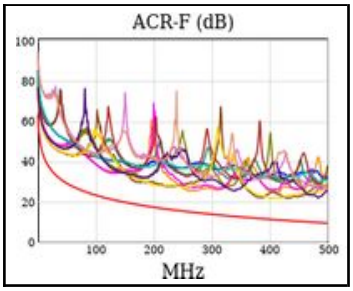
PASS

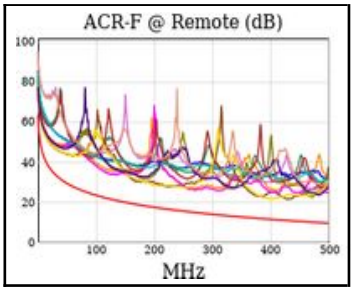


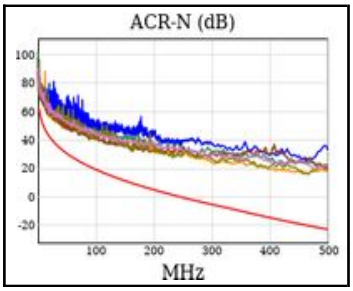


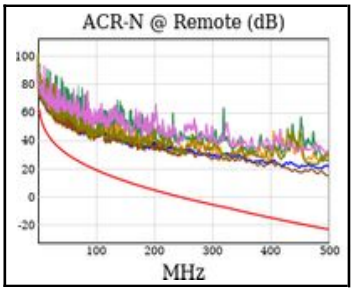


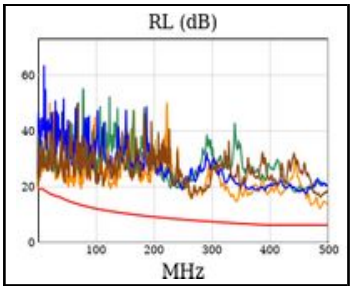


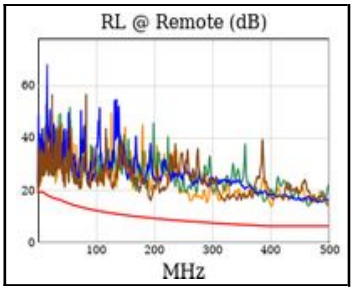












FLUKE networks

LinkWare Live

Cable ID: 168-A

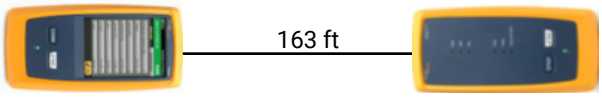
Test Summary: PASS

Date / Time: 12/17/2022 11:52:34 AM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

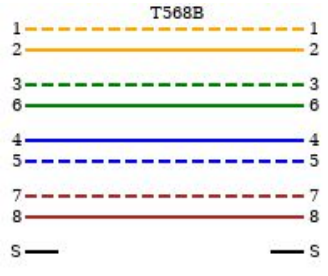
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	258
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.3
Insertion Loss Margin (dB)	[Pair 3,6]	26.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

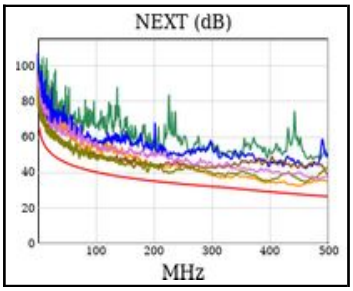


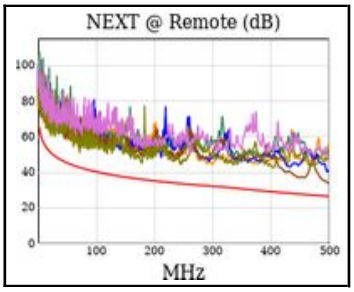
PASS



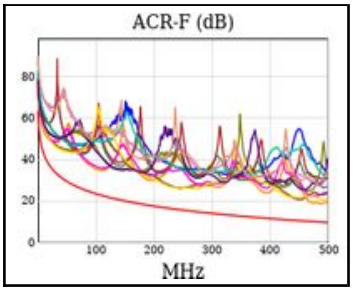


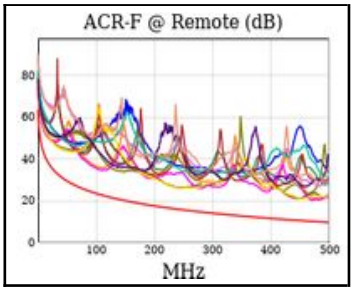
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.4	7.2	4.6	7.2
Freq. (MHz)	190.0	500.0	450.0	500.0
Limit (dB)	35.2	26.1	27.3	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.0	9.8	5.8	9.8
Freq. (MHz)	394.0	499.0	453.0	500.0
Limit (dB)	26.0	23.3	24.4	23.2



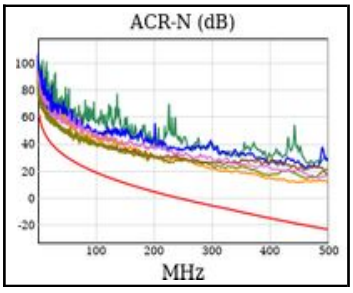


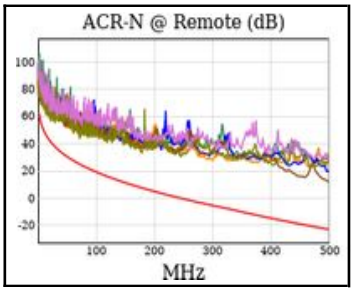
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.8	10.1	8.8	10.1
Freq. (MHz)	488.0	473.0	488.0	473.0
Limit (dB)	9.5	9.8	9.5	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	10.1	9.5	10.3
Freq. (MHz)	489.0	6.5	489.0	471.0
Limit (dB)	6.5	44.0	6.5	6.8



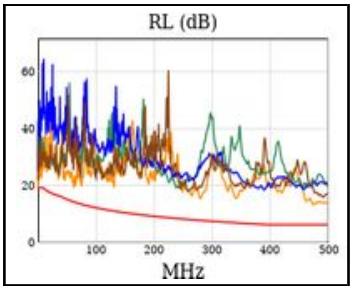


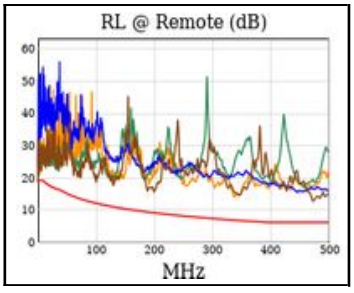
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.2	11.9	30.5	34.8
Freq. (MHz)	3.8	3.8	450.0	500.0
Limit (dB)	59.5	59.5	-19.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	12.3	32.6	36.5
Freq. (MHz)	3.8	4.0	462.0	500.0
Limit (dB)	57.0	56.4	-23.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.0	4.7	7.0	6.6
Freq. (MHz)	62.8	14.5	477.0	474.0
Limit (dB)	14.0	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 168-B

Test Summary: PASS

Date / Time: 12/17/2022 11:54:46 AM
Headroom: 6.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	259
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	26.3
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	6.3	8.7	8.1	9.9
Freq. (MHz)	167.0	55.8	469.0	500.0
Limit (dB)	36.1	44.2	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	7.7	8.9	10.5
Freq. (MHz)	167.5	4.1	469.0	468.0
Limit (dB)	33.2	60.3	24.0	24.0

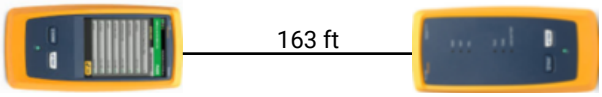
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.3	10.8	10.3
Freq. (MHz)	375.0	371.0	383.0	371.0
Limit (dB)	11.8	11.9	11.6	11.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.8	13.6	13.8
Freq. (MHz)	4.6	6.4	460.0	456.0
Limit (dB)	47.0	44.2	7.0	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	9.5	11.2	35.7	37.6
Freq. (MHz)	3.8	3.8	469.0	500.0
Limit (dB)	59.5	59.5	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	10.0	35.0	37.6
Freq. (MHz)	4.0	4.1	469.0	492.0
Limit (dB)	56.4	56.1	-23.6	-25.5

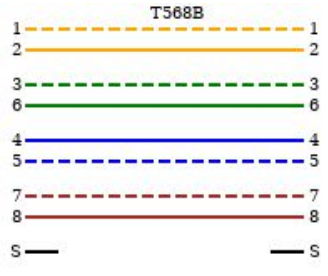
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.9	5.4	6.6	7.1
Freq. (MHz)	15.8	12.5	484.0	499.0
Limit (dB)	18.0	18.5	6.0	6.0

Compliant Network Standards:

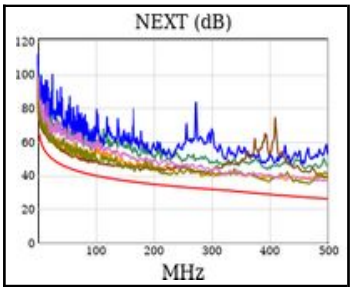
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

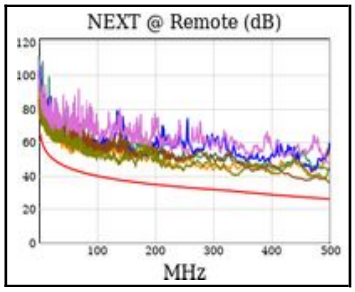


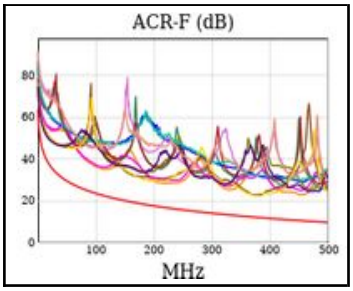
PASS

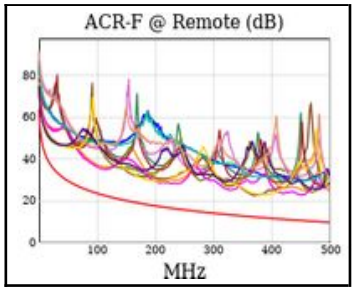


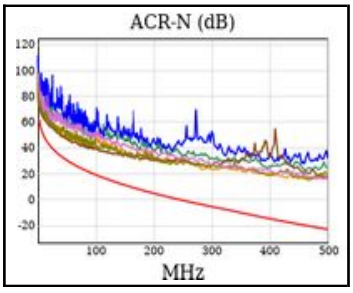


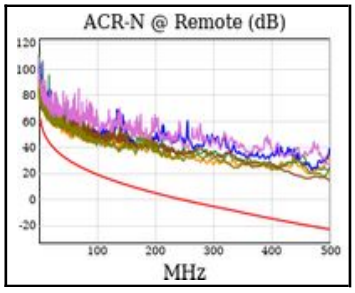


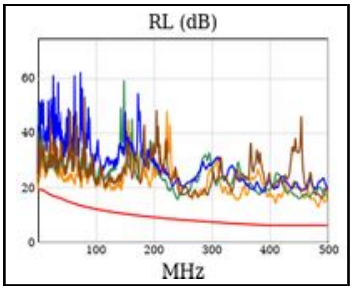


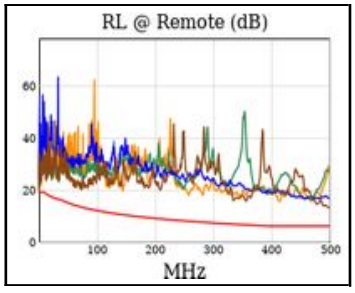












FLUKE networks

LinkWare Live

Cable ID: 170-A

Test Summary: PASS

Date / Time: 12/17/2022 11:57:56 AM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	199
Prop. Delay (ns), Limit 555	[Pair 4,5]	316
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	22.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	4.2	7.0	7.5	11.3
Freq. (MHz)	190.0	5.0	487.0	498.0
Limit (dB)	35.2	61.5	26.4	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.7	7.7	7.1	10.7
Freq. (MHz)	308.0	5.0	463.0	468.0
Limit (dB)	28.6	59.0	24.1	24.0

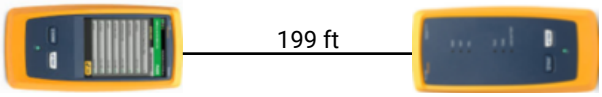
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.2	11.5	10.1
Freq. (MHz)	253.0	257.0	476.0	462.0
Limit (dB)	15.2	15.1	9.7	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	11.8	11.6
Freq. (MHz)	338.0	338.0	461.0	450.0
Limit (dB)	9.7	9.7	7.0	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
ACR-N (dB)	10.7	9.3	30.9	34.2
Freq. (MHz)	6.6	5.0	487.0	498.0
Limit (dB)	54.2	56.9	-22.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.8	10.1	32.0	33.0
Freq. (MHz)	5.0	5.0	500.0	468.0
Limit (dB)	54.3	54.3	-26.1	-23.6

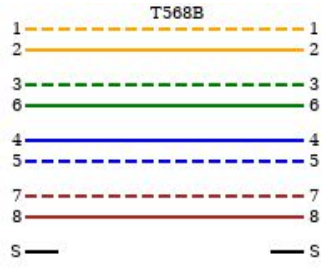
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.7	5.0	6.8	6.1
Freq. (MHz)	38.3	51.0	486.0	489.0
Limit (dB)	16.1	14.9	6.0	6.0

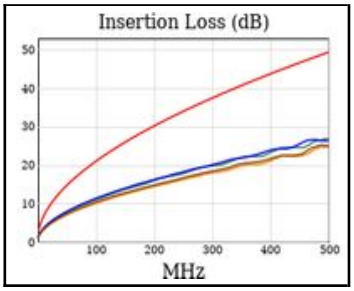
Compliant Network Standards:

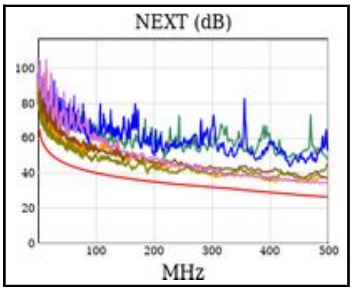
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

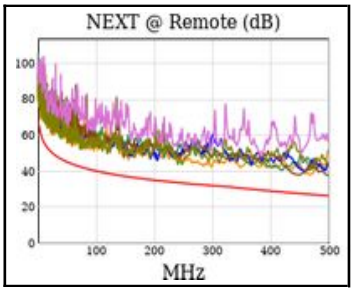


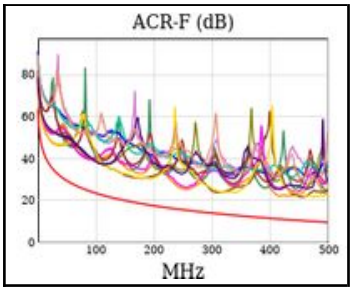
PASS

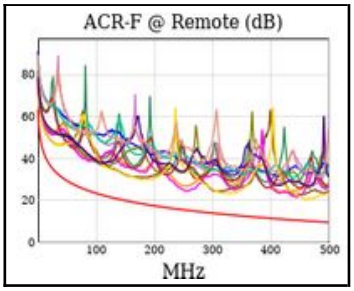


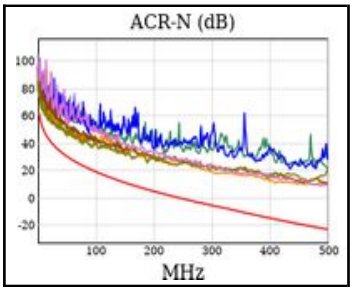


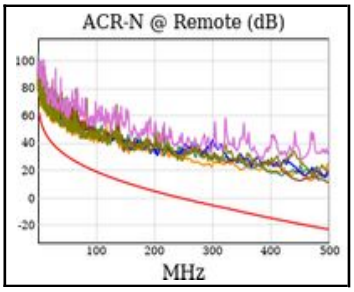


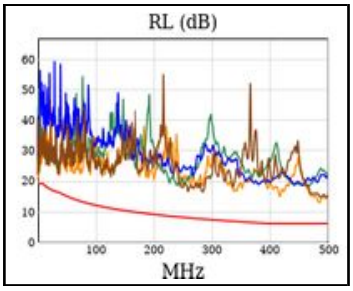


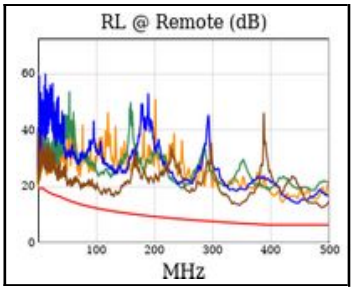












FLUKE networks

LinkWare Live

Cable ID: 170-B

Test Summary: PASS

Date / Time: 12/17/2022 11:58:15 AM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 4,5]	317
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	4.4	7.1	7.4	7.3
Freq. (MHz)	228.5	161.5	466.0	500.0
Limit (dB)	33.8	36.4	26.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.4	7.6	8.0	8.9
Freq. (MHz)	209.0	3.3	464.0	500.0
Limit (dB)	31.5	62.0	24.1	23.2

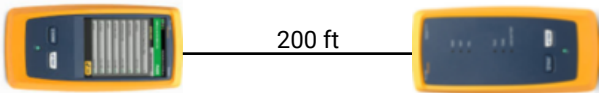
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.4	10.5	10.5
Freq. (MHz)	452.0	457.0	455.0	458.0
Limit (dB)	10.2	10.1	10.1	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.1	11.4	11.4
Freq. (MHz)	343.0	5.3	465.0	454.0
Limit (dB)	9.6	45.9	6.9	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	9.5	10.8	30.9	30.1
Freq. (MHz)	3.0	3.1	466.0	500.0
Limit (dB)	61.4	61.1	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.9	9.5	31.1	31.7
Freq. (MHz)	3.3	3.3	475.0	500.0
Limit (dB)	58.2	58.2	-24.1	-26.1

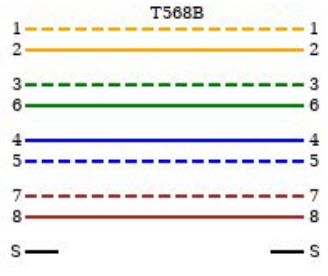
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.5	3.9	6.9	5.2
Freq. (MHz)	50.5	131.5	485.0	344.0
Limit (dB)	15.0	10.8	6.0	6.6

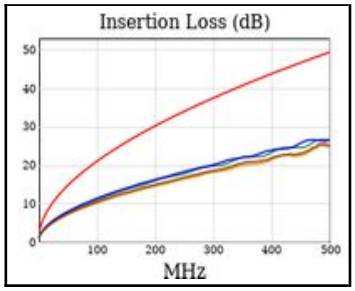
Compliant Network Standards:

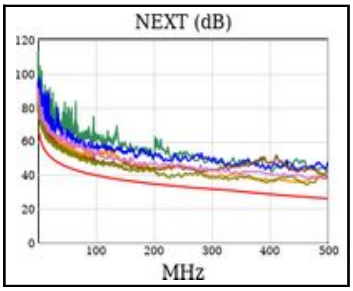
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

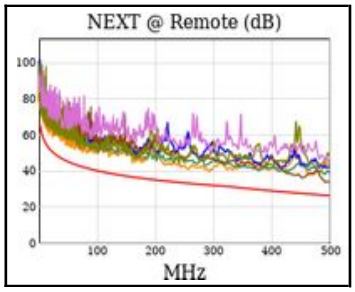


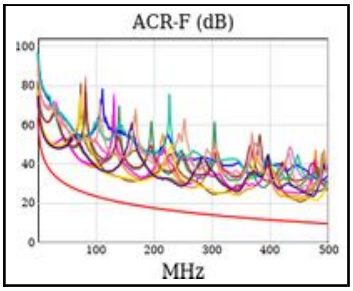
PASS

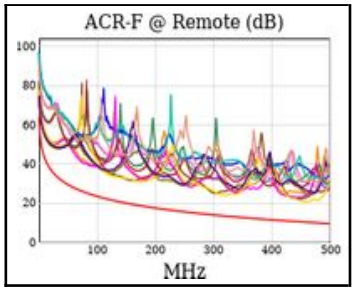


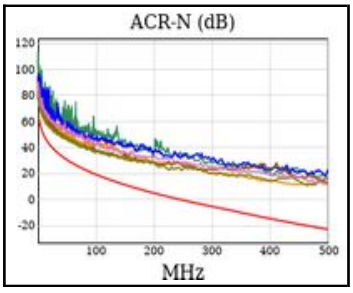


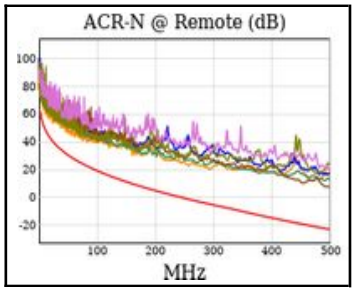


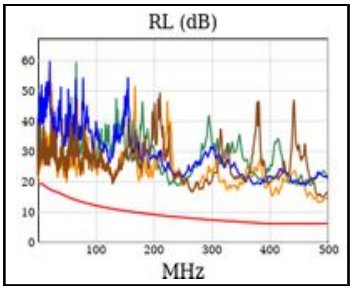


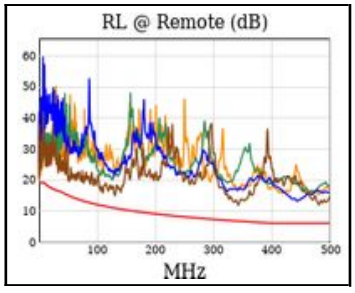












FLUKE networks

LinkWare Live

Cable ID: 171-A

Test Summary: PASS

Date / Time: 12/17/2022 12:04:14 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.5	5.9	7.8	7.3
Freq. (MHz)	217.0	165.0	464.0	500.0
Limit (dB)	34.2	36.2	27.0	26.1
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	5.3	7.4	7.9	9.4
Freq. (MHz)	217.5	165.0	459.0	500.0
Limit (dB)	31.2	33.3	24.2	23.2

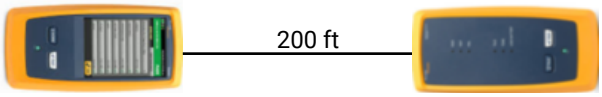
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	1,2-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	9.7	10.4	10.7
Freq. (MHz)	498.0	266.0	498.0	464.0
Limit (dB)	9.3	14.8	9.3	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	11.0	10.8	11.1
Freq. (MHz)	188.5	188.5	466.0	458.0
Limit (dB)	14.8	14.8	6.9	7.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	11.2	10.7	31.3	30.4
Freq. (MHz)	6.6	3.3	469.0	500.0
Limit (dB)	54.2	60.7	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	10.1	30.4	32.0
Freq. (MHz)	3.3	3.4	469.0	500.0
Limit (dB)	58.2	57.9	-23.6	-26.1

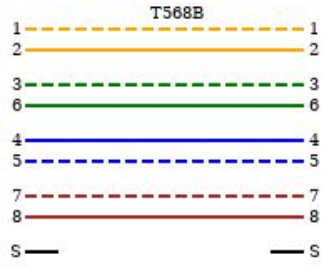
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.4	6.2	6.6	7.1
Freq. (MHz)	48.3	16.0	491.0	491.0
Limit (dB)	15.2	18.0	6.0	6.0

Compliant Network Standards:

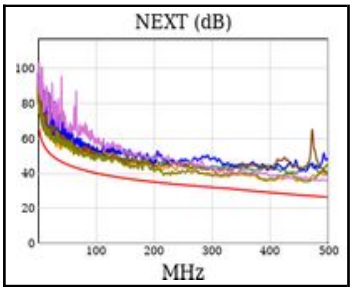
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

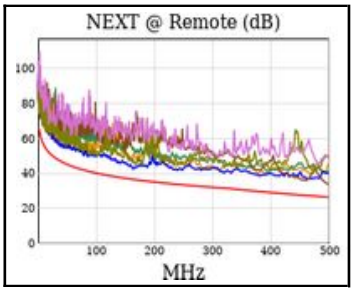


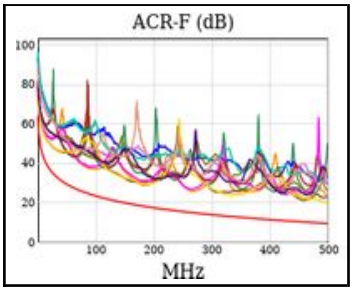
PASS

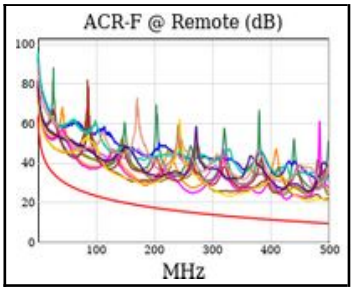


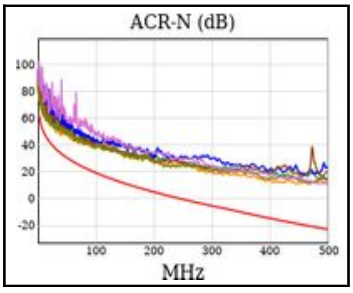


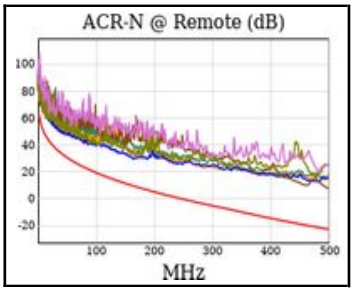


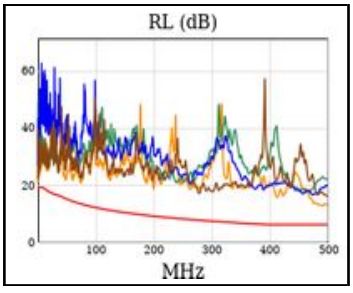


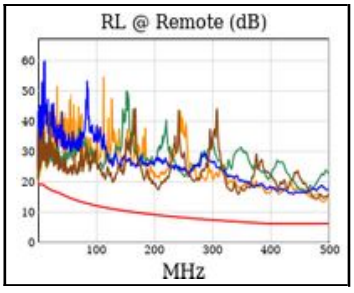












FLUKE networks

LinkWare Live

Cable ID: 171-B

Test Summary: PASS

Date / Time: 12/17/2022 12:04:40 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	199
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	22.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	5.6	8.7	7.4	8.7
Freq. (MHz)	397.0	500.0	463.0	500.0
Limit (dB)	28.8	26.1	27.0	26.1
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	5.5	8.1	7.8	9.8
Freq. (MHz)	166.5	3.3	458.0	472.0
Limit (dB)	33.2	62.0	24.2	23.9

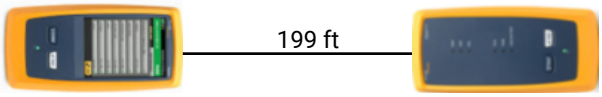
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.6	11.0	10.7	11.2
Freq. (MHz)	468.0	441.0	469.0	461.0
Limit (dB)	9.9	10.4	9.8	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.9	9.9	11.2
Freq. (MHz)	470.0	263.0	470.0	469.0
Limit (dB)	6.8	11.9	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.1	11.3	31.5	31.6
Freq. (MHz)	3.1	3.1	465.0	500.0
Limit (dB)	61.1	61.1	-20.4	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.9	10.0	30.8	33.5
Freq. (MHz)	3.1	3.3	467.0	500.0
Limit (dB)	58.3	58.2	-23.5	-26.1

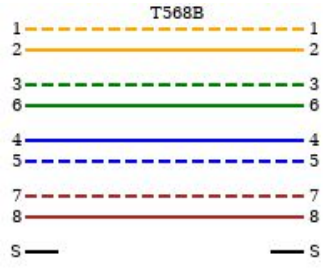
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.2	4.9	7.1	6.8
Freq. (MHz)	45.0	80.3	474.0	497.0
Limit (dB)	15.5	13.0	6.0	6.0

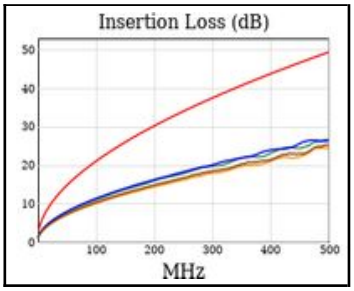
Compliant Network Standards:

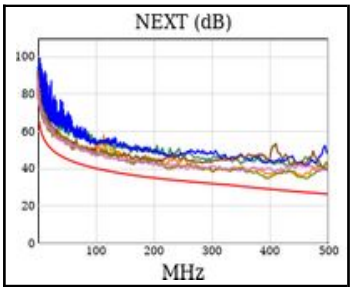
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

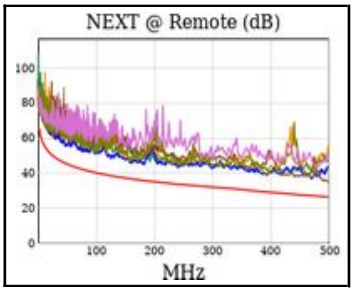


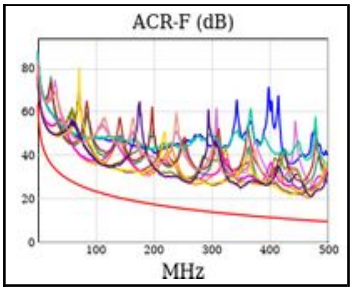
PASS

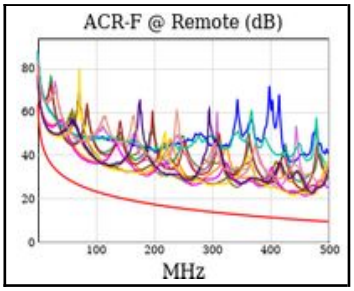


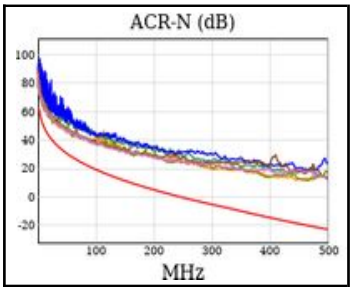


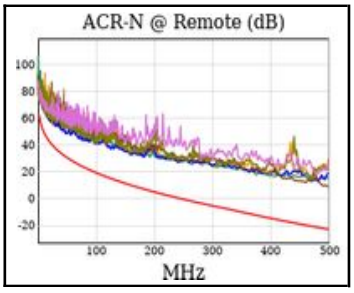


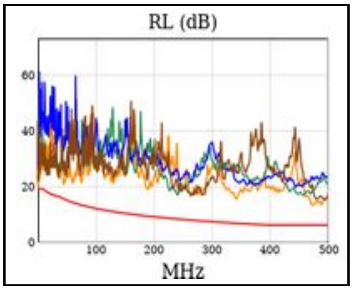


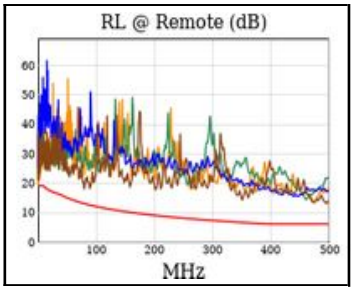












FLUKE networks

LinkWare Live

Cable ID: 201-A

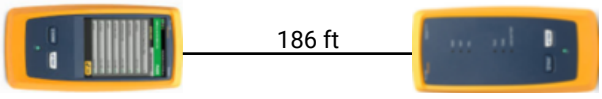
Test Summary: PASS

Date / Time: 11/26/2022 01:15:35 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

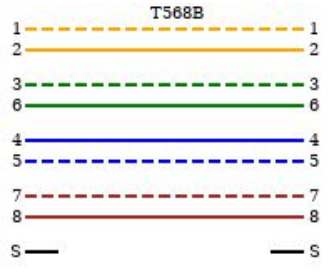
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

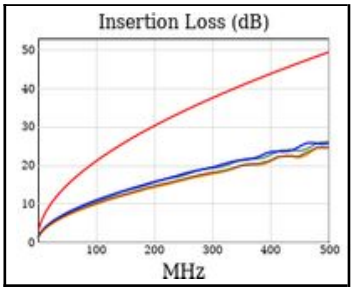
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

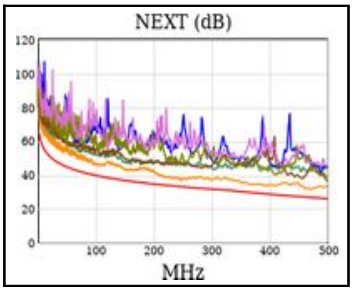
Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 3,6]	287
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 7,8]	11.2
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

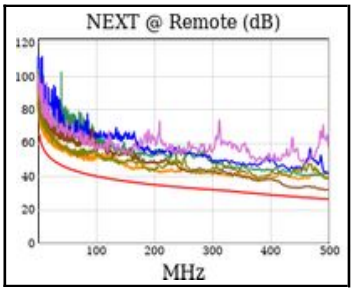


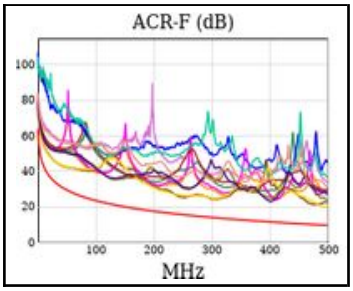
PASS

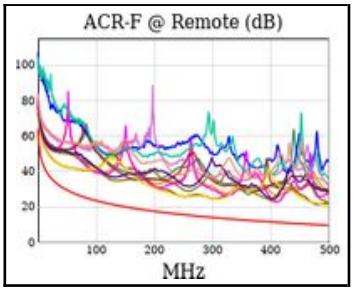


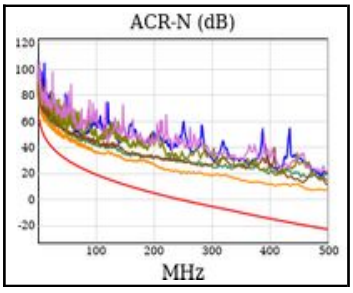


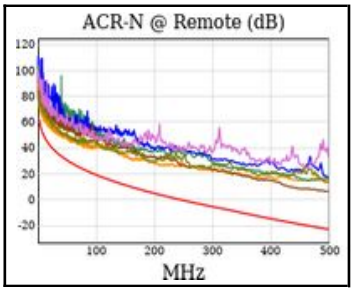


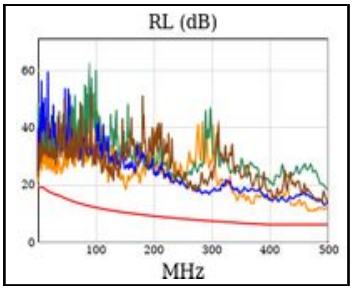


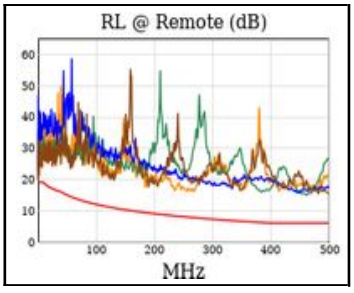












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.6	5.3	4.8	5.5
Freq. (MHz)	248.0	447.0	472.0	500.0
Limit (dB)	33.2	27.4	26.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.0	6.7	7.7	6.9
Freq. (MHz)	248.0	433.0	498.0	500.0
Limit (dB)	30.2	24.9	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	10.2	10.2	10.7
Freq. (MHz)	254.0	254.0	498.0	500.0
Limit (dB)	15.2	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	12.0	11.9
Freq. (MHz)	5.9	248.5	498.0	498.0
Limit (dB)	44.9	12.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	10.1	29.4	29.2
Freq. (MHz)	5.5	5.5	494.0	500.0
Limit (dB)	56.0	56.0	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	10.9	30.8	30.2
Freq. (MHz)	5.4	3.9	498.0	500.0
Limit (dB)	53.7	56.7	-25.9	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	3,6
RL (dB)	4.6	7.1	4.6	8.9
Freq. (MHz)	473.0	15.3	473.0	463.0
Limit (dB)	6.0	18.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 202-A

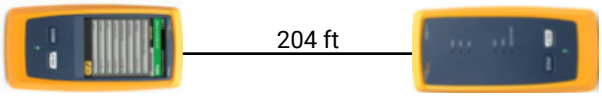
Test Summary: PASS

Date / Time: 11/26/2022 05:02:08 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

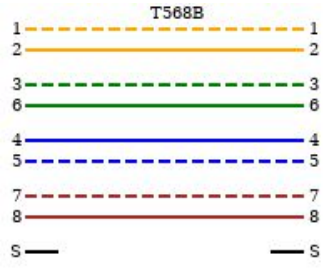
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

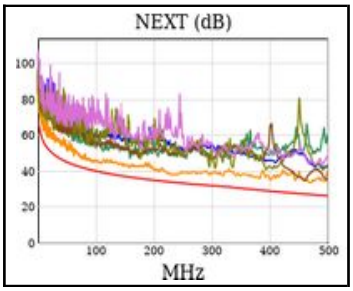
Length (ft), Limit 328	[Pair 7,8]	204
Prop. Delay (ns), Limit 555	[Pair 4,5]	318
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	21.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

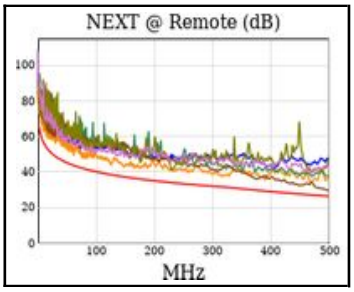


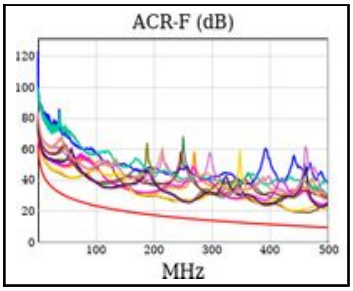
PASS

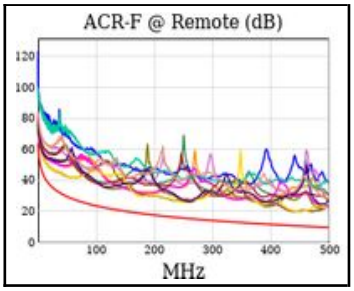


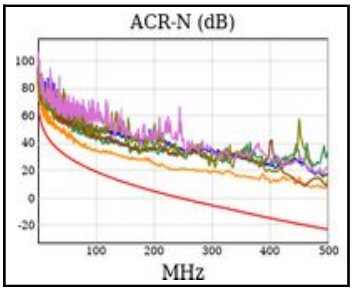


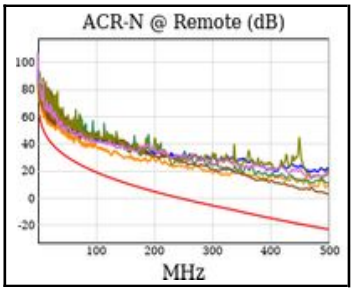


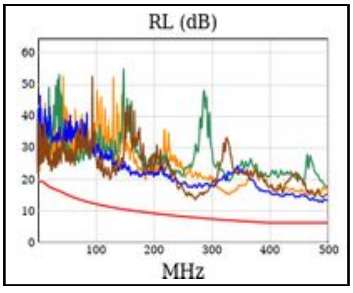


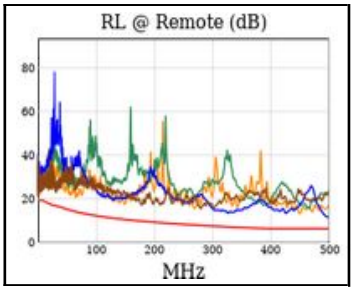












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.9	3.2	6.5	3.3
Freq. (MHz)	233.5	497.0	469.0	498.0
Limit (dB)	33.6	26.2	26.9	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.4	4.9	8.1	4.9
Freq. (MHz)	233.5	497.0	497.0	497.0
Limit (dB)	30.7	23.3	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	8.9	9.2	8.9	9.3
Freq. (MHz)	465.0	439.0	465.0	454.0
Limit (dB)	9.9	10.4	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.1	11.8	10.2
Freq. (MHz)	7.3	483.0	495.0	486.0
Limit (dB)	43.1	6.6	6.4	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.9	9.3	29.4	26.0
Freq. (MHz)	10.0	10.0	496.0	499.0
Limit (dB)	50.1	50.1	-22.9	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	10.7	29.8	26.6
Freq. (MHz)	3.3	3.3	497.0	497.0
Limit (dB)	58.2	58.2	-25.8	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	4,5
RL (dB)	5.2	5.1	6.5	5.3
Freq. (MHz)	24.0	10.6	491.0	499.0
Limit (dB)	17.1	18.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

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Cable ID: 202-B

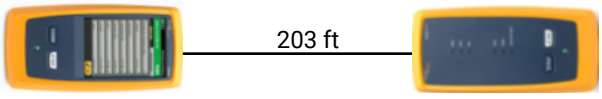
Test Summary: PASS

Date / Time: 11/26/2022 05:13:07 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF3

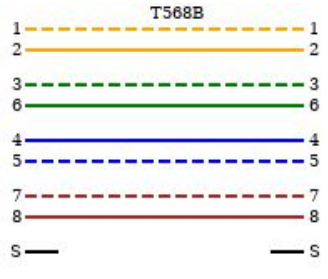
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

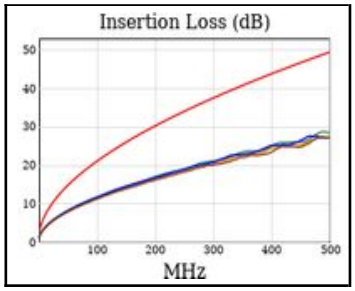
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

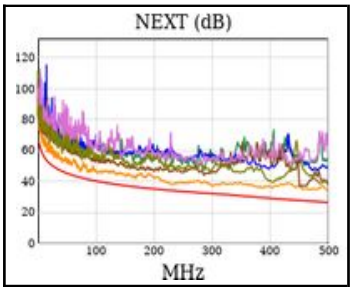
Length (ft), Limit 328	[Pair 7,8]	203
Prop. Delay (ns), Limit 555	[Pair 4,5]	317
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	11.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

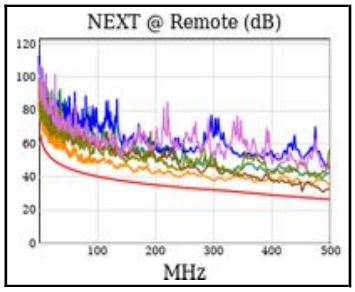


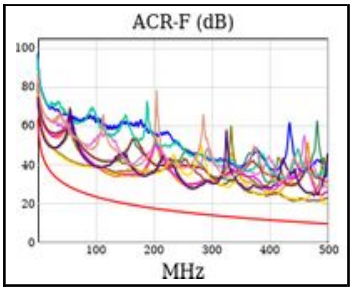
PASS

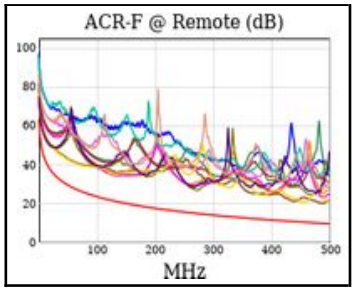


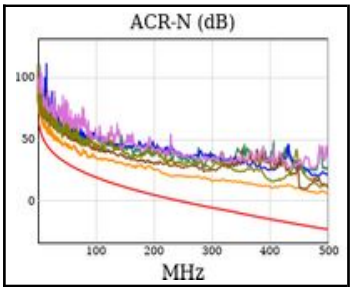


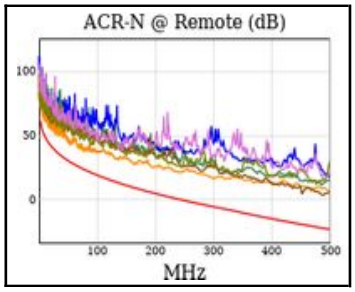


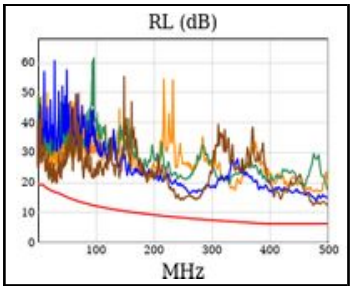


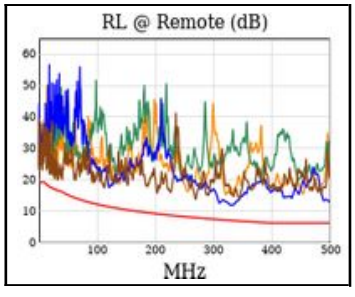












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.8	3.6	7.9	4.2
Freq. (MHz)	72.8	453.0	499.0	490.0
Limit (dB)	42.3	27.3	26.1	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	5.3	8.7	6.0
Freq. (MHz)	72.8	453.0	500.0	490.0
Limit (dB)	39.5	24.4	23.2	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.2	10.0	10.4
Freq. (MHz)	500.0	484.0	500.0	491.0
Limit (dB)	9.3	9.6	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.0	11.9	11.3
Freq. (MHz)	7.0	7.0	498.0	486.0
Limit (dB)	43.4	43.4	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	10.3	28.7	25.8
Freq. (MHz)	8.4	3.4	499.0	490.0
Limit (dB)	51.9	60.4	-23.1	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	11.1	29.6	26.2
Freq. (MHz)	3.3	3.4	500.0	490.0
Limit (dB)	58.2	57.9	-26.1	-25.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	4,5
RL (dB)	2.7	3.1	6.1	4.8
Freq. (MHz)	25.4	32.3	500.0	331.0
Limit (dB)	17.0	16.5	6.0	6.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 171-B-2

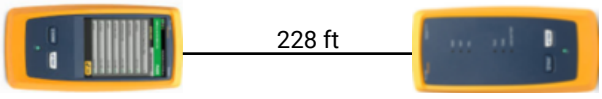
Test Summary: PASS

Date / Time: 12/11/2022 04:45:48 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

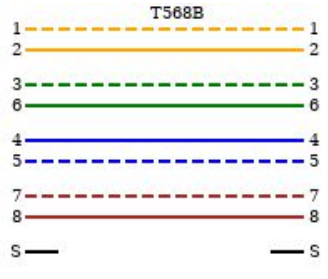
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	228
Prop. Delay (ns), Limit 555	[Pair 4,5]	355
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	15.6
Insertion Loss Margin (dB)	[Pair 3,6]	19.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

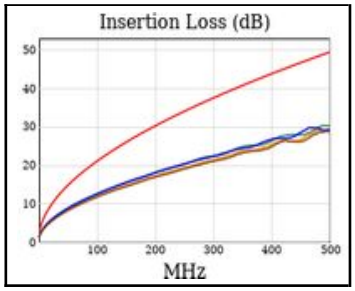


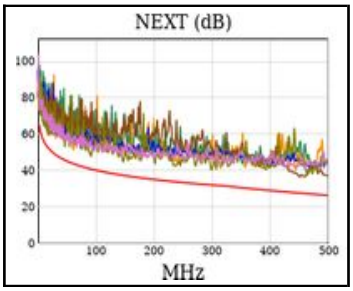
PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.7	3.5	8.7	5.5
Freq. (MHz)	18.0	235.0	452.0	486.0
Limit (dB)	52.4	33.6	27.3	26.4
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	6.7	5.7	10.3	7.4
Freq. (MHz)	18.1	235.5	464.0	486.0
Limit (dB)	49.7	30.6	24.1	23.6

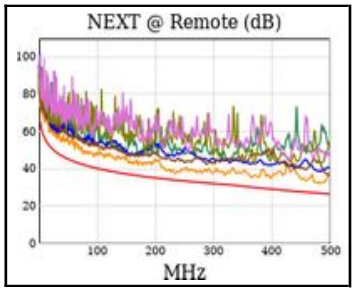
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.8	9.6	10.0
Freq. (MHz)	450.0	436.0	450.0	465.0
Limit (dB)	10.2	10.5	10.2	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	11.0	10.4	11.0
Freq. (MHz)	429.0	465.0	429.0	465.0
Limit (dB)	7.6	6.9	7.6	6.9

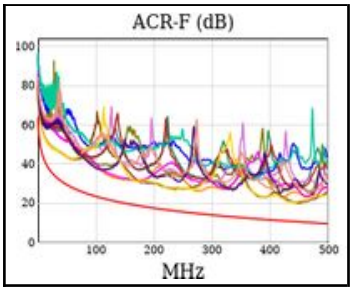
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.2	9.0	27.2	23.9
Freq. (MHz)	2.9	2.9	461.0	486.0
Limit (dB)	61.4	61.4	-20.1	-22.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.7	10.2	31.3	26.4
Freq. (MHz)	2.9	2.9	500.0	492.0
Limit (dB)	58.4	58.4	-26.1	-25.5

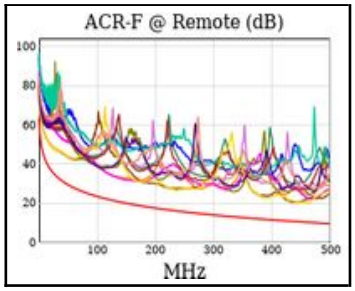
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	4,5	1,2
RL (dB)	6.3	4.2	6.9	6.3
Freq. (MHz)	62.0	6.3	481.0	484.0
Limit (dB)	14.1	19.0	6.0	6.0

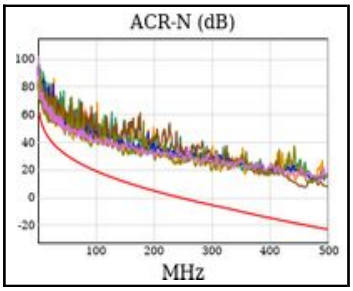


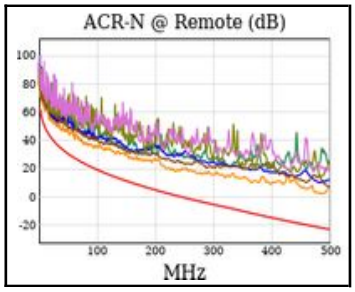


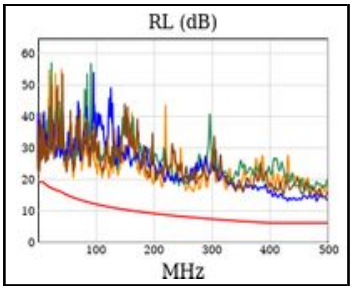


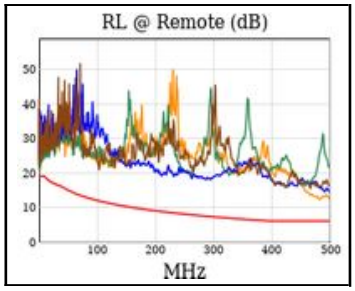












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 172-A-2

Test Summary: PASS

Date / Time: 12/11/2022 04:46:30 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	251
Prop. Delay (ns), Limit 555	[Pair 4,5]	390
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	11.6
Insertion Loss Margin (dB)	[Pair 3,6]	15.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	3.8	8.2	5.3
Freq. (MHz)	321.0	325.0	500.0	494.0
Limit (dB)	31.2	31.1	26.1	26.2
Worst Pair	3,6	1,2	4,5	3,6
PS NEXT (dB)	7.7	6.0	9.7	7.0
Freq. (MHz)	8.0	325.0	500.0	494.0
Limit (dB)	55.6	28.2	23.2	23.4

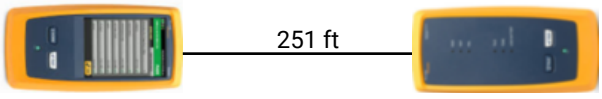
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.1	10.0	12.0	10.1
Freq. (MHz)	380.0	371.0	474.0	374.0
Limit (dB)	11.7	11.9	9.7	11.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.3	12.6	12.3
Freq. (MHz)	3.1	3.1	478.0	404.0
Limit (dB)	50.4	50.4	6.7	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.9	9.6	25.2	21.2
Freq. (MHz)	8.1	16.4	500.0	494.0
Limit (dB)	52.2	44.8	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	10.6	26.4	23.0
Freq. (MHz)	2.5	5.1	500.0	494.0
Limit (dB)	58.7	54.1	-26.1	-25.6

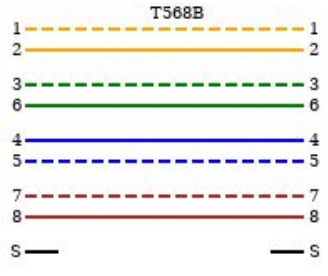
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	1,2
RL (dB)	5.2	4.8	8.0	5.6
Freq. (MHz)	8.6	8.8	500.0	493.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

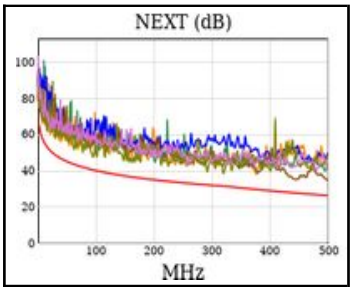
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

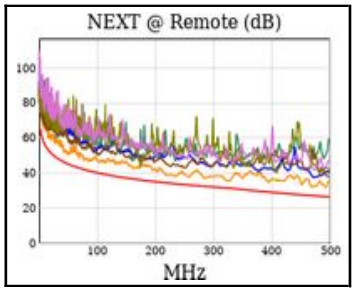


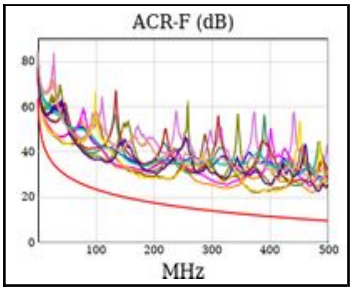
PASS

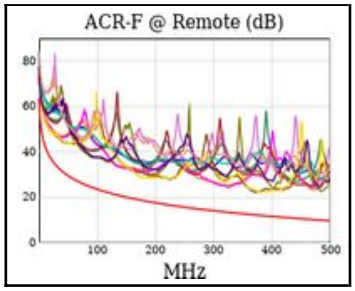


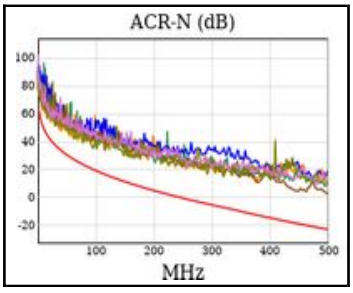


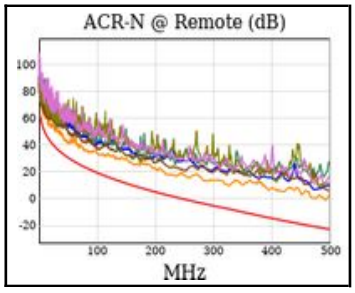


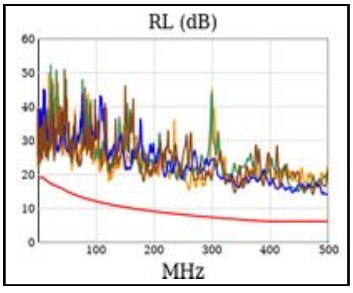


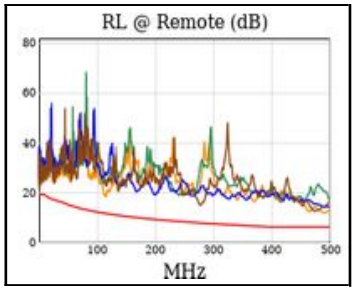












FLUKE networks

LinkWare Live

Cable ID: 172-B-2

Test Summary: PASS

Date / Time: 12/11/2022 04:48:33 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ROSE HILL MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	250
Prop. Delay (ns), Limit 555	[Pair 4,5]	387
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.5
Insertion Loss Margin (dB)	[Pair 3,6]	16.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	3.6	6.0	3.7
Freq. (MHz)	499.0	465.0	499.0	466.0
Limit (dB)	26.1	27.0	26.1	26.9
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	7.0	5.6	7.3	5.6
Freq. (MHz)	226.0	465.0	498.0	465.0
Limit (dB)	30.9	24.1	23.3	24.1

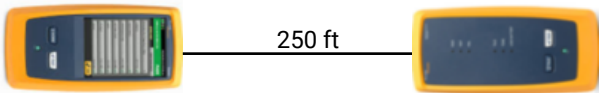
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.5	9.8	9.5
Freq. (MHz)	380.0	386.0	380.0	386.0
Limit (dB)	11.7	11.5	11.7	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	11.5	10.5	13.6
Freq. (MHz)	412.0	196.5	412.0	487.0
Limit (dB)	8.0	14.4	8.0	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.8	10.5	23.4	20.2
Freq. (MHz)	7.8	5.1	500.0	466.0
Limit (dB)	52.7	56.6	-23.2	-20.5
Worst Pair	3,6	1,2	4,5	3,6
PS ACR-N (dB)	11.8	11.6	24.9	22.3
Freq. (MHz)	7.9	8.1	500.0	466.0
Limit (dB)	50.0	49.6	-26.1	-23.4

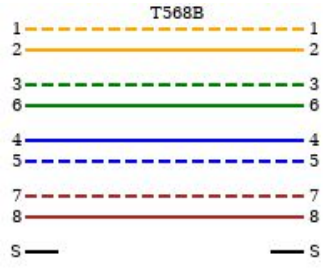
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	4,5	1,2
RL (dB)	6.0	3.8	7.3	5.6
Freq. (MHz)	18.1	25.9	485.0	474.0
Limit (dB)	17.7	16.9	6.0	6.0

Compliant Network Standards:

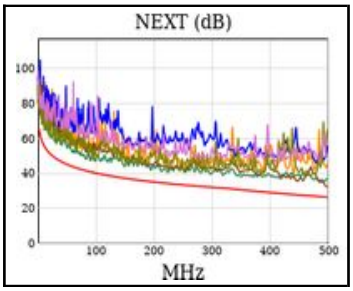
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

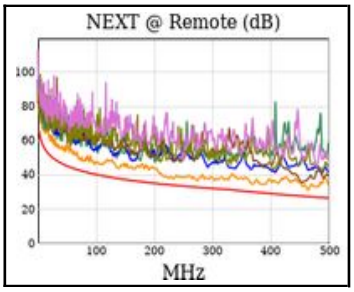


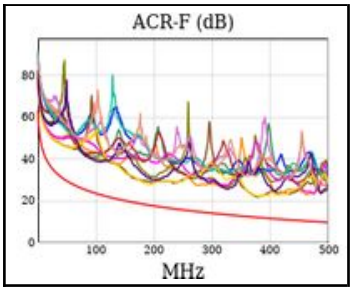
PASS

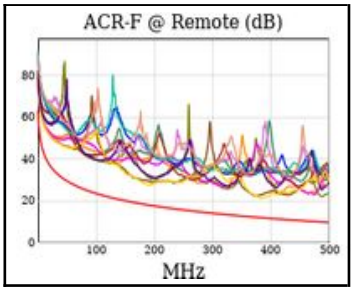


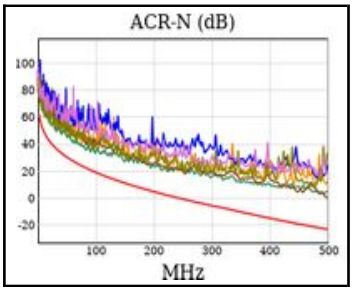


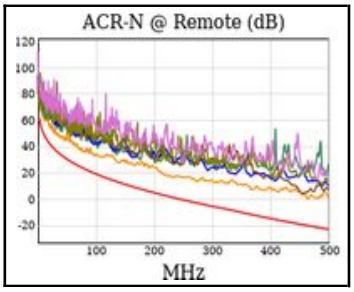


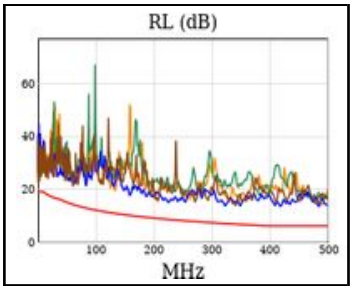


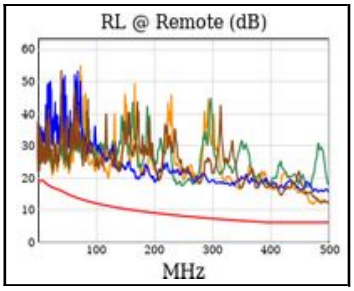












FLUKE networks

LinkWare Live

Cable ID: 171-B

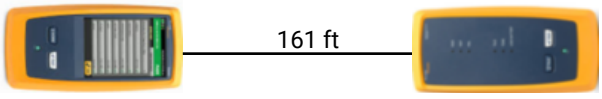
Test Summary: PASS

Date / Time: 12/10/2022 01:56:30 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MDF

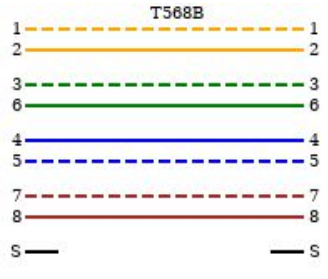
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

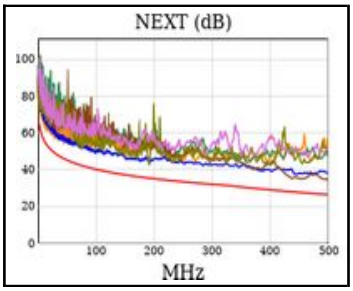
Length (ft), Limit 328	[Pair 1,2]	161
Prop. Delay (ns), Limit 555	[Pair 4,5]	254
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

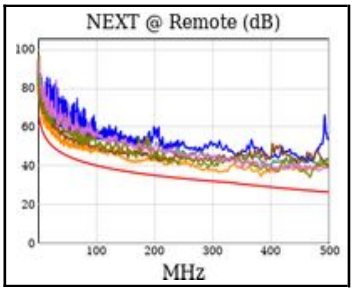


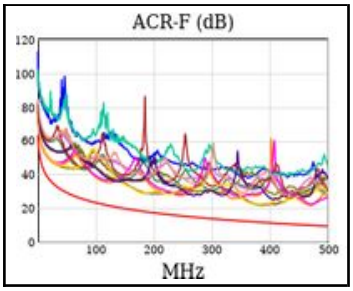
PASS

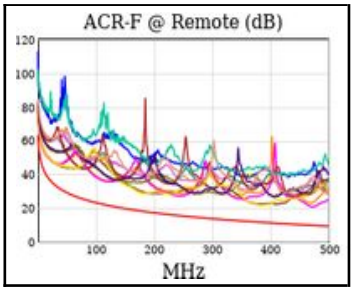


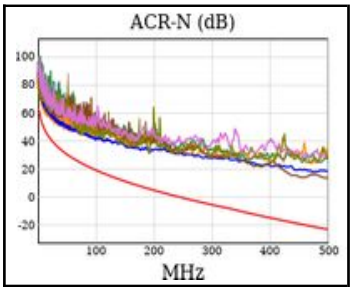


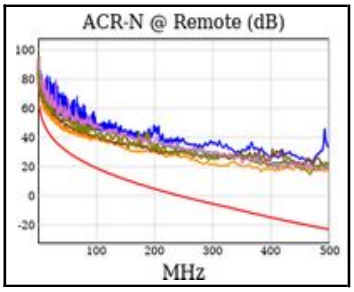


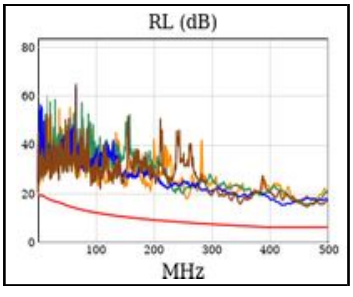


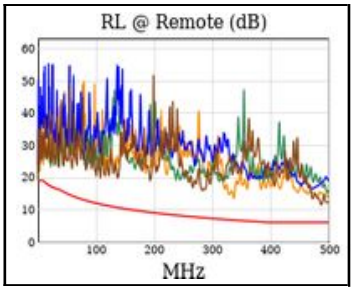












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.9	4.1	7.7	6.8
Freq. (MHz)	192.5	45.8	500.0	468.0
Limit (dB)	35.1	45.7	26.1	26.9
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	7.7	5.2	10.3	8.2
Freq. (MHz)	192.5	294.0	500.0	469.0
Limit (dB)	32.1	28.9	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.2	10.0	11.7	10.9
Freq. (MHz)	387.0	384.0	472.0	472.0
Limit (dB)	11.5	11.6	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	13.2	12.6
Freq. (MHz)	9.6	9.0	468.0	471.0
Limit (dB)	40.6	41.2	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	10.8	9.1	35.9	35.3
Freq. (MHz)	4.3	10.6	500.0	469.0
Limit (dB)	58.3	49.5	-23.2	-20.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.5	9.2	37.8	35.2
Freq. (MHz)	4.1	4.0	500.0	469.0
Limit (dB)	56.1	56.4	-26.1	-23.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	8.1	5.4	8.1	5.4
Freq. (MHz)	465.0	487.0	465.0	487.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 19-A

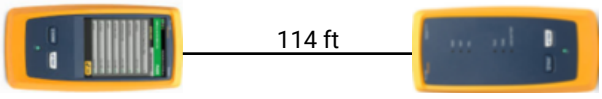
Test Summary: PASS

Date / Time: 12/18/2022 01:24:35 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

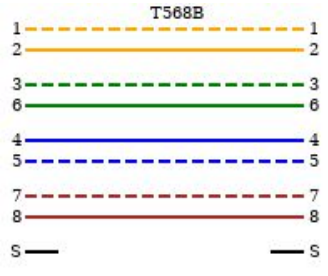
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

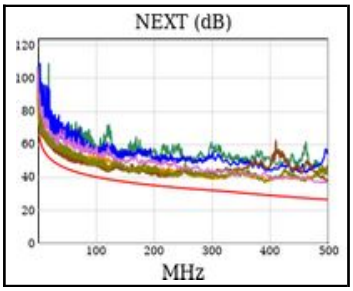
Length (ft), Limit 328	[Pair 1,2]	114
Prop. Delay (ns), Limit 555	[Pair 4,5]	181
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	33.0
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

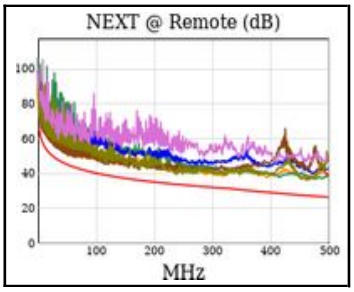


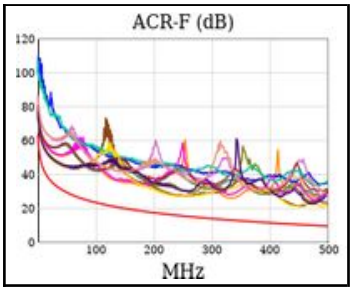
PASS

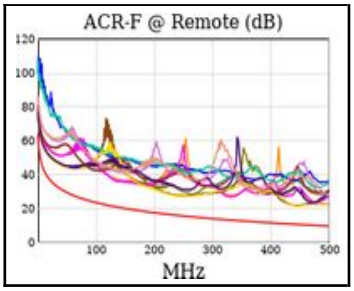


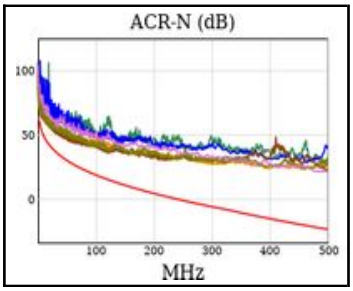


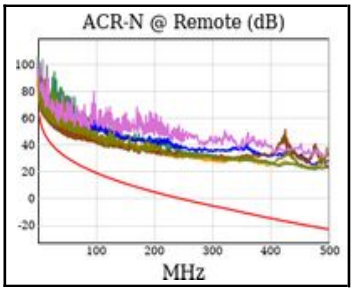


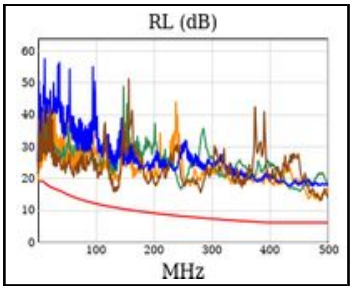


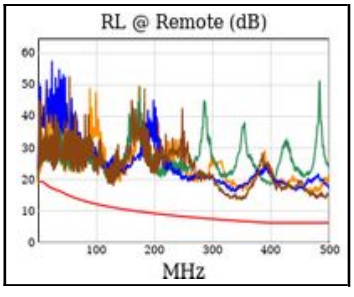












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-7,8
NEXT (dB)	4.3	5.0	10.0	8.5
Freq. (MHz)	120.0	52.0	496.0	461.0
Limit (dB)	38.6	44.7	26.2	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	4.0	5.2	9.8	8.4
Freq. (MHz)	120.0	6.0	500.0	461.0
Limit (dB)	35.7	57.7	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	10.8	11.1	10.9
Freq. (MHz)	451.0	447.0	490.0	451.0
Limit (dB)	10.2	10.3	9.5	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	11.3	12.1	11.3
Freq. (MHz)	473.0	479.0	492.0	479.0
Limit (dB)	6.8	6.7	6.4	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	1,2-4,5
ACR-N (dB)	7.9	7.6	44.1	42.7
Freq. (MHz)	2.9	3.0	496.0	478.0
Limit (dB)	61.4	61.4	-22.9	-21.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.7	8.0	44.0	41.3
Freq. (MHz)	5.9	3.0	500.0	464.0
Limit (dB)	52.8	58.4	-26.1	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.9	5.9	6.7	6.7
Freq. (MHz)	134.0	27.5	487.0	352.0
Limit (dB)	10.7	16.8	6.0	6.5

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 19-B

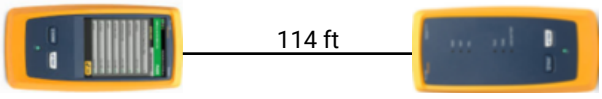
Test Summary: PASS

Date / Time: 12/18/2022 01:23:23 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

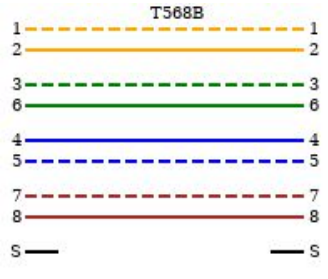
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	114
Prop. Delay (ns), Limit 555	[Pair 4,5]	180
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 7,8]	12.1
Insertion Loss Margin (dB)	[Pair 3,6]	33.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

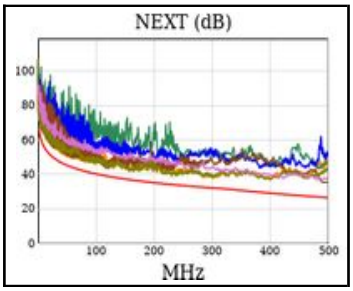


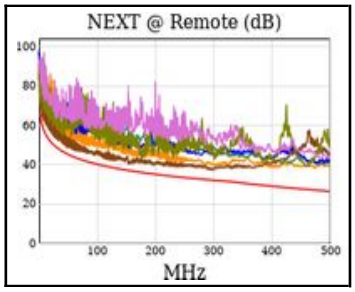
PASS



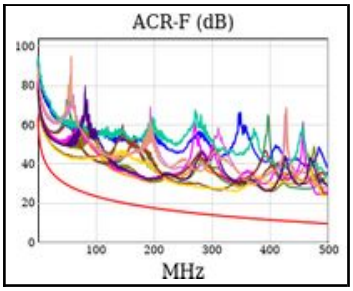


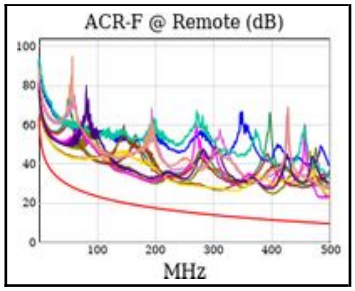
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.1	3.0	8.6	5.1
Freq. (MHz)	117.5	154.5	500.0	301.0
Limit (dB)	38.7	36.7	26.1	31.7
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	2.9	4.1	9.1	5.8
Freq. (MHz)	120.5	3.1	495.0	302.0
Limit (dB)	35.7	62.0	23.3	28.7



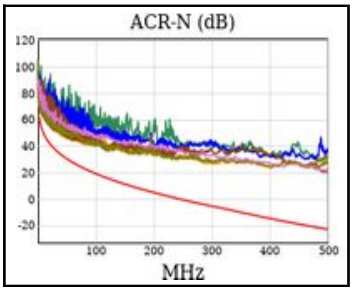


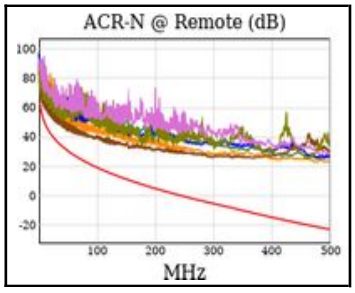
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	7,8-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	12.7	12.4	13.7	12.7
Freq. (MHz)	194.0	204.0	500.0	495.0
Limit (dB)	17.5	17.1	9.3	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.0	12.6	14.0	12.8
Freq. (MHz)	193.5	194.0	499.0	495.0
Limit (dB)	14.5	14.5	6.3	6.4



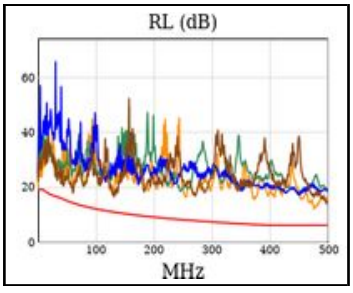


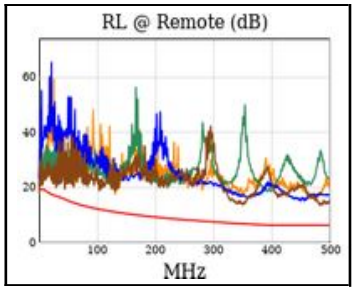
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	8.2	6.6	42.9	43.4
Freq. (MHz)	2.9	3.0	500.0	475.0
Limit (dB)	61.4	61.4	-23.2	-21.2
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-N (dB)	6.9	6.6	42.8	44.4
Freq. (MHz)	2.9	3.1	491.0	477.0
Limit (dB)	58.4	58.3	-25.4	-24.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	3.6	3.1	5.7	7.2
Freq. (MHz)	61.5	30.5	477.0	488.0
Limit (dB)	14.1	16.6	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 19-A

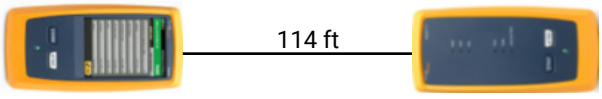
Test Summary: PASS

Date / Time: 12/18/2022 11:41:02 AM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

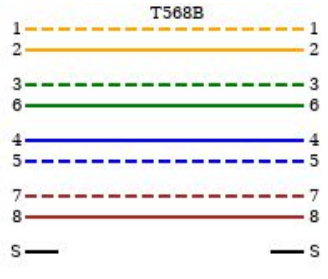
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

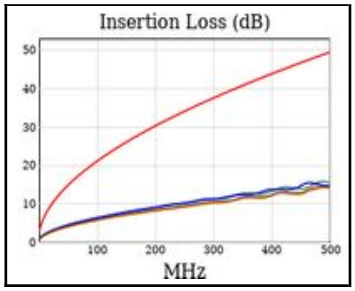
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

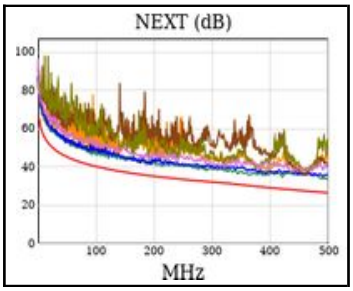
Length (ft), Limit 328	[Pair 1,2]	114
Prop. Delay (ns), Limit 555	[Pair 4,5]	181
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	5.6
Insertion Loss Margin (dB)	[Pair 3,6]	33.2
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

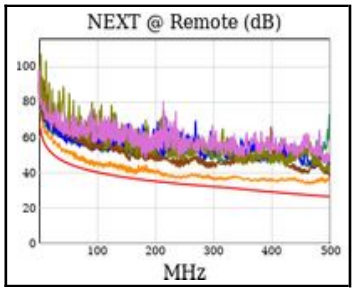


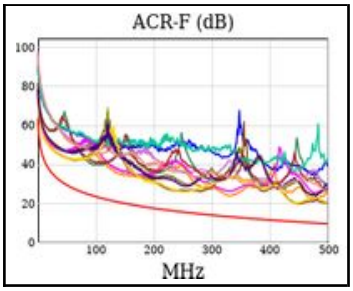
PASS

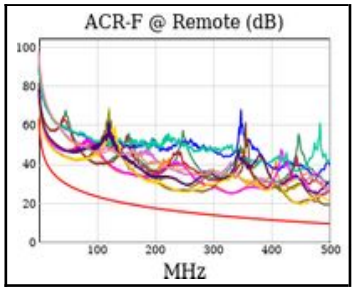


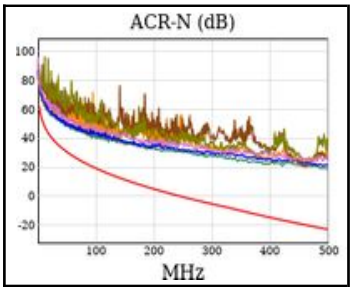


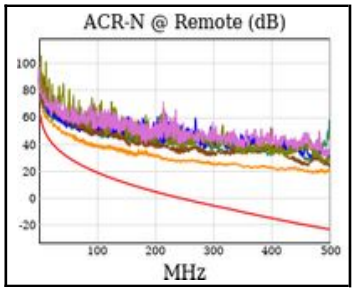


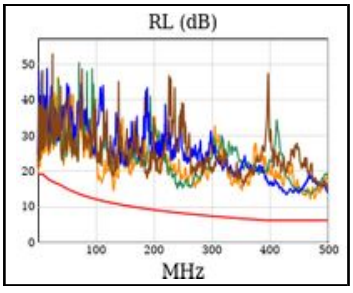


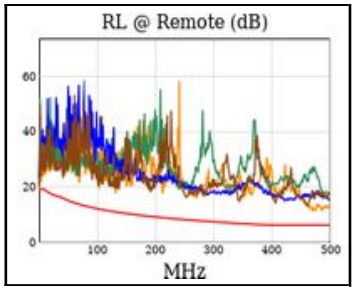












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	5.3	2.5	6.9	6.1
Freq. (MHz)	365.0	167.5	500.0	467.0
Limit (dB)	29.8	36.1	26.1	26.9
Worst Pair	1,2	3,6	1,2	3,6
PS NEXT (dB)	5.1	4.8	7.5	7.9
Freq. (MHz)	93.8	167.5	500.0	464.0
Limit (dB)	37.6	33.2	23.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.2	8.9	9.2	9.5
Freq. (MHz)	451.0	451.0	451.0	500.0
Limit (dB)	10.2	10.2	10.2	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.6	11.1	10.6
Freq. (MHz)	480.0	493.0	480.0	493.0
Limit (dB)	6.6	6.4	6.6	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	1,2-3,6
ACR-N (dB)	12.3	10.7	41.5	39.3
Freq. (MHz)	7.8	7.8	500.0	480.0
Limit (dB)	52.7	52.7	-23.2	-21.6
Worst Pair	1,2	1,2	4,5	3,6
PS ACR-N (dB)	11.9	12.1	39.2	42.6
Freq. (MHz)	3.5	3.6	464.0	493.0
Limit (dB)	57.6	57.3	-23.2	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.6	4.9	5.8	4.9
Freq. (MHz)	131.5	471.0	477.0	471.0
Limit (dB)	10.8	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 19-B

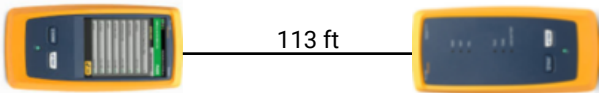
Test Summary: PASS

Date / Time: 12/18/2022 11:41:29 AM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

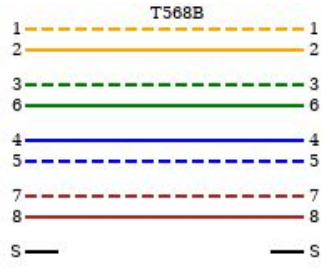
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

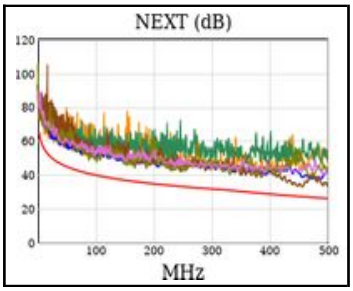
Length (ft), Limit 328	[Pair 1,2]	113
Prop. Delay (ns), Limit 555	[Pair 4,5]	179
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	5.6
Insertion Loss Margin (dB)	[Pair 3,6]	33.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

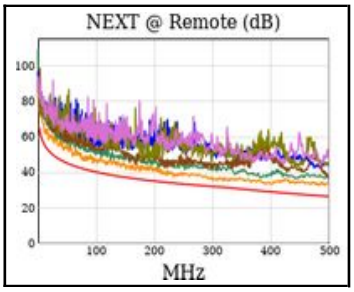


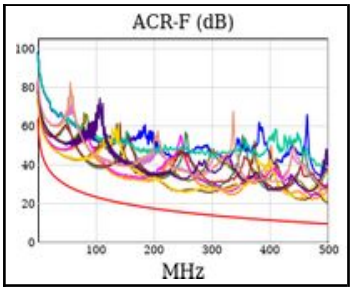
PASS

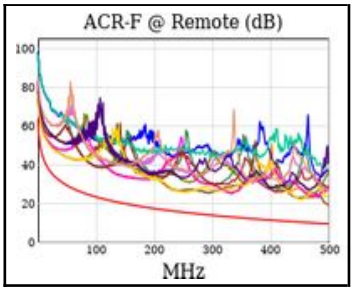


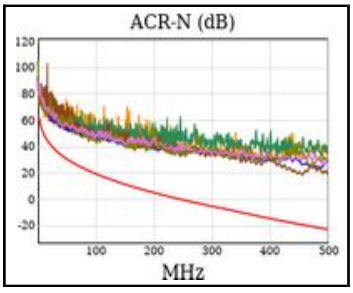


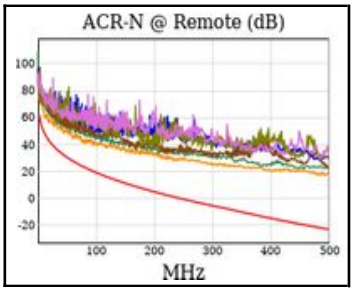


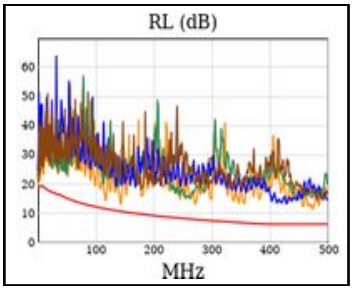


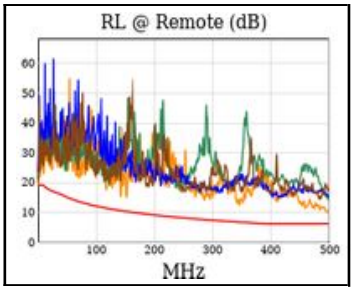












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.6	3.1	5.6	5.9
Freq. (MHz)	456.0	301.0	456.0	494.0
Limit (dB)	27.2	31.7	27.2	26.2
Worst Pair	4,5	1,2	4,5	1,2
PS NEXT (dB)	8.0	5.1	9.1	7.3
Freq. (MHz)	456.0	301.0	500.0	494.0
Limit (dB)	24.3	28.7	23.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.8	10.5	9.8
Freq. (MHz)	255.0	500.0	500.0	500.0
Limit (dB)	15.1	9.3	9.3	9.3
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	12.1	12.1	12.1	12.1
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	6.3	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.8	12.0	37.6	39.3
Freq. (MHz)	3.5	12.6	456.0	494.0
Limit (dB)	60.1	47.7	-19.7	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.7	12.6	43.3	41.5
Freq. (MHz)	3.1	3.3	500.0	495.0
Limit (dB)	58.3	58.2	-26.1	-25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	2.3	3.7	5.0	3.7
Freq. (MHz)	143.5	498.0	476.0	498.0
Limit (dB)	10.4	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 201-A

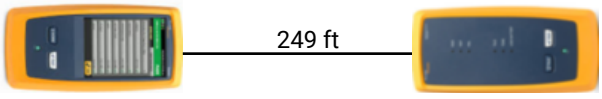
Test Summary: PASS

Date / Time: 12/10/2022 05:30:17 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

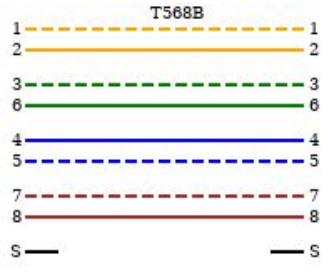
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

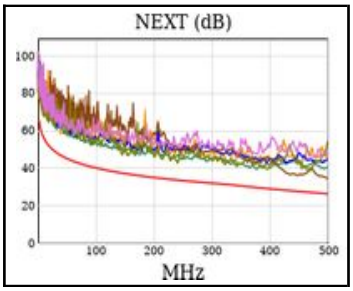
Length (ft), Limit 328	[Pair 1,2]	249
Prop. Delay (ns), Limit 555	[Pair 4,5]	394
Delay Skew (ns), Limit 50	[Pair 4,5]	23
Resistance (ohms)	[Pair 4,5]	11.2
Insertion Loss Margin (dB)	[Pair 4,5]	16.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

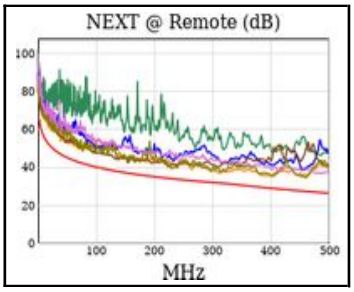


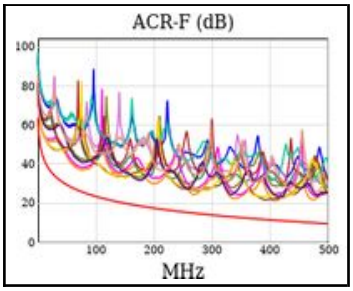
PASS

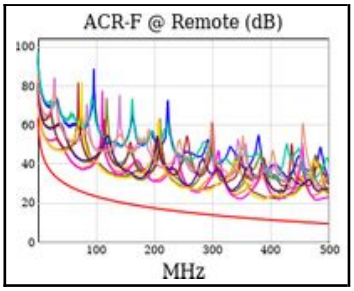


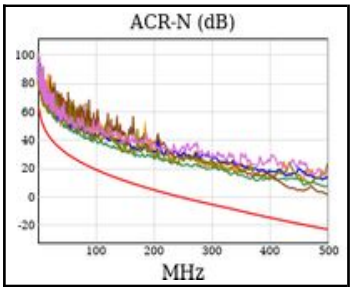


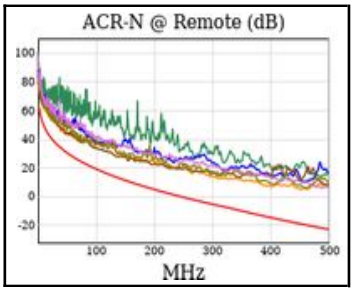


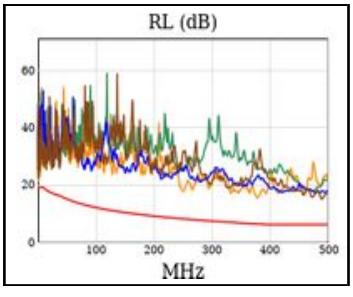


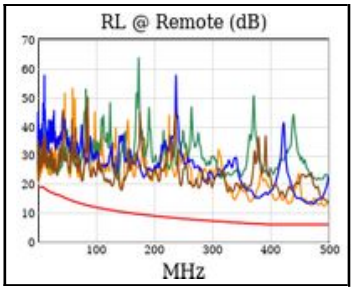












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	8.0	5.2	8.0	7.0
Freq. (MHz)	500.0	311.0	500.0	461.0
Limit (dB)	26.1	31.5	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	9.6	4.6	9.7	7.4
Freq. (MHz)	456.0	315.0	500.0	461.0
Limit (dB)	24.3	28.4	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.5	9.6	10.0	11.7
Freq. (MHz)	338.0	349.0	409.0	482.0
Limit (dB)	12.7	12.4	11.0	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.4	9.6	10.5
Freq. (MHz)	415.0	412.0	415.0	415.0
Limit (dB)	7.9	8.0	7.9	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.9	9.9	24.4	24.0
Freq. (MHz)	6.8	6.8	500.0	454.0
Limit (dB)	54.0	54.0	-23.2	-19.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	13.6	9.8	26.1	24.0
Freq. (MHz)	5.3	5.0	500.0	461.0
Limit (dB)	53.9	54.3	-26.1	-23.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	7.0	5.0	8.9	6.4
Freq. (MHz)	11.4	7.4	491.0	493.0
Limit (dB)	18.7	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 201-B

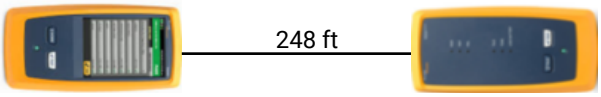
Test Summary: PASS

Date / Time: 12/10/2022 05:31:06 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

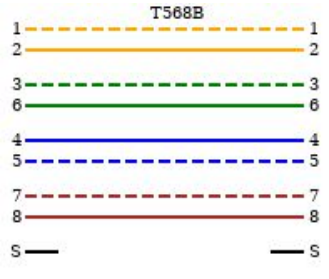
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

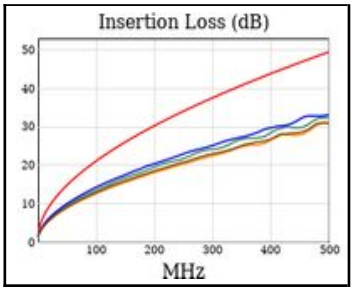
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

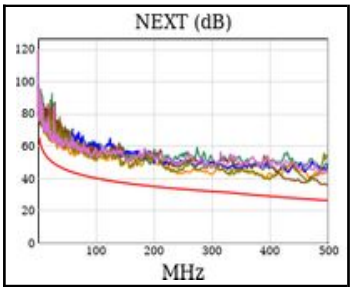
Length (ft), Limit 328	[Pair 1,2]	248
Prop. Delay (ns), Limit 555	[Pair 4,5]	394
Delay Skew (ns), Limit 50	[Pair 4,5]	24
Resistance (ohms)	[Pair 4,5]	11.2
Insertion Loss Margin (dB)	[Pair 4,5]	16.2
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

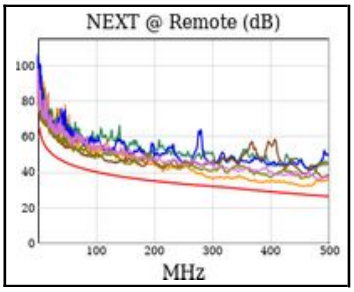


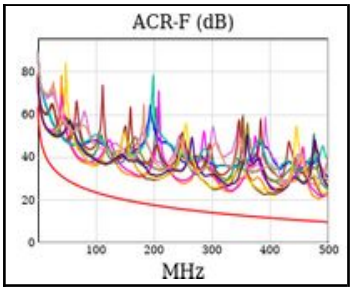
PASS

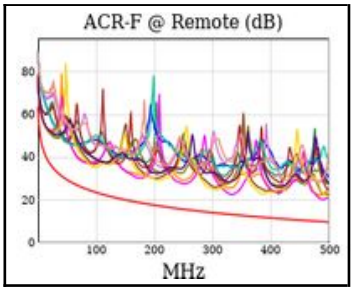


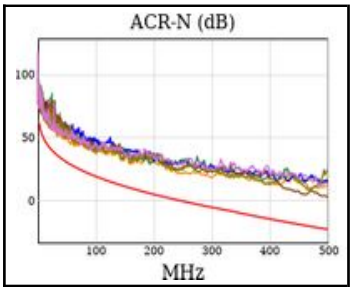


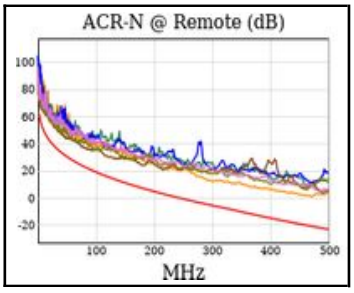


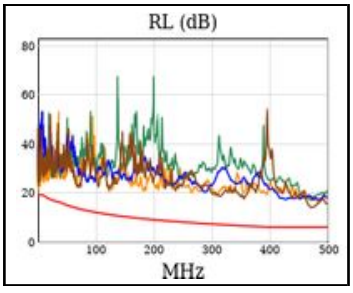


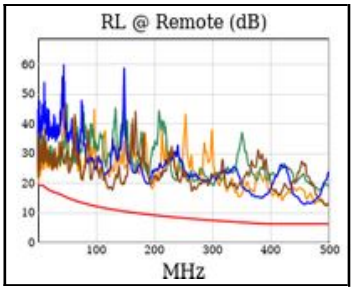












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	9.1	4.1	9.3	4.7
Freq. (MHz)	241.5	302.0	500.0	460.0
Limit (dB)	33.4	31.7	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.1	5.6	9.9	5.7
Freq. (MHz)	242.0	453.0	467.0	459.0
Limit (dB)	30.4	24.4	24.0	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.6	9.4	10.6	10.4
Freq. (MHz)	484.0	335.0	484.0	491.0
Limit (dB)	9.6	12.8	9.6	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.5	12.2	11.3
Freq. (MHz)	407.0	331.0	495.0	495.0
Limit (dB)	8.1	9.9	6.4	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	8.8	25.5	21.9
Freq. (MHz)	2.5	3.6	500.0	471.0
Limit (dB)	61.7	59.8	-23.2	-20.9
Worst Pair	3,6	4,5	4,5	3,6
PS ACR-N (dB)	11.9	10.0	27.6	23.8
Freq. (MHz)	2.6	3.6	500.0	473.0
Limit (dB)	58.6	57.3	-26.1	-24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.3	5.0	7.8	6.2
Freq. (MHz)	11.5	6.1	472.0	497.0
Limit (dB)	18.7	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 202-A

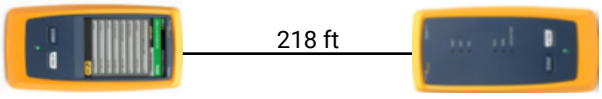
Test Summary: PASS

Date / Time: 12/10/2022 05:33:06 PM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

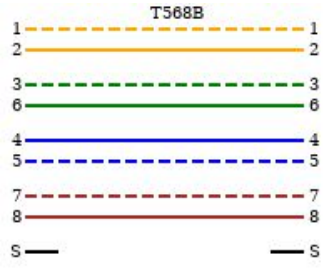
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

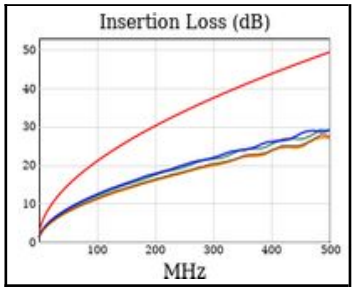
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

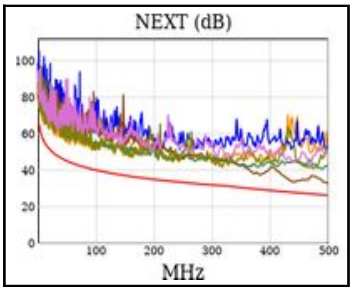
Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	345
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.9
Insertion Loss Margin (dB)	[Pair 3,6]	20.2
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

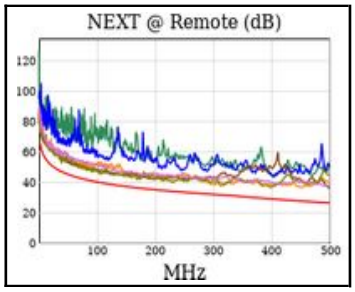


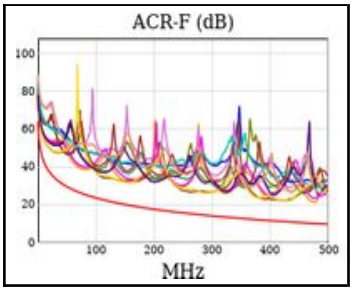
PASS

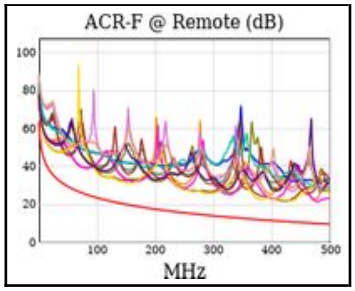


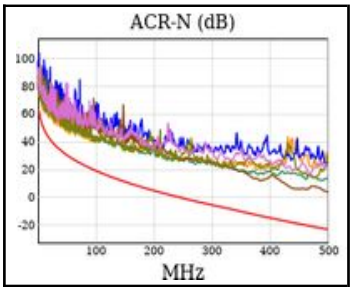


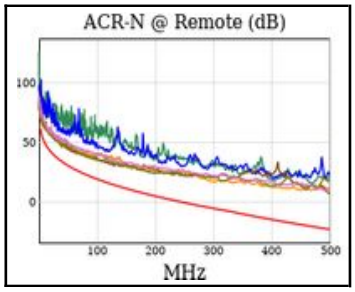


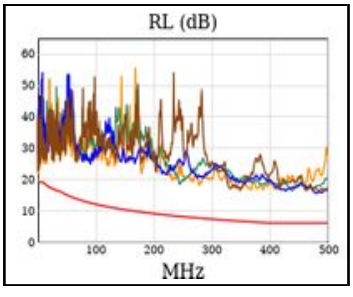


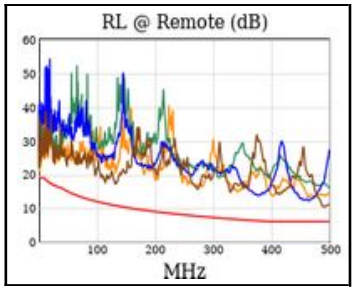












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	5.9	5.4	6.2	9.5
Freq. (MHz)	442.0	169.0	500.0	500.0
Limit (dB)	27.6	36.0	26.1	26.1
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	8.1	5.3	8.5	9.1
Freq. (MHz)	441.0	172.5	500.0	460.0
Limit (dB)	24.7	33.0	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	10.8	10.6	11.2	11.6
Freq. (MHz)	424.0	424.0	479.0	480.0
Limit (dB)	10.7	10.7	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	10.9	11.3	11.0
Freq. (MHz)	1.9	3.6	402.0	412.0
Limit (dB)	54.8	49.1	8.2	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.5	9.6	26.4	29.7
Freq. (MHz)	3.1	3.1	500.0	500.0
Limit (dB)	61.1	61.1	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.5	8.8	28.7	30.6
Freq. (MHz)	3.1	4.4	500.0	500.0
Limit (dB)	58.3	55.6	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	7,8
RL (dB)	6.2	4.4	9.4	4.4
Freq. (MHz)	11.6	492.0	482.0	492.0
Limit (dB)	18.7	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 173-A

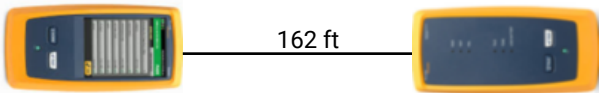
Test Summary: PASS

Date / Time: 12/17/2022 12:07:26 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

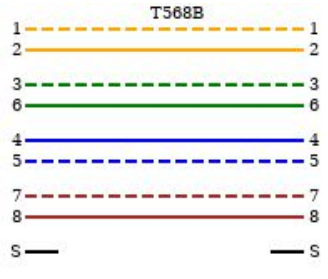
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	162
Prop. Delay (ns), Limit 555	[Pair 4,5]	257
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	13.4
Insertion Loss Margin (dB)	[Pair 3,6]	27.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

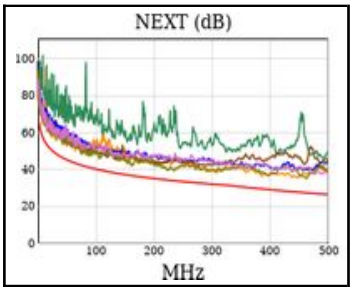


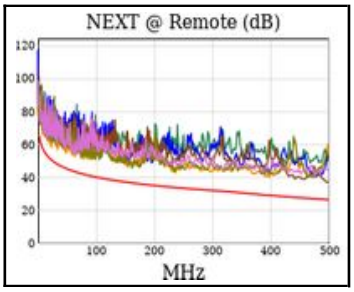
PASS



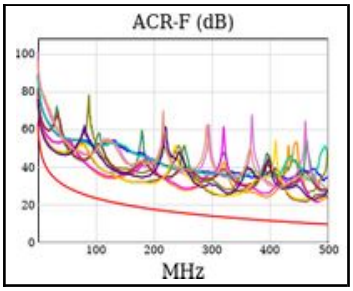


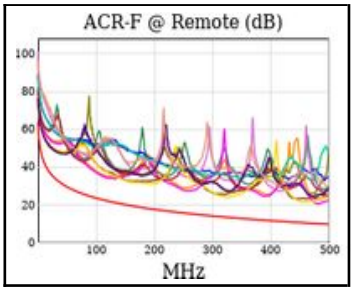
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	5.1	7.5	7.6	10.5
Freq. (MHz)	236.0	23.8	464.0	497.0
Limit (dB)	33.5	50.4	27.0	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.3	7.8	8.2	11.5
Freq. (MHz)	75.5	4.3	464.0	464.0
Limit (dB)	39.2	60.1	24.1	24.1



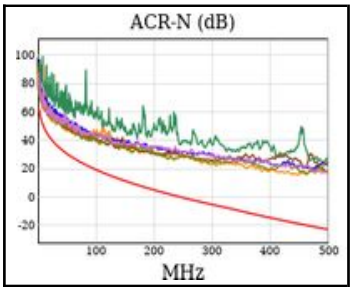


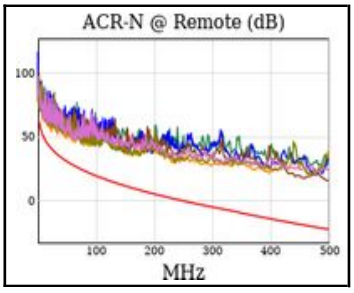
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	1,2-3,6	3,6-1,2	1,2-3,6
ACR-F (dB)	11.1	10.4	11.4	10.4
Freq. (MHz)	326.0	483.0	483.0	483.0
Limit (dB)	13.0	9.6	9.6	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	11.6	10.4	11.7
Freq. (MHz)	478.0	479.0	478.0	480.0
Limit (dB)	6.7	6.7	6.7	6.6



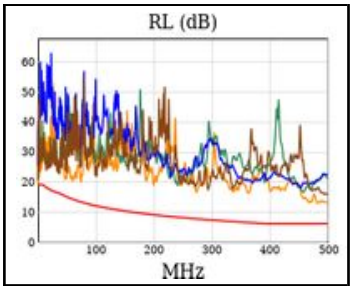


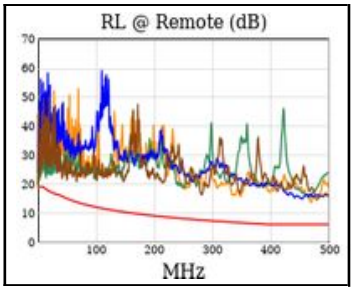
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	11.4	34.0	38.1
Freq. (MHz)	8.8	8.6	448.0	497.0
Limit (dB)	51.5	51.6	-19.0	-23.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.5	10.1	35.1	40.1
Freq. (MHz)	4.1	4.3	464.0	497.0
Limit (dB)	56.1	55.8	-23.2	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	5.6	3.9	6.8	7.5
Freq. (MHz)	47.8	14.8	487.0	470.0
Limit (dB)	15.2	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 173-B

Test Summary: PASS

Date / Time: 12/17/2022 12:07:57 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	163
Prop. Delay (ns), Limit 555	[Pair 4,5]	256
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	13.6
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	2.2	7.3	5.2	10.4
Freq. (MHz)	227.5	15.0	395.0	500.0
Limit (dB)	33.8	53.7	28.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.4	7.1	6.3	11.3
Freq. (MHz)	168.0	4.1	397.0	471.0
Limit (dB)	33.2	60.3	25.9	23.9

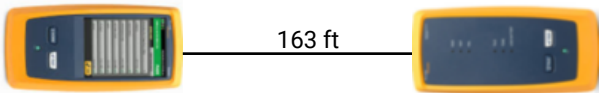
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.1	9.4	10.2	11.0
Freq. (MHz)	264.0	262.0	417.0	429.0
Limit (dB)	14.8	14.9	10.9	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.6	10.0	11.2
Freq. (MHz)	412.0	262.0	412.0	400.0
Limit (dB)	8.0	11.9	8.0	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	11.0	36.6	38.4
Freq. (MHz)	6.1	4.1	460.0	500.0
Limit (dB)	55.0	58.6	-20.0	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	9.3	35.5	39.9
Freq. (MHz)	4.1	4.1	461.0	500.0
Limit (dB)	56.1	56.1	-23.0	-26.1

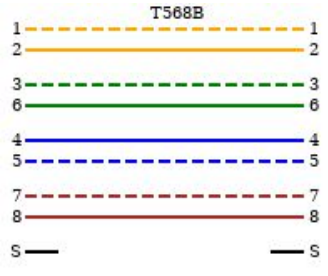
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	7,8
RL (dB)	5.2	4.0	7.3	7.5
Freq. (MHz)	15.3	14.8	482.0	491.0
Limit (dB)	18.1	18.2	6.0	6.0

Compliant Network Standards:

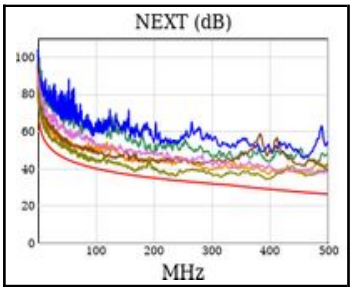
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

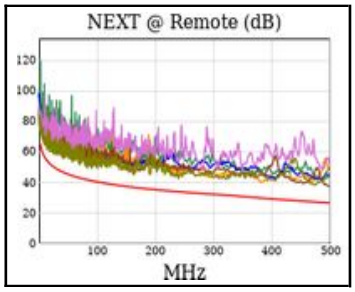


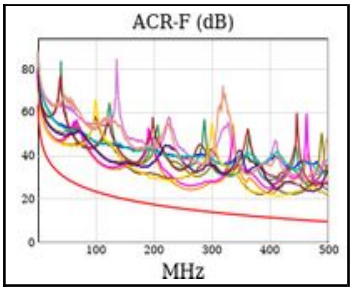
PASS

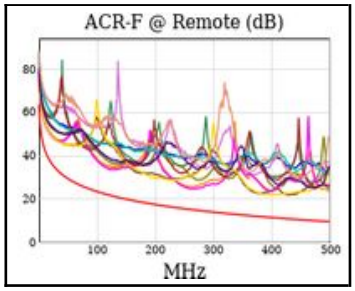


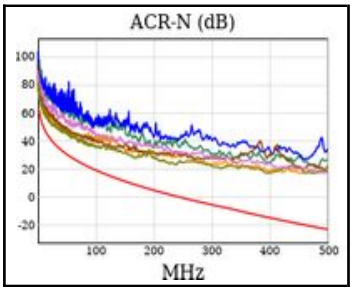


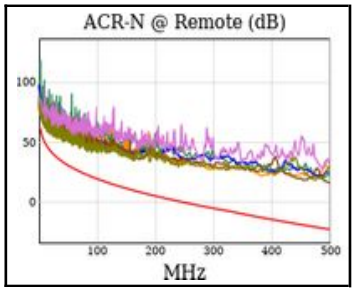


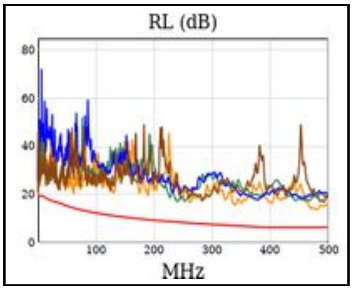


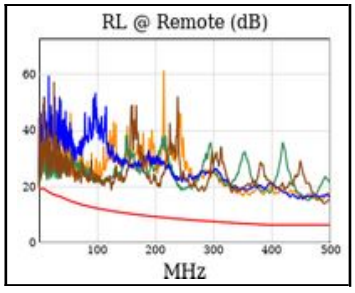












FLUKE networks

LinkWare Live

Cable ID: 174-A

Test Summary: PASS

Date / Time: 12/17/2022 12:09:27 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	138
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	29.8
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	4.8	7.3	6.7	8.2
Freq. (MHz)	226.5	61.5	494.0	450.0
Limit (dB)	33.9	43.5	26.2	27.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	8.6	7.2	11.1
Freq. (MHz)	226.5	4.8	449.0	500.0
Limit (dB)	30.9	59.3	24.5	23.2

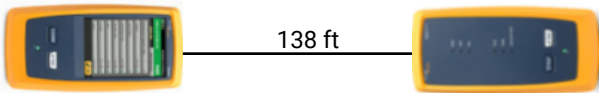
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.4	9.6	9.5	9.8
Freq. (MHz)	447.0	447.0	449.0	468.0
Limit (dB)	10.3	10.3	10.2	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.3	10.7	10.8	11.9
Freq. (MHz)	251.0	237.0	486.0	489.0
Limit (dB)	12.3	12.8	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.0	12.4	38.1	36.8
Freq. (MHz)	4.5	2.5	496.0	450.0
Limit (dB)	57.8	61.7	-22.9	-19.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.6	11.3	39.6	42.1
Freq. (MHz)	4.6	4.8	494.0	500.0
Limit (dB)	55.1	54.8	-25.6	-26.1

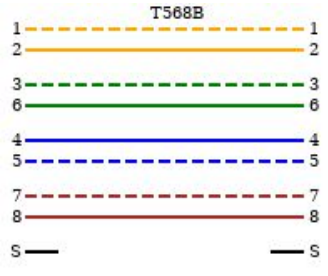
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	4.5	3.9	6.4	7.4
Freq. (MHz)	61.5	15.0	483.0	414.0
Limit (dB)	14.1	18.1	6.0	6.0

Compliant Network Standards:

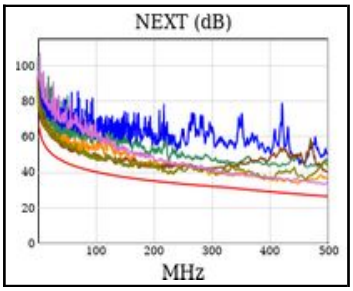
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

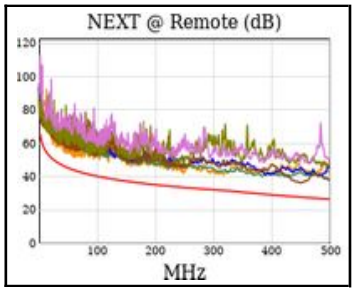


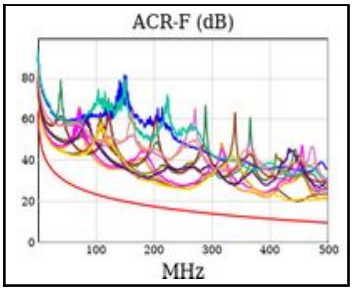
PASS

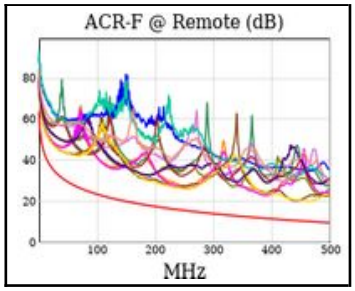


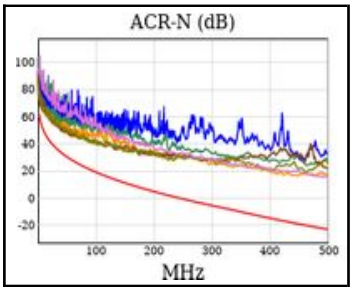


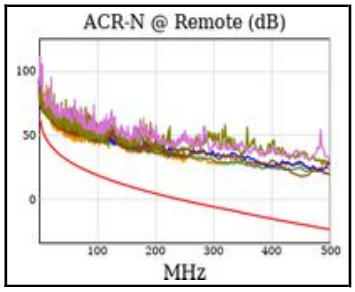


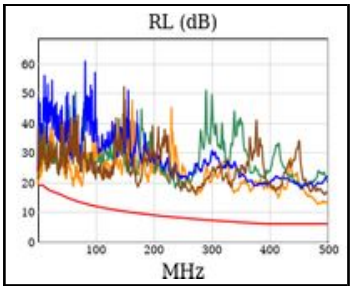


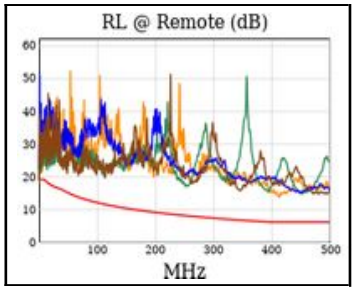












FLUKE networks

LinkWare Live

Cable ID: 174-B

Test Summary: PASS

Date / Time: 12/17/2022 12:10:40 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	139
Prop. Delay (ns), Limit 555	[Pair 4,5]	220
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 3,6]	30.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	4,5-7,8	3,6-4,5
NEXT (dB)	5.0	7.4	6.1	9.4
Freq. (MHz)	163.0	25.6	473.0	495.0
Limit (dB)	36.3	49.8	26.8	26.2
Worst Pair	3,6	3,6	7,8	4,5
PS NEXT (dB)	5.0	8.5	7.6	11.8
Freq. (MHz)	161.0	25.5	473.0	495.0
Limit (dB)	33.5	47.2	23.9	23.3

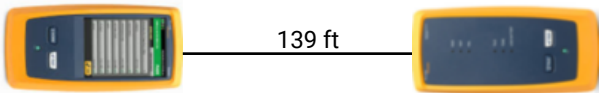
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.6	9.7	11.0	9.7
Freq. (MHz)	379.0	391.0	470.0	391.0
Limit (dB)	11.7	11.4	9.8	11.4
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	11.7	11.6	12.1
Freq. (MHz)	5.0	2.9	408.0	408.0
Limit (dB)	46.3	51.1	8.0	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	10.9	12.5	37.3	39.8
Freq. (MHz)	4.5	2.4	488.0	495.0
Limit (dB)	57.8	61.7	-22.3	-22.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.3	11.3	39.0	42.0
Freq. (MHz)	4.6	2.6	500.0	495.0
Limit (dB)	55.1	58.6	-26.1	-25.7

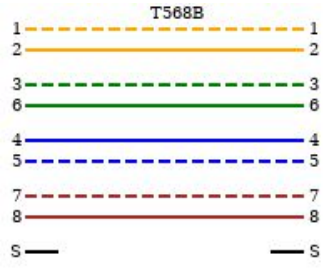
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.5	4.6	7.3	7.3
Freq. (MHz)	46.8	14.9	483.0	485.0
Limit (dB)	15.3	18.1	6.0	6.0

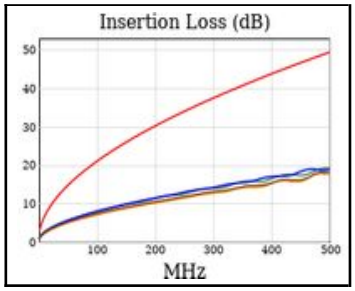
Compliant Network Standards:

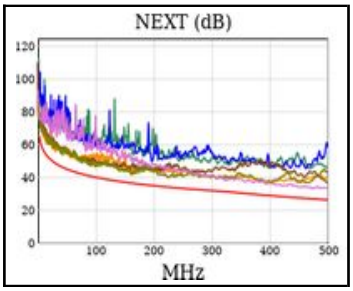
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

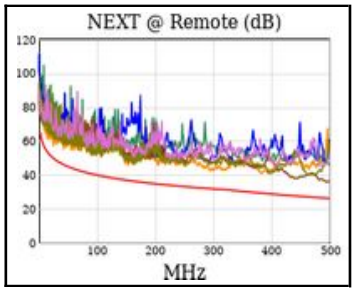


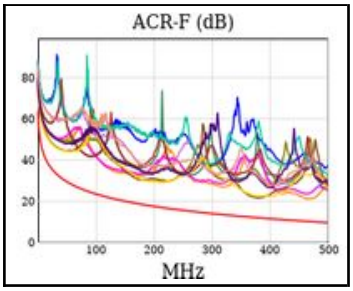
PASS

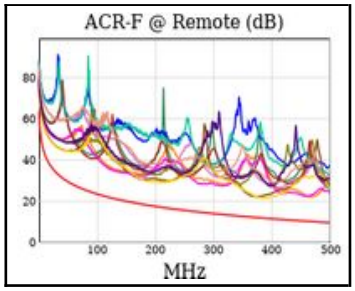


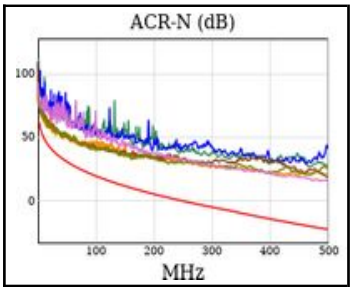


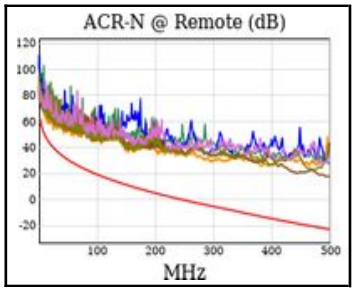


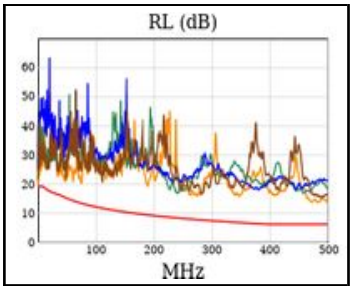


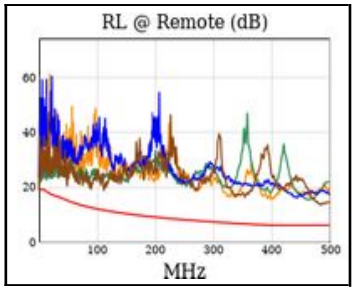












FLUKE networks

LinkWare Live

Cable ID: 176-A

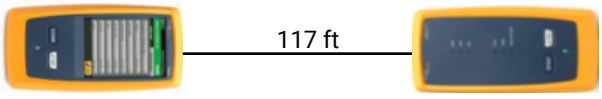
Test Summary: PASS

Date / Time: 12/17/2022 12:13:42 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

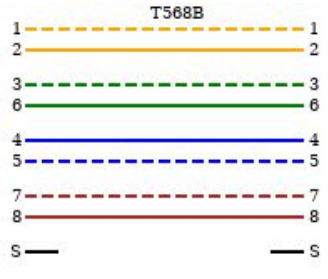
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

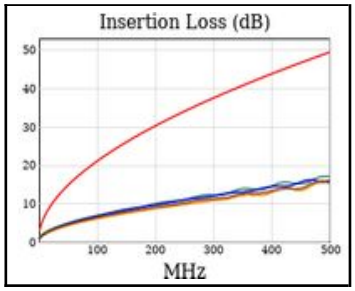
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	186
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	27.7
Insertion Loss Margin (dB)	[Pair 3,6]	32.1
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

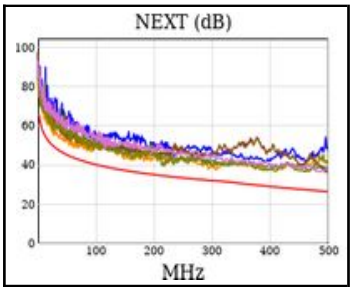


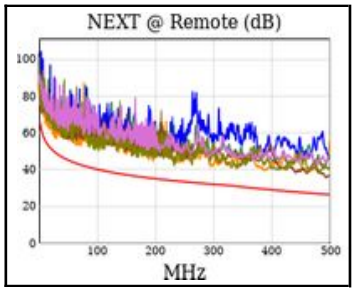
PASS



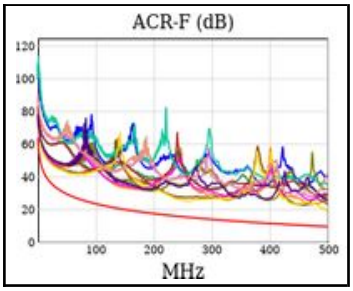


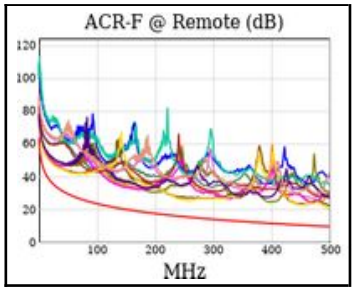
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	4.8	7.8	9.5	9.0
Freq. (MHz)	217.0	27.4	497.0	494.0
Limit (dB)	34.2	49.4	26.2	26.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	5.2	8.4	8.9	9.7
Freq. (MHz)	161.5	233.0	500.0	464.0
Limit (dB)	33.5	30.7	23.2	24.1



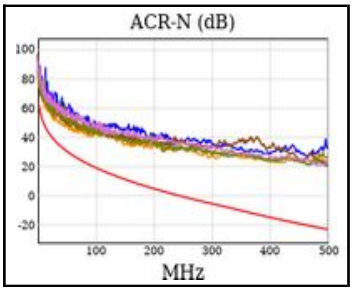


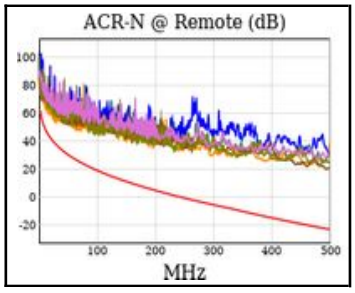
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.6	9.9	9.6	10.7
Freq. (MHz)	499.0	259.0	499.0	499.0
Limit (dB)	9.3	15.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.4	10.5	11.3	13.2
Freq. (MHz)	5.9	9.1	499.0	499.0
Limit (dB)	44.9	41.1	6.3	6.3



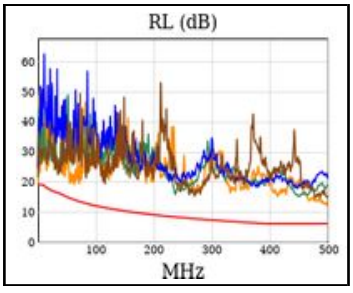


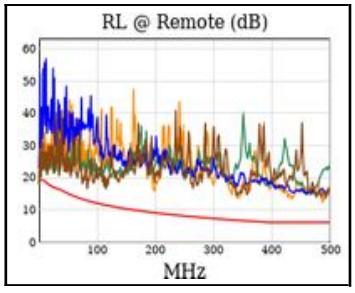
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.5	11.6	42.9	42.2
Freq. (MHz)	2.9	3.0	497.0	494.0
Limit (dB)	61.4	61.4	-23.0	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.2	11.4	42.3	42.7
Freq. (MHz)	5.6	3.3	500.0	496.0
Limit (dB)	53.2	58.2	-26.1	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	5.0	3.7	5.9	6.0
Freq. (MHz)	63.8	84.0	498.0	489.0
Limit (dB)	14.0	12.8	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 176-B

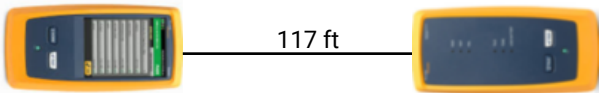
Test Summary: PASS

Date / Time: 12/17/2022 12:14:41 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: CENTRAL IDF

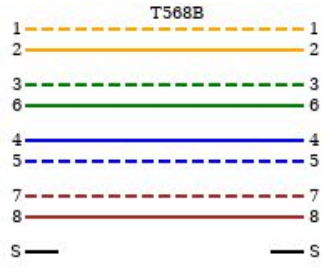
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

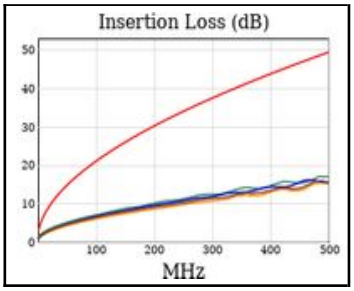
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	185
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	15.3
Insertion Loss Margin (dB)	[Pair 3,6]	32.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

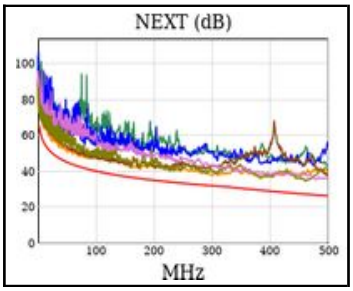


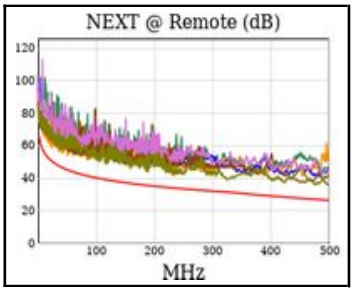
PASS



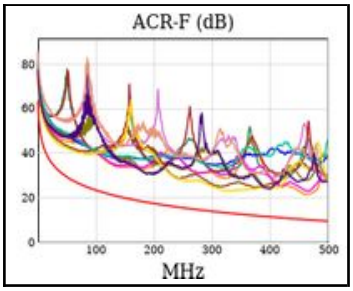


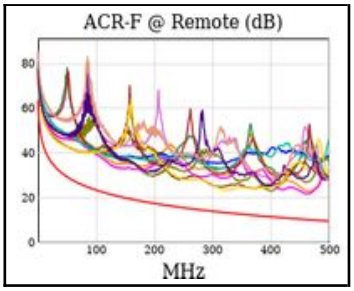
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.1	7.5	7.2	8.8
Freq. (MHz)	162.5	326.0	463.0	479.0
Limit (dB)	36.3	31.1	27.0	26.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	6.8	8.4	9.9
Freq. (MHz)	162.5	3.1	462.0	476.0
Limit (dB)	33.4	62.0	24.1	23.8



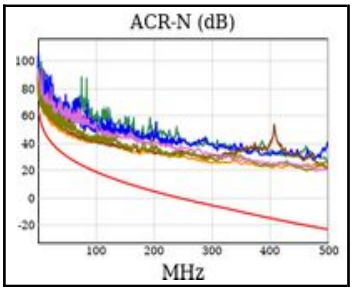


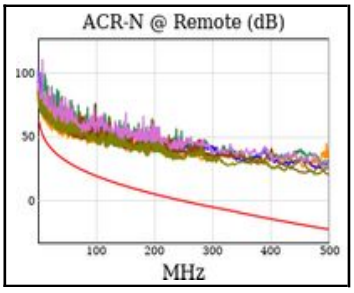
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.7	9.9	11.4	11.6
Freq. (MHz)	323.0	323.0	468.0	468.0
Limit (dB)	13.1	13.1	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.2	13.3	11.8
Freq. (MHz)	8.5	11.8	462.0	411.0
Limit (dB)	41.7	38.9	7.0	8.0



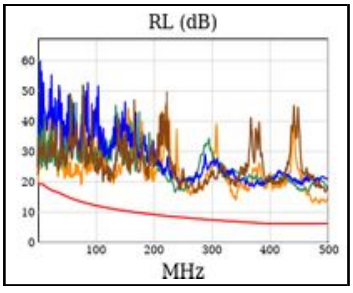


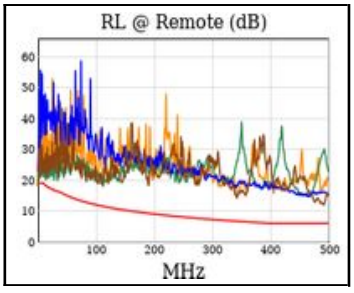
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	4,5-7,8	3,6-7,8
ACR-N (dB)	9.5	10.4	41.0	41.3
Freq. (MHz)	2.6	3.0	480.0	479.0
Limit (dB)	61.6	61.4	-21.6	-21.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.5	9.0	40.1	43.4
Freq. (MHz)	2.8	3.1	462.0	500.0
Limit (dB)	58.5	58.3	-23.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	5.2	2.9	6.2	5.7
Freq. (MHz)	35.5	17.8	487.0	492.0
Limit (dB)	16.2	17.8	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 204-A

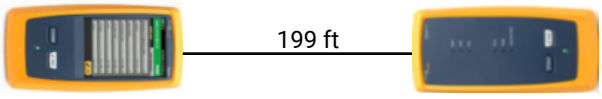
Test Summary: PASS

Date / Time: 11/19/2022 06:24:28 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

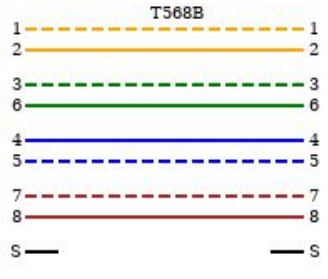
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

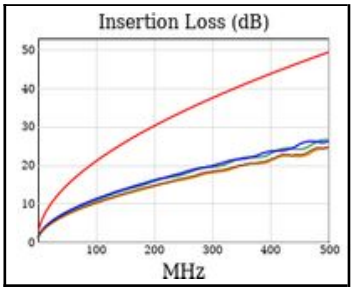
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

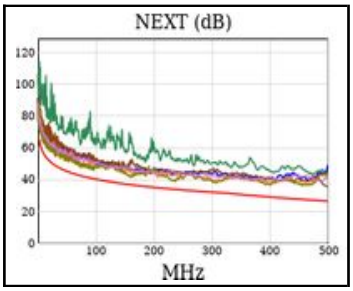
Length (ft), Limit 328	[Pair 1,2]	199
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	22.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

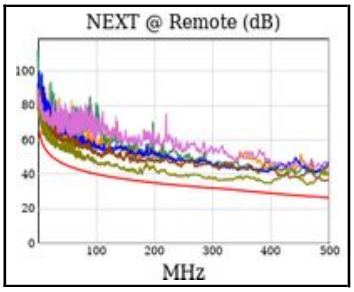


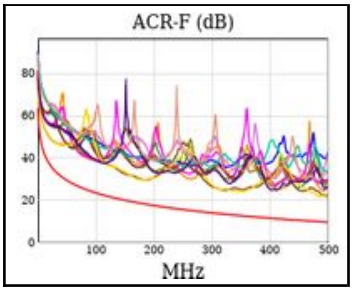
PASS

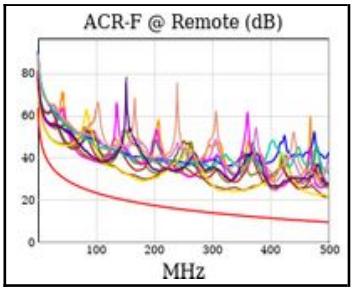


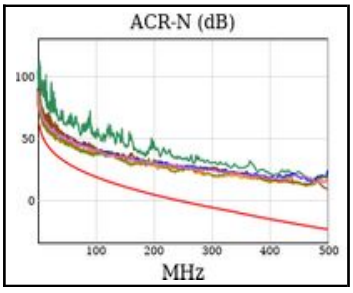


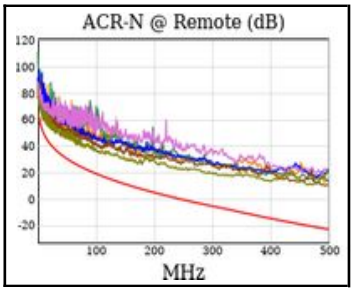


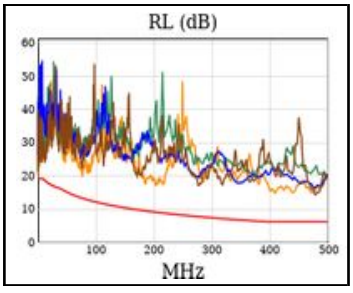


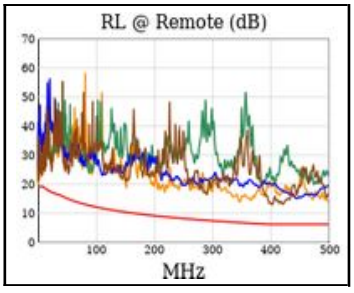












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.5	4.0	9.0	6.6
Freq. (MHz)	160.0	172.0	500.0	465.0
Limit (dB)	36.4	35.9	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	5.8	8.0	8.8
Freq. (MHz)	65.8	172.5	463.0	475.0
Limit (dB)	40.2	33.0	24.1	23.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.1	10.6	11.4	11.8
Freq. (MHz)	178.0	177.5	500.0	500.0
Limit (dB)	18.2	18.3	9.3	9.3
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	12.1	12.3	12.1	12.8
Freq. (MHz)	500.0	339.0	500.0	500.0
Limit (dB)	6.3	9.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	8.9	8.6	32.2	32.6
Freq. (MHz)	3.4	8.5	500.0	494.0
Limit (dB)	60.4	51.8	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.8	9.1	33.0	32.3
Freq. (MHz)	3.3	3.4	500.0	494.0
Limit (dB)	58.2	57.9	-26.1	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	5.3	4.5	8.1	6.7
Freq. (MHz)	12.9	9.5	480.0	404.0
Limit (dB)	18.5	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 204-B

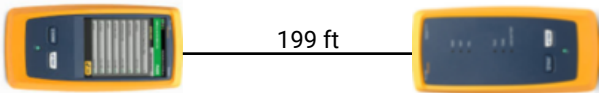
Test Summary: PASS

Date / Time: 11/19/2022 06:27:55 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

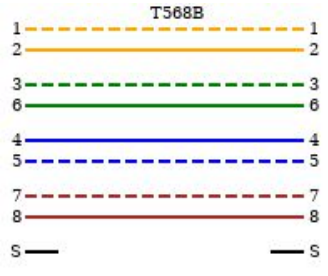
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	199
Prop. Delay (ns), Limit 555	[Pair 4,5]	314
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	22.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



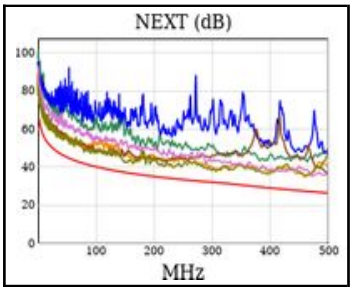
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.1	6.2	7.5	6.2
Freq. (MHz)	165.5	492.0	462.0	492.0
Limit (dB)	36.2	26.3	27.0	26.3
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	7.8	7.5	8.3
Freq. (MHz)	165.5	3.3	462.0	492.0
Limit (dB)	33.3	62.0	24.1	23.4

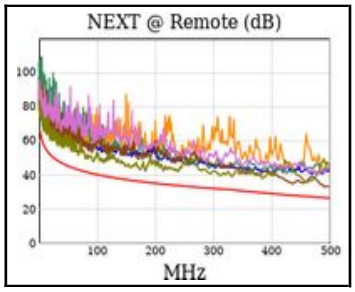
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.3	10.6	10.3
Freq. (MHz)	436.0	432.0	436.0	432.0
Limit (dB)	10.5	10.5	10.5	10.5
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.5	11.5	11.7	12.5
Freq. (MHz)	7.5	7.5	424.0	471.0
Limit (dB)	42.8	42.8	7.7	6.8

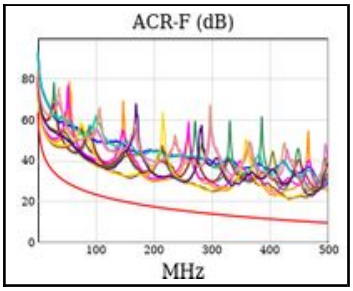
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	10.5	30.2	29.2
Freq. (MHz)	3.1	3.3	462.0	492.0
Limit (dB)	61.1	60.7	-20.2	-22.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	9.7	30.2	30.7
Freq. (MHz)	3.3	3.3	462.0	492.0
Limit (dB)	58.2	58.2	-23.1	-25.5

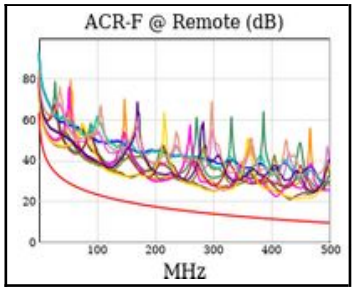
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.7	2.3	7.0	7.8
Freq. (MHz)	9.6	9.4	478.0	412.0
Limit (dB)	19.0	19.0	6.0	6.0

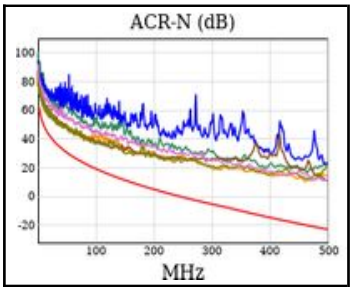


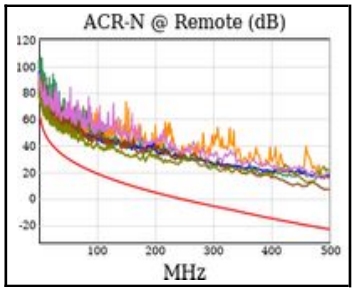


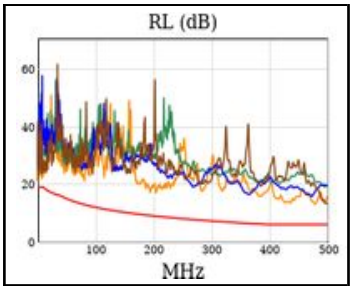


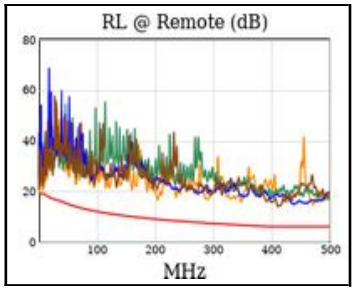












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 206-A

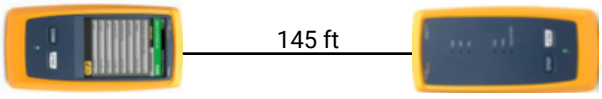
Test Summary: PASS

Date / Time: 11/19/2022 06:36:05 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

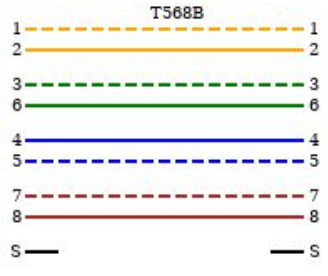
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

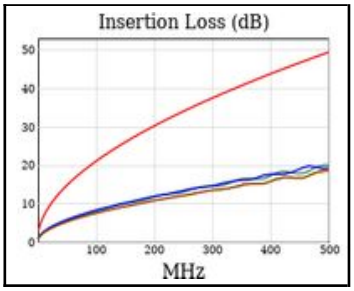
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

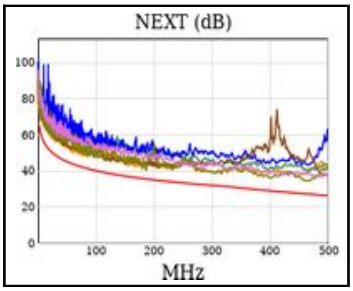
Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 4,5]	230
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	29.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

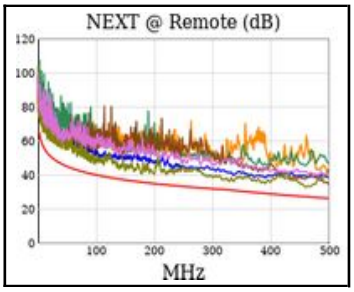


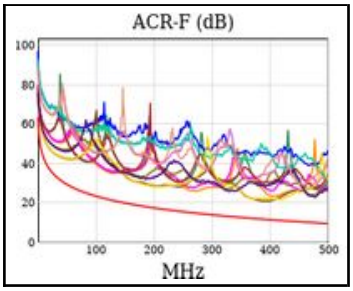
PASS

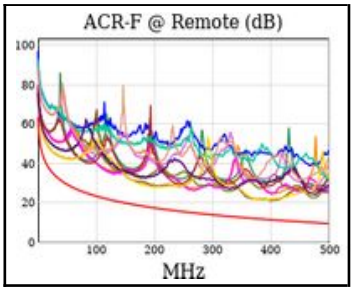


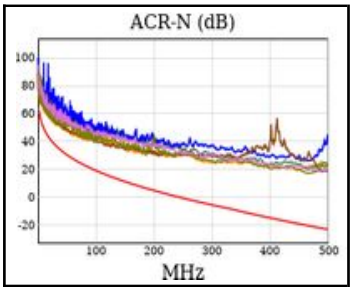


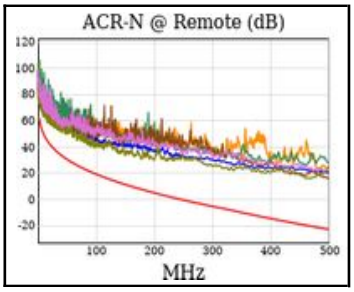


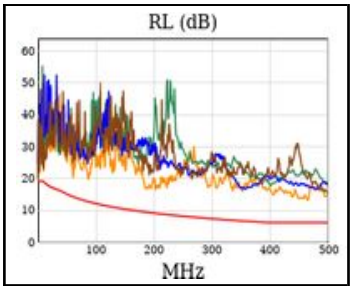


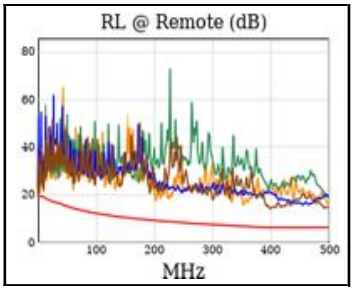












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.7	4.8	7.1	5.8
Freq. (MHz)	187.5	178.0	466.0	469.0
Limit (dB)	35.3	35.7	26.9	26.9
Worst Pair	3,6	7,8	7,8	7,8
PS NEXT (dB)	4.9	6.4	8.2	7.2
Freq. (MHz)	187.5	337.0	469.0	469.0
Limit (dB)	32.3	27.8	24.0	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.2	9.7	9.3	9.7
Freq. (MHz)	389.0	400.0	400.0	400.0
Limit (dB)	11.5	11.2	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	10.9	11.1
Freq. (MHz)	10.4	10.4	410.0	404.0
Limit (dB)	39.9	39.9	8.0	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
ACR-N (dB)	8.5	11.5	37.3	38.3
Freq. (MHz)	4.5	4.6	466.0	500.0
Limit (dB)	57.8	57.6	-20.5	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.2	9.9	37.7	38.9
Freq. (MHz)	4.6	4.8	466.0	500.0
Limit (dB)	55.1	54.8	-23.4	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	6.0	7.7	7.0	7.8
Freq. (MHz)	61.5	61.8	467.0	400.0
Limit (dB)	14.1	14.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 206-B

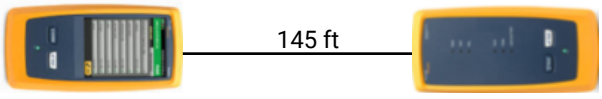
Test Summary: PASS

Date / Time: 11/19/2022 06:37:28 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

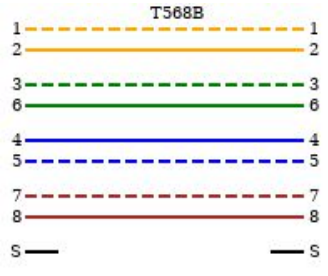
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 4,5]	229
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	29.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1



PASS

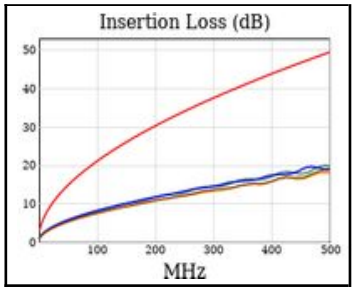


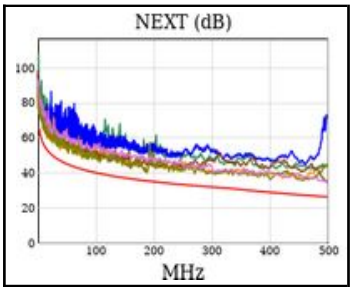
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	4.5	5.3	8.5	6.6
Freq. (MHz)	188.5	134.0	497.0	495.0
Limit (dB)	35.2	37.8	26.2	26.2
Worst Pair	3,6	7,8	4,5	7,8
PS NEXT (dB)	5.0	6.8	8.3	7.6
Freq. (MHz)	188.5	306.0	497.0	467.0
Limit (dB)	32.3	28.6	23.3	24.0

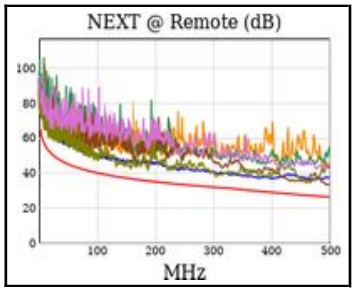
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	11.1	11.3	11.5	11.3
Freq. (MHz)	432.0	468.0	470.0	468.0
Limit (dB)	10.5	9.9	9.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.2	13.2	12.7
Freq. (MHz)	189.5	177.5	474.0	474.0
Limit (dB)	14.7	15.3	6.7	6.7

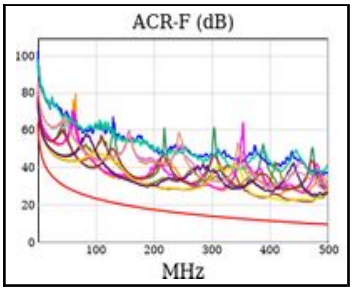
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	10.5	10.9	38.9	36.6
Freq. (MHz)	2.5	2.6	500.0	495.0
Limit (dB)	61.7	61.6	-23.2	-22.8
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.5	10.6	38.4	38.1
Freq. (MHz)	2.5	2.4	497.0	497.0
Limit (dB)	58.7	58.7	-25.8	-25.8

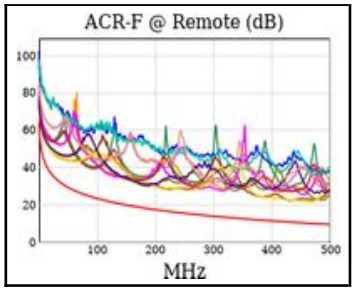
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	4,5
RL (dB)	6.7	4.9	6.7	8.4
Freq. (MHz)	499.0	66.8	499.0	454.0
Limit (dB)	6.0	13.8	6.0	6.0

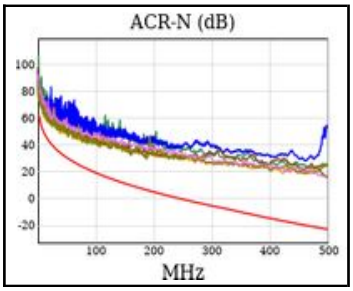


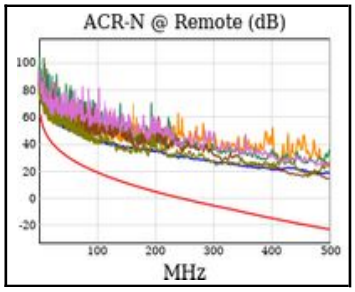


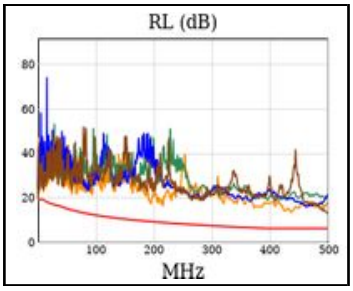


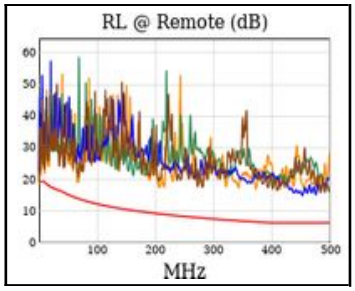












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 207-A

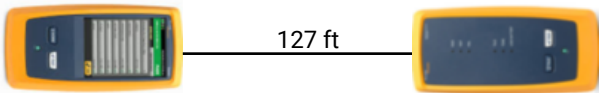
Test Summary: PASS

Date / Time: 11/19/2022 06:40:35 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

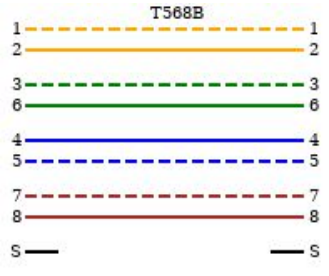
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	127
Prop. Delay (ns), Limit 555	[Pair 4,5]	201
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 4,5]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



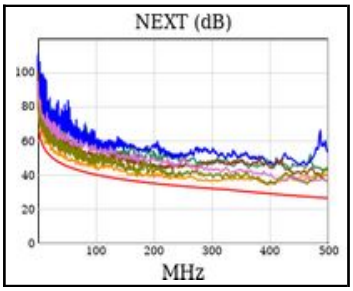
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.0	5.1	5.0	6.1
Freq. (MHz)	173.5	159.5	397.0	499.0
Limit (dB)	35.8	36.5	28.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.0	7.2	5.1	8.6
Freq. (MHz)	170.5	159.5	398.0	499.0
Limit (dB)	33.1	33.6	25.8	23.3

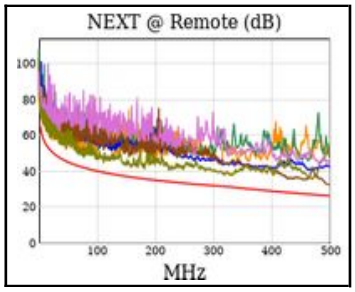
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.5	10.1	11.4	10.8
Freq. (MHz)	252.0	252.0	489.0	494.0
Limit (dB)	15.2	15.2	9.5	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	13.1	12.6
Freq. (MHz)	1.0	1.1	486.0	500.0
Limit (dB)	60.3	59.2	6.5	6.3

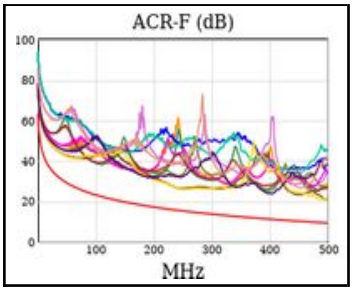
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.1	10.8	33.7	38.4
Freq. (MHz)	7.1	3.5	397.0	499.0
Limit (dB)	53.5	60.1	-14.7	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.1	10.1	41.8	40.4
Freq. (MHz)	5.0	3.1	499.0	499.0
Limit (dB)	54.3	58.3	-26.0	-26.0

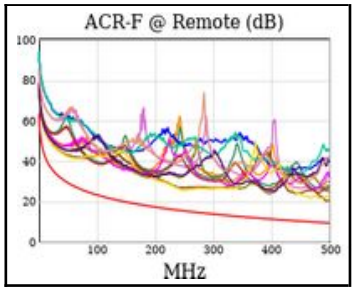
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	5.8	6.5	5.8	8.3
Freq. (MHz)	426.0	25.6	426.0	474.0
Limit (dB)	6.0	17.0	6.0	6.0

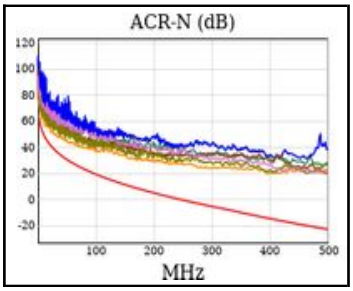


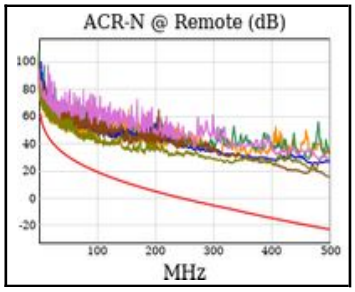


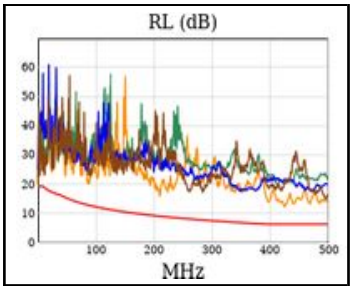


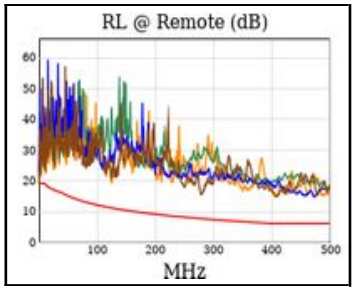












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 207-B

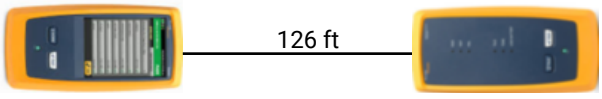
Test Summary: PASS

Date / Time: 11/19/2022 06:44:39 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

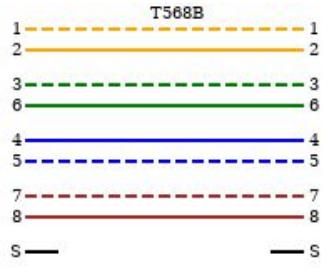
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

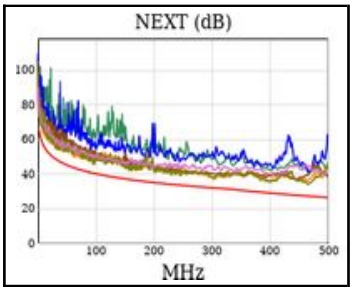
Length (ft), Limit 328	[Pair 1,2]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	200
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	5.7
Insertion Loss Margin (dB)	[Pair 3,6]	31.4
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

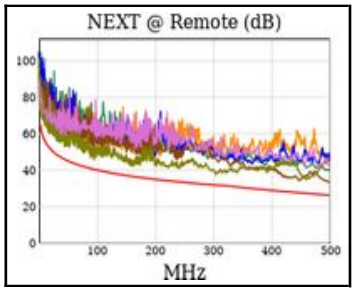


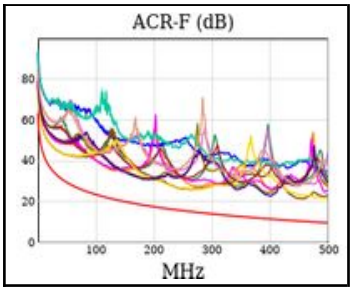
PASS

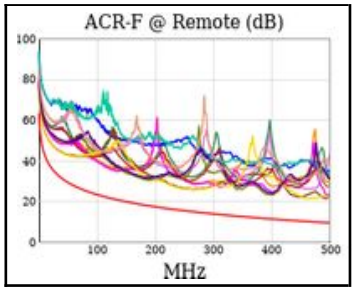


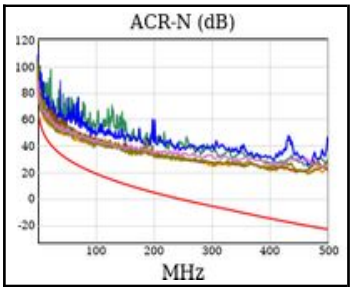


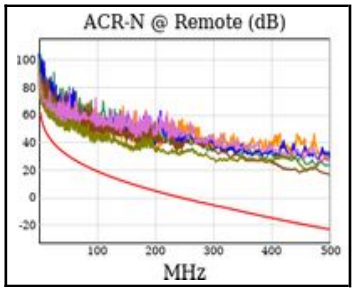


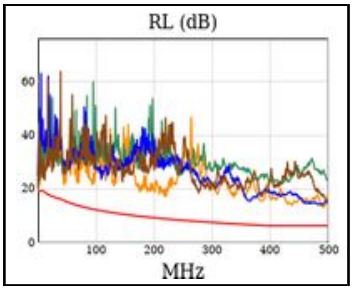


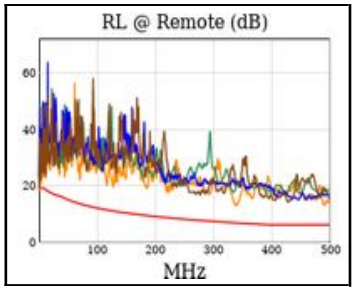












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.8	5.3	6.5	6.9
Freq. (MHz)	305.0	95.8	466.0	499.0
Limit (dB)	31.6	40.2	26.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.4	7.2	6.7	8.4
Freq. (MHz)	305.0	3.0	466.0	499.0
Limit (dB)	28.6	62.0	24.0	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.6	10.5	11.1	11.8
Freq. (MHz)	248.5	245.5	460.0	495.0
Limit (dB)	15.4	15.5	10.0	9.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.6	11.6	12.4	12.1
Freq. (MHz)	269.0	254.0	452.0	496.0
Limit (dB)	11.7	12.2	7.2	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	9.9	9.7	38.9	39.4
Freq. (MHz)	3.0	3.0	466.0	499.0
Limit (dB)	61.4	61.4	-20.5	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.7	38.1	41.0
Freq. (MHz)	5.3	3.0	466.0	499.0
Limit (dB)	53.9	58.4	-23.4	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.9	5.9	6.4	5.9
Freq. (MHz)	45.8	339.0	493.0	339.0
Limit (dB)	15.4	6.7	6.0	6.7

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 214-A

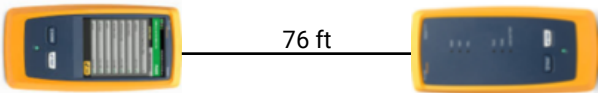
Test Summary: PASS

Date / Time: 11/19/2022 06:52:56 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

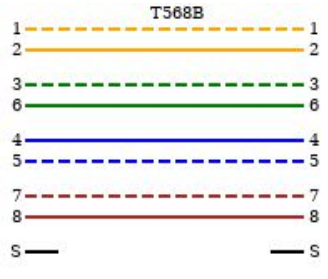
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	76
Prop. Delay (ns), Limit 555	[Pair 4,5]	120
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	3.6
Insertion Loss Margin (dB)	[Pair 3,6]	37.6
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9



PASS

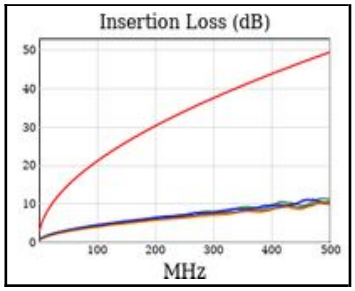


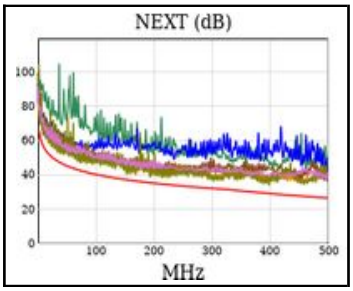
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.4	3.5	4.7	5.5
Freq. (MHz)	194.5	310.0	399.0	460.0
Limit (dB)	35.0	31.5	28.8	27.1
Worst Pair	3,6	7,8	3,6	7,8
PS NEXT (dB)	3.9	4.9	7.4	7.0
Freq. (MHz)	214.5	225.0	460.0	465.0
Limit (dB)	31.3	31.0	24.2	24.1

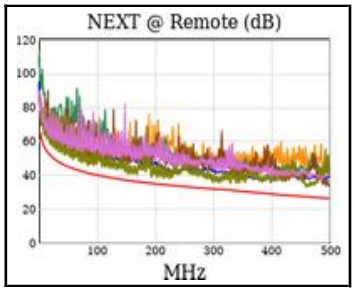
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	10.1	10.6	11.0
Freq. (MHz)	382.0	377.0	458.0	458.0
Limit (dB)	11.6	11.7	10.0	10.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.1	11.1	12.4	12.2
Freq. (MHz)	6.4	5.8	476.0	458.0
Limit (dB)	44.2	45.1	6.7	7.0

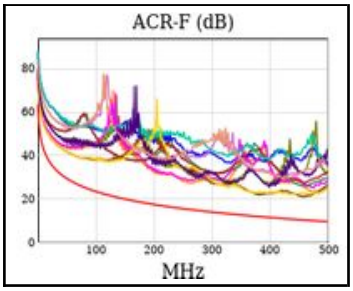
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	11.2	11.1	46.5	45.6
Freq. (MHz)	9.8	4.8	480.0	499.0
Limit (dB)	50.4	57.3	-21.6	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.2	10.6	44.9	46.6
Freq. (MHz)	4.6	4.5	460.0	499.0
Limit (dB)	55.1	55.3	-22.9	-26.0

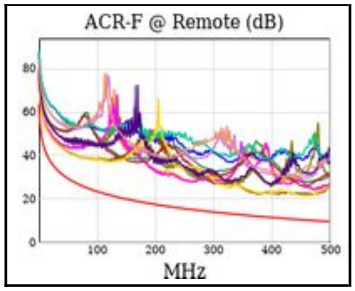
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	5.9	6.1	6.2	7.3
Freq. (MHz)	200.0	199.5	463.0	454.0
Limit (dB)	9.0	9.0	6.0	6.0

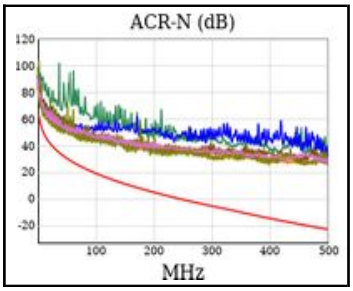


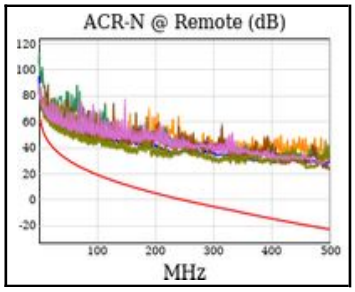


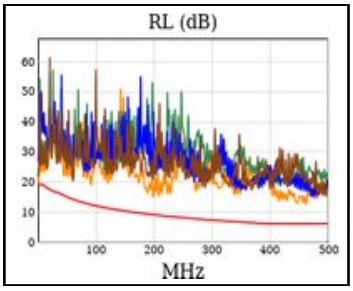


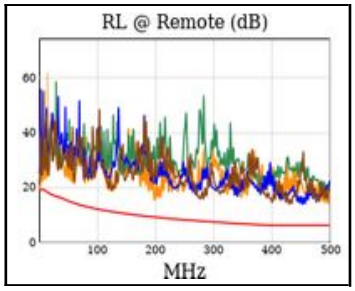












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare™ Live

Cable ID: 214-B

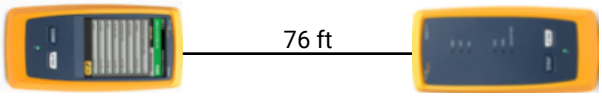
Test Summary: PASS

Date / Time: 11/19/2022 06:53:35 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

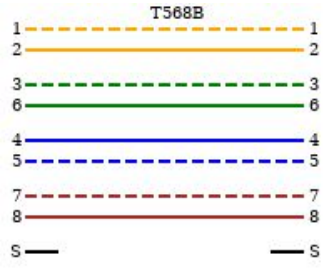
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

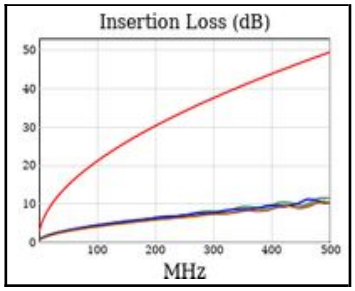
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	76
Prop. Delay (ns), Limit 555	[Pair 4,5]	119
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	3.6
Insertion Loss Margin (dB)	[Pair 3,6]	37.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

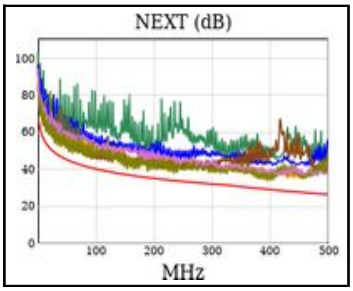


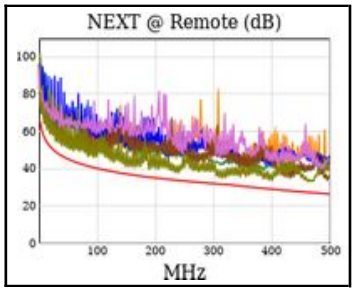
PASS



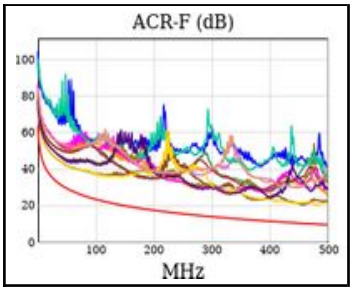


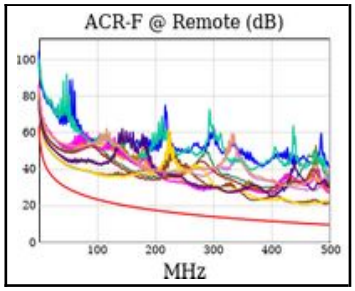
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.3	3.0	4.4	5.8
Freq. (MHz)	155.0	316.0	396.0	467.0
Limit (dB)	36.7	31.4	28.9	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.5	5.4	7.5	7.5
Freq. (MHz)	165.0	316.0	462.0	467.0
Limit (dB)	33.3	28.4	24.1	24.0



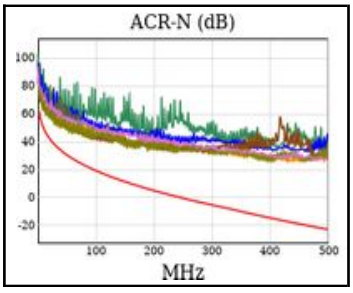


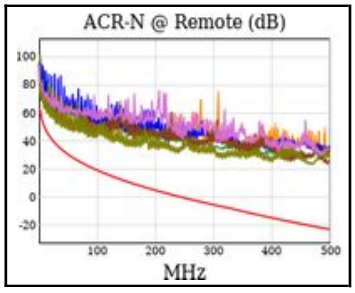
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.8	10.5	9.8
Freq. (MHz)	456.0	461.0	486.0	461.0
Limit (dB)	10.1	10.0	9.5	10.0
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.4	12.0	12.7	12.0
Freq. (MHz)	397.0	379.0	486.0	461.0
Limit (dB)	8.3	8.7	6.5	7.0



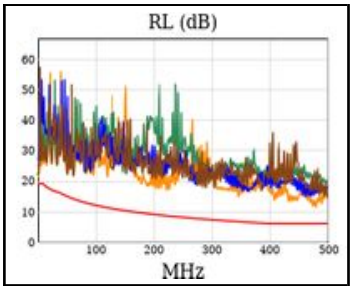


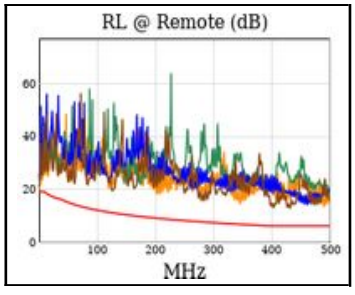
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.7	11.4	42.4	46.0
Freq. (MHz)	4.5	4.5	431.0	497.0
Limit (dB)	57.8	57.8	-17.6	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	10.3	47.4	46.5
Freq. (MHz)	4.5	4.5	498.0	497.0
Limit (dB)	55.3	55.3	-25.9	-25.8





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.1	6.6	5.1	6.6
Freq. (MHz)	480.0	432.0	480.0	432.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 202-B

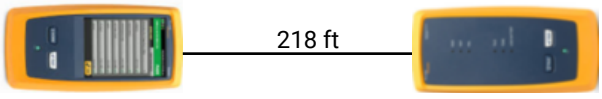
Test Summary: PASS

Date / Time: 12/10/2022 05:34:08 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

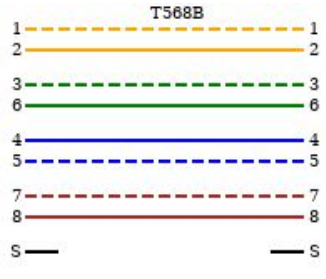
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	345
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.8
Insertion Loss Margin (dB)	[Pair 3,6]	20.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3



PASS

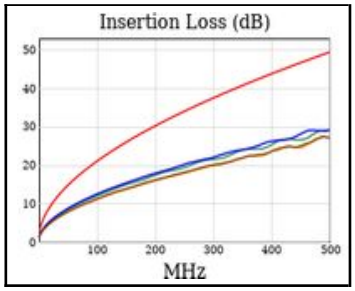


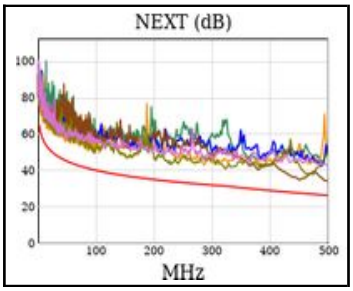
PASS	MAIN	SR	MAIN	SR
	Worst Case Margin		Worst Case Value	
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.3	4.8	7.8	7.5
Freq. (MHz)	453.0	88.3	497.0	464.0
Limit (dB)	27.3	40.8	26.2	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	9.2	4.9	10.1	7.8
Freq. (MHz)	3.1	88.5	497.0	464.0
Limit (dB)	62.0	38.0	23.3	24.1

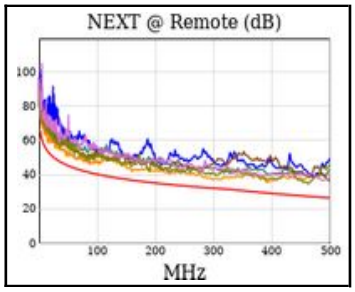
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.6	9.4	9.6	11.6
Freq. (MHz)	395.0	384.0	395.0	500.0
Limit (dB)	11.3	11.6	11.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	11.9	13.4
Freq. (MHz)	5.3	3.4	500.0	500.0
Limit (dB)	45.9	49.7	6.3	6.3

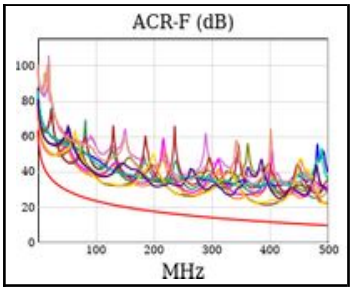
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	11.6	8.6	28.3	30.0
Freq. (MHz)	4.6	16.1	500.0	500.0
Limit (dB)	57.6	45.0	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.9	9.5	30.6	30.1
Freq. (MHz)	3.1	4.5	500.0	500.0
Limit (dB)	58.3	55.3	-26.1	-26.1

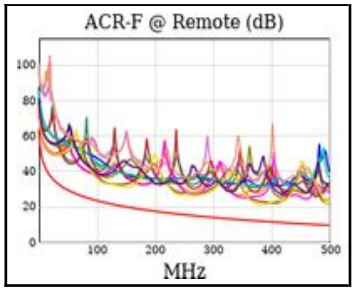
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.0	5.5	8.2	5.7
Freq. (MHz)	8.4	8.4	392.0	493.0
Limit (dB)	19.0	19.0	6.1	6.0

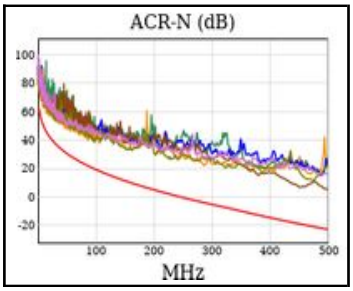


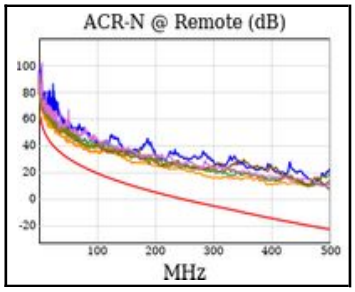


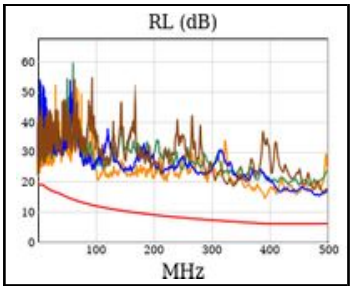


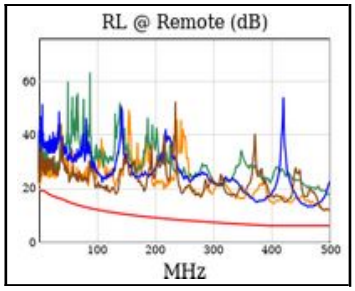












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 203-A

Test Summary: PASS

Date / Time: 12/10/2022 05:35:08 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	335
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 4,5]	20.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.0	4.1	7.1	6.1
Freq. (MHz)	442.0	303.0	500.0	403.0
Limit (dB)	27.6	31.7	26.1	28.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.5	3.7	9.5	6.3
Freq. (MHz)	4.8	165.0	500.0	400.0
Limit (dB)	59.3	33.3	23.2	25.8

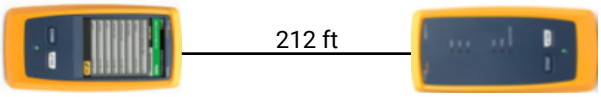
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.7	10.5	12.0	12.6
Freq. (MHz)	252.0	380.0	500.0	500.0
Limit (dB)	15.2	11.7	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.9	11.8	12.5	12.3
Freq. (MHz)	118.0	121.5	500.0	495.0
Limit (dB)	18.8	18.6	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.2	8.6	28.0	28.5
Freq. (MHz)	4.8	3.0	500.0	443.0
Limit (dB)	57.3	61.4	-23.2	-18.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.6	8.5	30.6	30.3
Freq. (MHz)	4.8	4.5	500.0	461.0
Limit (dB)	54.8	55.3	-26.1	-23.0

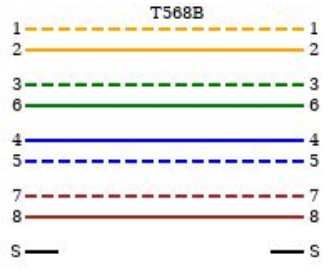
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.1	3.2	8.8	6.0
Freq. (MHz)	10.1	57.8	479.0	417.0
Limit (dB)	19.0	14.4	6.0	6.0

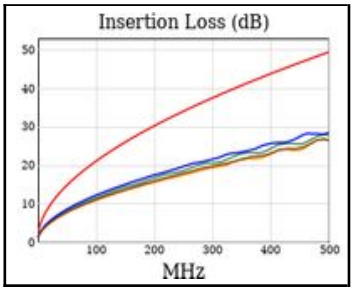
Compliant Network Standards:

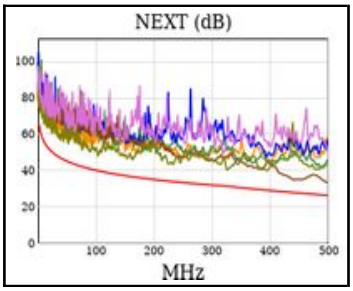
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

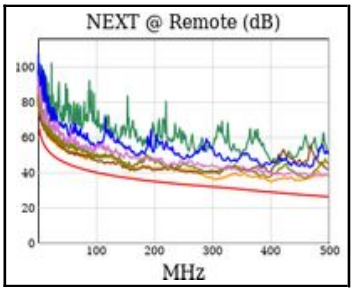


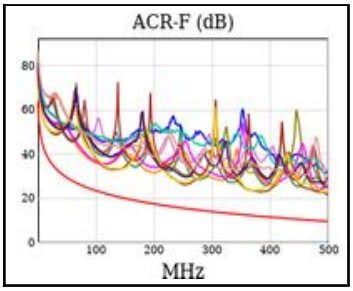
PASS

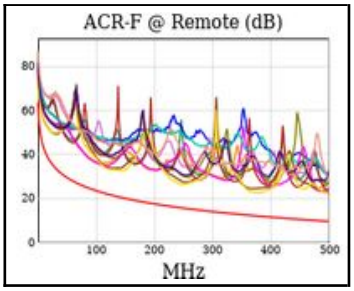


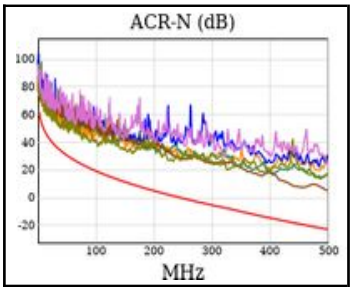


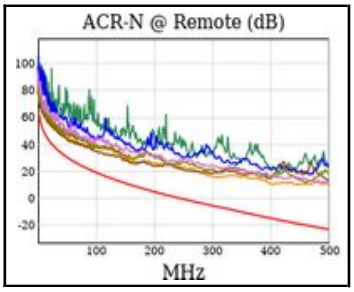


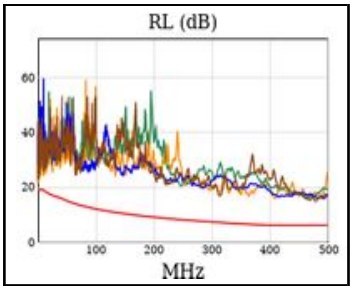


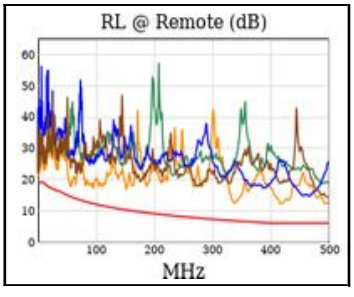












FLUKE networks

LinkWare Live

Cable ID: 203-B

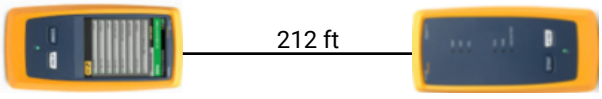
Test Summary: PASS

Date / Time: 12/10/2022 05:36:09 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

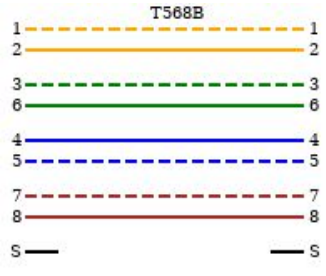
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	212
Prop. Delay (ns), Limit 555	[Pair 4,5]	333
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	9.5
Insertion Loss Margin (dB)	[Pair 3,6]	21.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

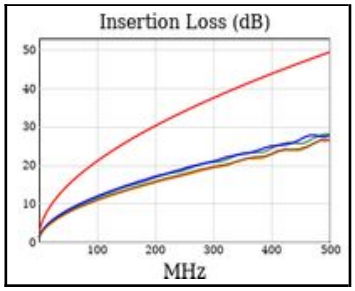


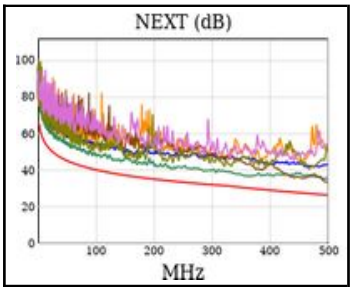
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	6.3	4.4	7.0	8.2
Freq. (MHz)	359.0	160.5	497.0	460.0
Limit (dB)	30.0	36.4	26.2	27.1
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	7.8	4.2	7.9	8.6
Freq. (MHz)	499.0	160.5	500.0	460.0
Limit (dB)	23.3	33.5	23.2	24.2

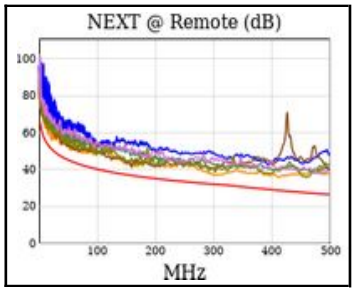
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.6	9.9	9.7
Freq. (MHz)	441.0	452.0	441.0	453.0
Limit (dB)	10.4	10.2	10.4	10.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.5	10.5	11.5	12.1
Freq. (MHz)	6.8	6.8	441.0	444.0
Limit (dB)	43.7	43.7	7.4	7.3

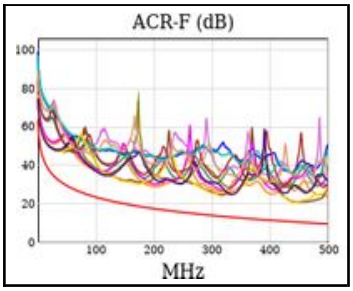
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.7	9.2	28.9	31.7
Freq. (MHz)	8.0	22.6	500.0	493.0
Limit (dB)	52.4	41.0	-23.2	-22.7
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.2	8.6	29.6	32.6
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	58.2	58.2	-26.1	-26.1

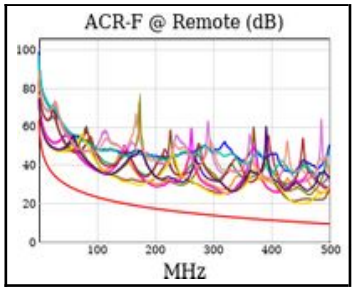
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.5	3.6	9.7	5.7
Freq. (MHz)	11.9	57.8	363.0	496.0
Limit (dB)	18.6	14.4	6.4	6.0

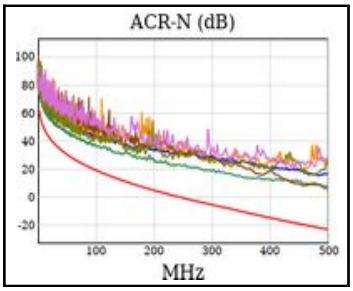


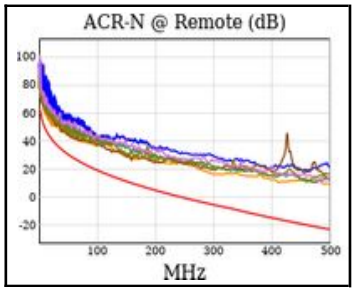


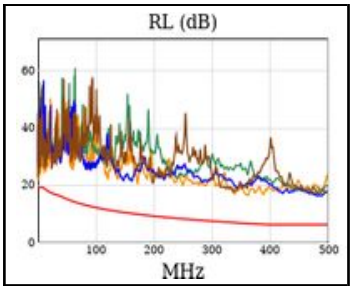


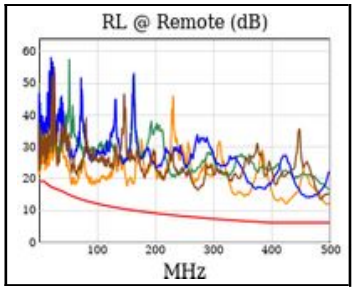












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 205-A

Test Summary: PASS

Date / Time: 12/10/2022 05:39:54 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	158
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	27.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	8.0	5.0	8.7	8.3
Freq. (MHz)	451.0	151.0	500.0	458.0
Limit (dB)	27.3	36.9	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.9	4.9	9.7	8.8
Freq. (MHz)	37.8	151.0	457.0	463.0
Limit (dB)	44.3	34.0	24.3	24.1

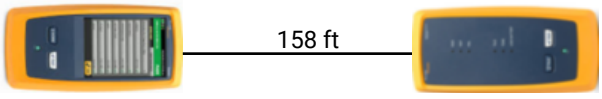
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.4	10.5	11.2	10.6
Freq. (MHz)	431.0	438.0	480.0	446.0
Limit (dB)	10.6	10.4	9.6	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.4	12.3	11.8
Freq. (MHz)	9.1	2.8	480.0	479.0
Limit (dB)	41.1	51.5	6.6	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.2	10.3	36.9	35.8
Freq. (MHz)	4.4	3.9	500.0	458.0
Limit (dB)	58.1	59.2	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	10.1	39.0	38.9
Freq. (MHz)	4.4	4.0	500.0	500.0
Limit (dB)	55.6	56.4	-26.1	-26.1

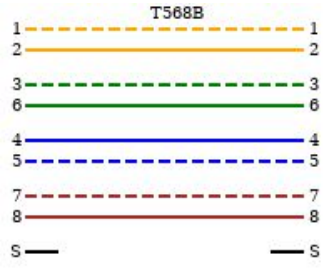
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	7.2	7.1	9.1	7.7
Freq. (MHz)	16.1	18.6	493.0	482.0
Limit (dB)	18.0	17.6	6.0	6.0

Compliant Network Standards:

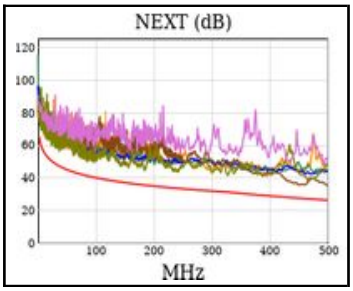
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

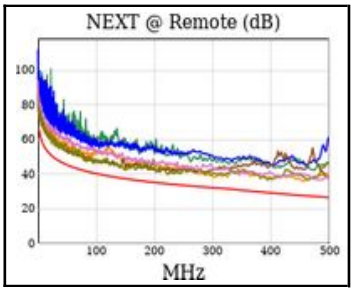


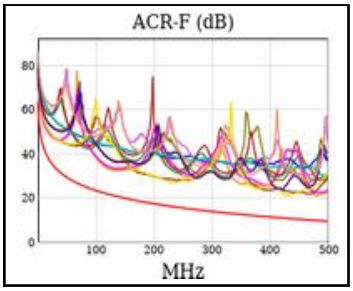
PASS

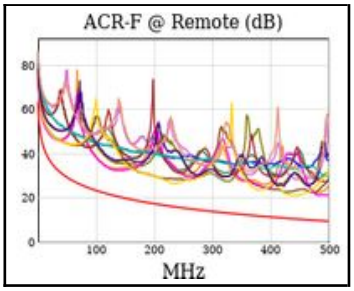


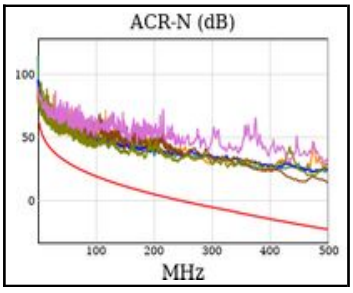


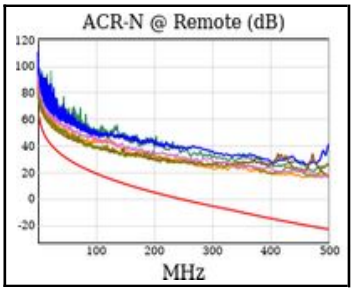


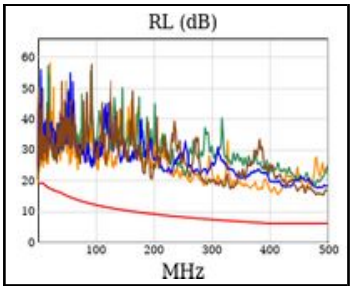


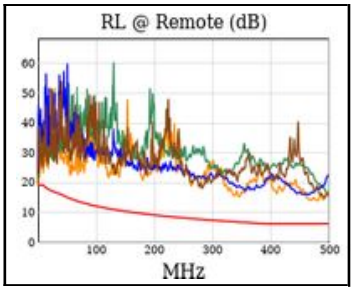












FLUKE networks

LinkWare Live

Cable ID: 205-B

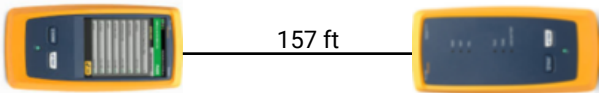
Test Summary: PASS

Date / Time: 12/10/2022 05:40:47 PM
Headroom: 5.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

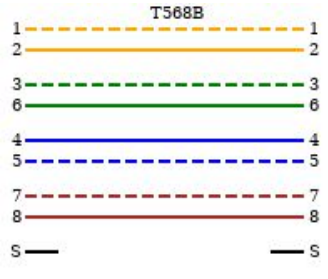
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

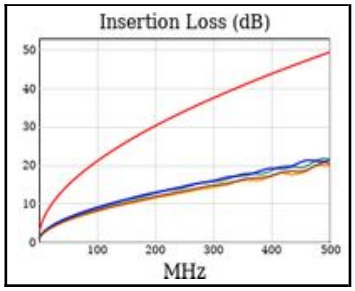
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	157
Prop. Delay (ns), Limit 555	[Pair 4,5]	249
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

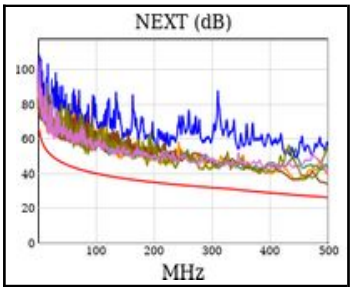


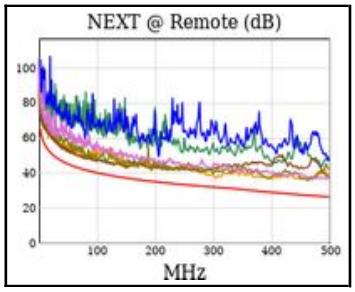
PASS



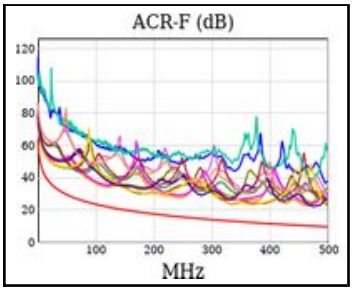


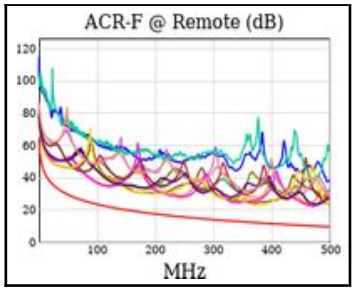
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.8	5.2	7.8	8.9
Freq. (MHz)	499.0	304.0	499.0	471.0
Limit (dB)	26.1	31.6	26.1	26.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.4	4.9	8.5	8.5
Freq. (MHz)	457.0	82.5	461.0	464.0
Limit (dB)	24.3	38.5	24.2	24.1



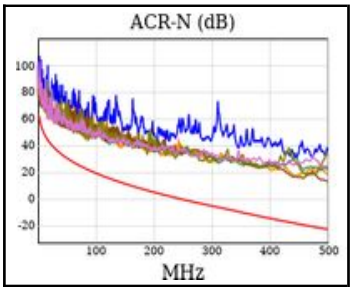


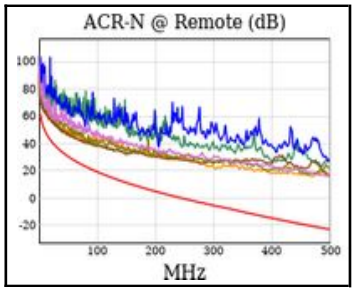
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	7,8-3,6	1,2-3,6
ACR-F (dB)	10.4	10.7	12.2	12.1
Freq. (MHz)	334.0	372.0	475.0	473.0
Limit (dB)	12.8	11.8	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	11.1	13.1	12.4
Freq. (MHz)	334.0	334.0	499.0	473.0
Limit (dB)	9.8	9.8	6.3	6.8



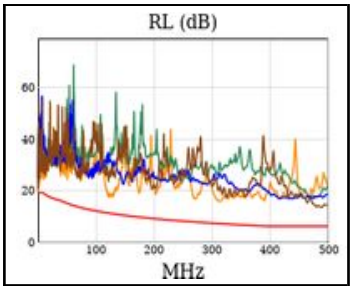


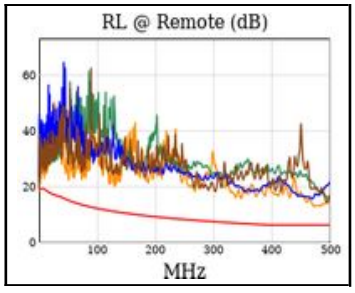
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.1	9.4	36.0	36.1
Freq. (MHz)	4.0	4.0	500.0	471.0
Limit (dB)	58.9	58.9	-23.2	-20.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.4	9.9	37.3	38.5
Freq. (MHz)	4.0	3.9	499.0	499.0
Limit (dB)	56.4	56.7	-26.0	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.0	6.6	7.2	6.6
Freq. (MHz)	124.0	485.0	489.0	485.0
Limit (dB)	11.1	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 206-A

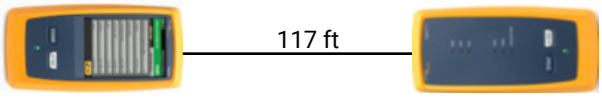
Test Summary: PASS

Date / Time: 12/10/2022 05:42:29 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

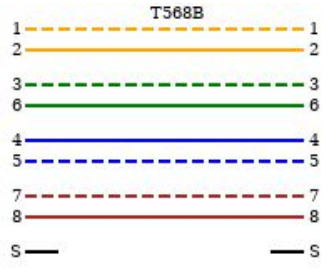
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

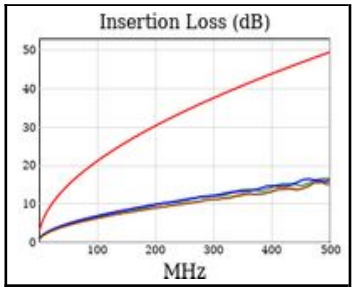
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

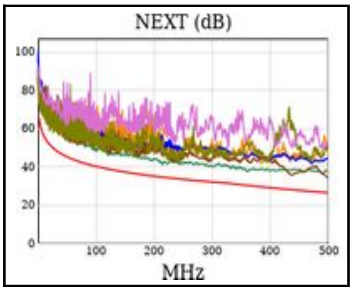
Length (ft), Limit 328	[Pair 1,2]	117
Prop. Delay (ns), Limit 555	[Pair 4,5]	185
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	5.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.5
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

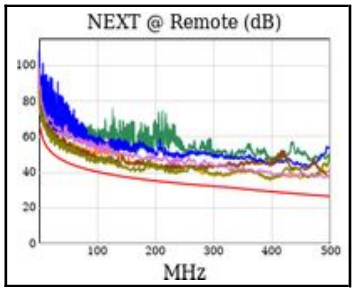


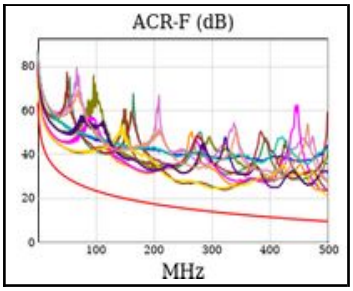
PASS

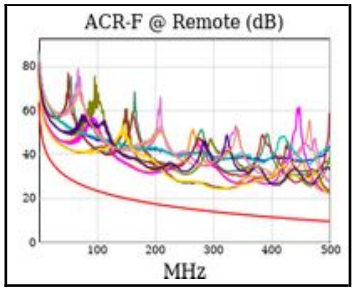


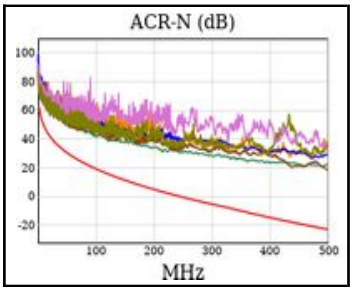


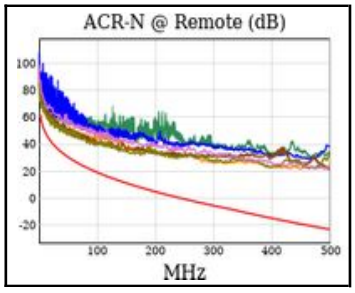


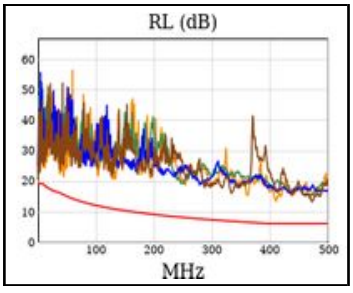


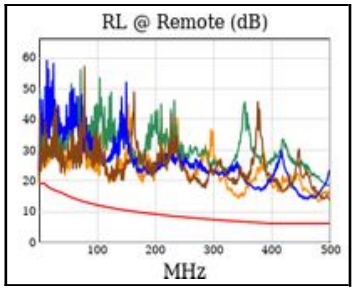












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.6	3.7	7.8	6.1
Freq. (MHz)	216.0	175.0	500.0	397.0
Limit (dB)	34.2	35.8	26.1	28.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.7	4.0	9.1	6.5
Freq. (MHz)	3.1	157.0	500.0	397.0
Limit (dB)	62.0	33.7	23.2	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.4	10.5	11.7	12.2
Freq. (MHz)	319.0	311.0	500.0	500.0
Limit (dB)	13.2	13.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.6	11.4	12.4	13.3
Freq. (MHz)	10.0	1.0	498.0	499.0
Limit (dB)	40.3	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.5	9.7	41.1	44.0
Freq. (MHz)	3.0	3.0	500.0	498.0
Limit (dB)	61.4	61.4	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.2	9.0	42.4	41.2
Freq. (MHz)	3.0	3.0	500.0	465.0
Limit (dB)	58.4	58.4	-26.1	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.9	6.2	6.9	6.8
Freq. (MHz)	45.3	45.5	473.0	481.0
Limit (dB)	15.4	15.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 206-B

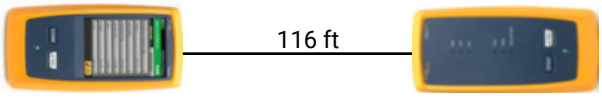
Test Summary: PASS

Date / Time: 12/10/2022 05:48:31 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

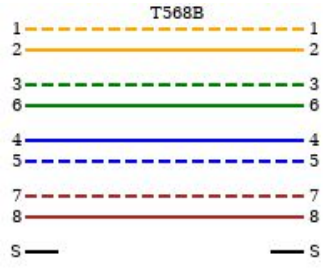
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

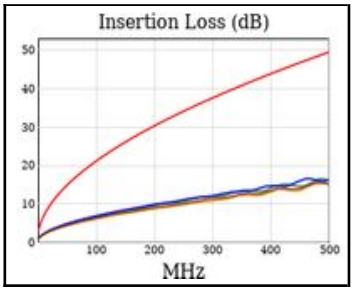
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

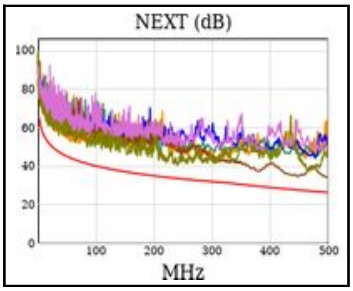
Length (ft), Limit 328	[Pair 1,2]	116
Prop. Delay (ns), Limit 555	[Pair 4,5]	184
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	5.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.4
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

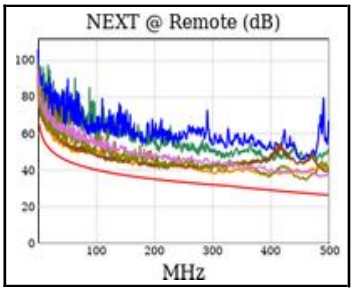


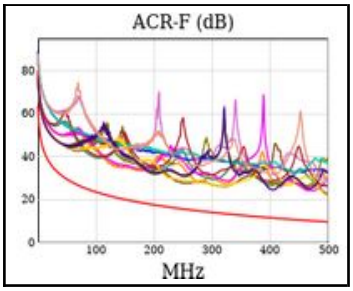
PASS

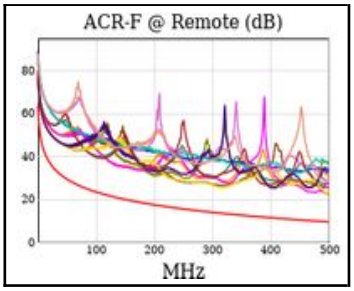


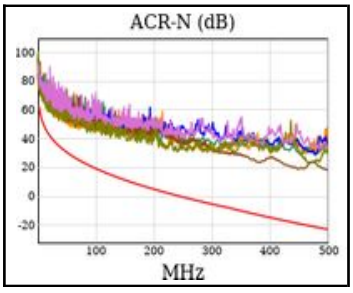


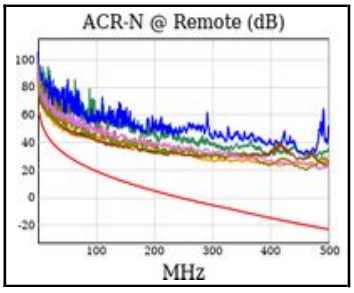


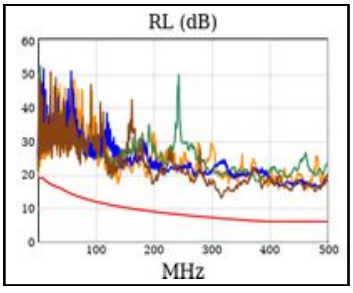


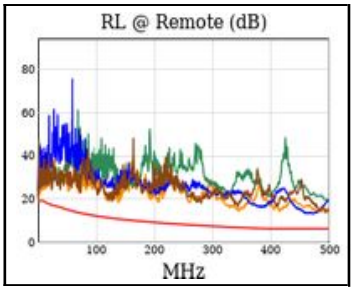












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.9	5.6	7.7	7.0
Freq. (MHz)	240.5	58.8	498.0	463.0
Limit (dB)	33.4	43.8	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.2	5.2	10.1	8.2
Freq. (MHz)	3.0	142.0	498.0	463.0
Limit (dB)	62.0	34.4	23.3	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	12.1	11.9	12.2	12.4
Freq. (MHz)	256.0	317.0	500.0	500.0
Limit (dB)	15.1	13.2	9.3	9.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	12.2	12.2	13.8	13.1
Freq. (MHz)	9.1	9.1	500.0	500.0
Limit (dB)	41.1	41.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.1	10.8	41.0	39.7
Freq. (MHz)	2.9	2.8	498.0	463.0
Limit (dB)	61.4	61.5	-23.1	-20.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	10.1	43.1	40.7
Freq. (MHz)	3.0	3.0	498.0	463.0
Limit (dB)	58.4	58.4	-25.9	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	4,5	7,8	4,5
RL (dB)	6.1	6.8	6.1	6.8
Freq. (MHz)	317.0	474.0	317.0	474.0
Limit (dB)	7.0	6.0	7.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 212-A

Test Summary: PASS

Date / Time: 12/10/2022 05:50:01 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	297
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	8.5
Insertion Loss Margin (dB)	[Pair 3,6]	23.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	8.3	3.4	8.3	7.1
Freq. (MHz)	500.0	165.0	500.0	457.0
Limit (dB)	26.1	36.2	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	9.0	3.8	9.9	7.9
Freq. (MHz)	5.1	159.0	500.0	457.0
Limit (dB)	58.8	33.6	23.2	24.3

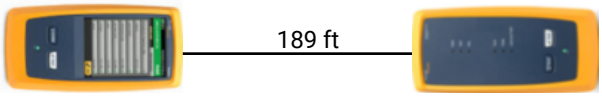
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.4	10.1	10.9	11.2
Freq. (MHz)	164.0	164.0	498.0	500.0
Limit (dB)	19.0	19.0	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	11.6	12.7	11.7
Freq. (MHz)	9.6	490.0	492.0	494.0
Limit (dB)	40.6	6.5	6.4	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	4,5-7,8
ACR-N (dB)	11.4	9.2	32.6	33.6
Freq. (MHz)	3.4	8.6	500.0	480.0
Limit (dB)	60.4	51.6	-23.2	-21.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.1	8.8	34.2	32.4
Freq. (MHz)	3.5	5.0	500.0	472.0
Limit (dB)	57.6	54.3	-26.1	-23.9

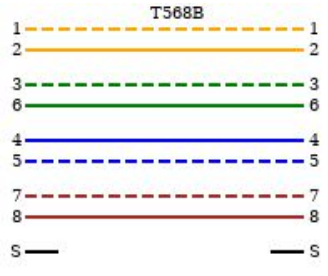
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.7	5.4	8.9	7.5
Freq. (MHz)	16.9	17.1	500.0	484.0
Limit (dB)	17.9	17.8	6.0	6.0

Compliant Network Standards:

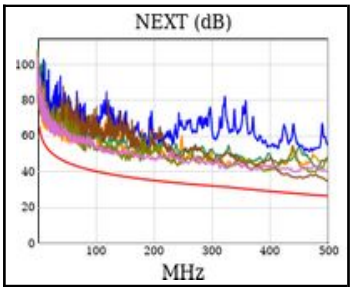
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

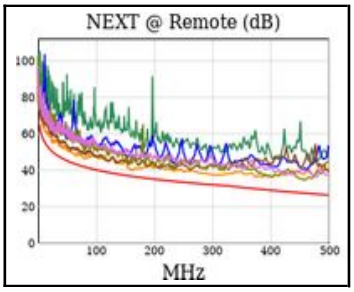


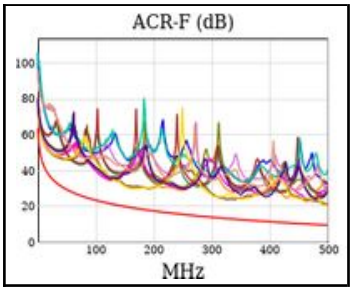
PASS

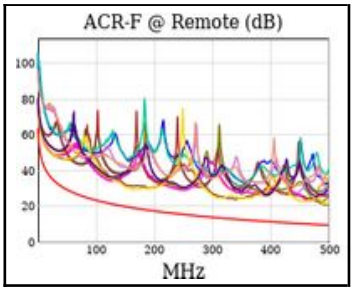


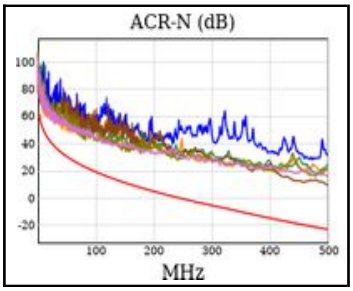


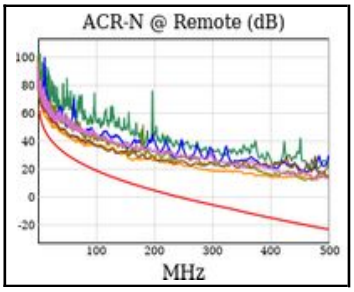


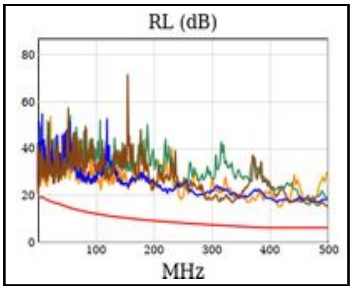


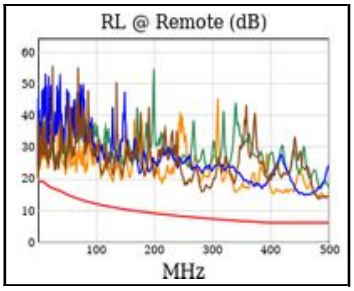












FLUKE networks

LinkWare Live

Cable ID: 212-B

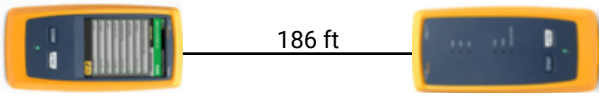
Test Summary: PASS

Date / Time: 12/10/2022 05:50:33 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

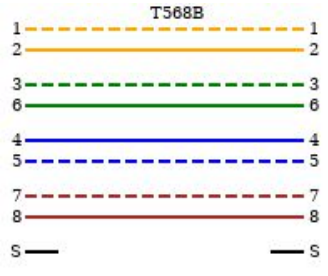
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

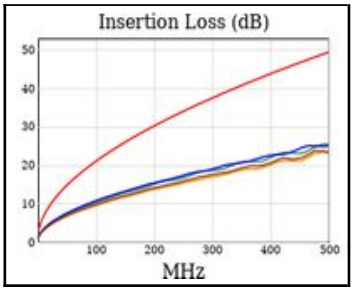
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

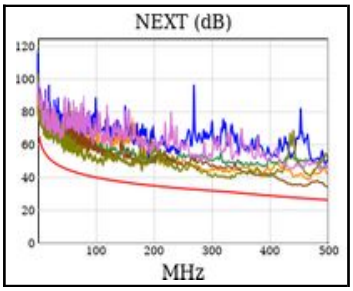
Length (ft), Limit 328	[Pair 1,2]	186
Prop. Delay (ns), Limit 555	[Pair 4,5]	296
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	23.5
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

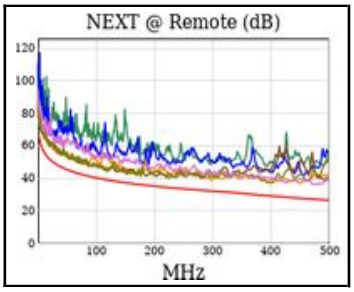


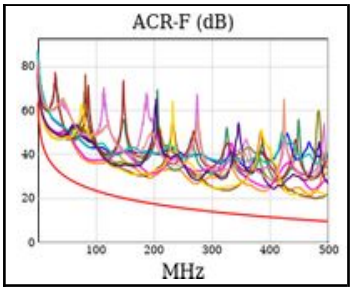
PASS

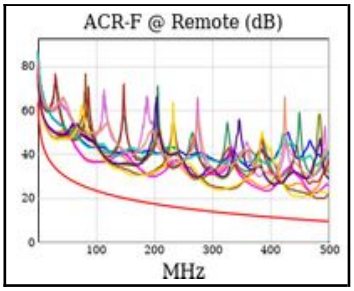


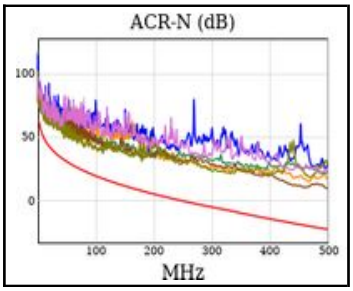


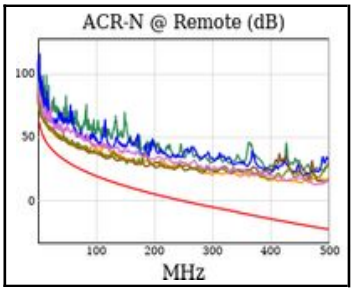


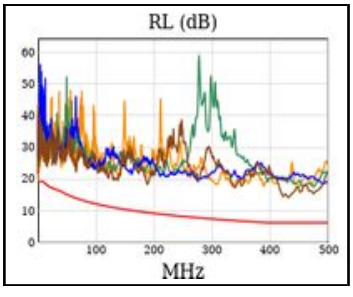


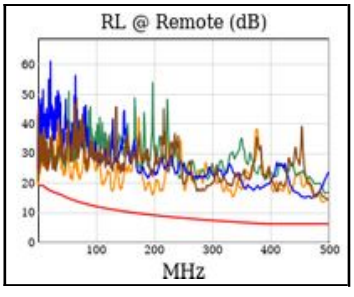












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	4,5-7,8
NEXT (dB)	7.5	5.0	7.9	9.1
Freq. (MHz)	459.0	171.0	500.0	481.0
Limit (dB)	27.1	36.0	26.1	26.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.7	4.0	8.9	7.8
Freq. (MHz)	461.0	171.0	468.0	399.0
Limit (dB)	24.2	33.0	24.0	25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	10.1	10.1	10.3
Freq. (MHz)	479.0	482.0	481.0	491.0
Limit (dB)	9.7	9.6	9.6	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.7	11.0	11.2
Freq. (MHz)	9.1	9.1	469.0	481.0
Limit (dB)	41.1	41.1	6.8	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	11.4	9.2	32.2	33.7
Freq. (MHz)	3.4	3.4	500.0	481.0
Limit (dB)	60.4	60.4	-23.2	-21.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	10.8	9.1	34.0	34.1
Freq. (MHz)	3.6	3.4	500.0	482.0
Limit (dB)	57.3	57.9	-26.1	-24.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	5.8	6.2	8.0	7.3
Freq. (MHz)	17.0	129.5	434.0	490.0
Limit (dB)	17.8	10.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 213-A

Test Summary: PASS

Date / Time: 12/10/2022 05:52:37 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	184
Prop. Delay (ns), Limit 555	[Pair 4,5]	292
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.3
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	4.6	8.2	6.1
Freq. (MHz)	253.0	172.5	500.0	395.0
Limit (dB)	33.0	35.9	26.1	28.9
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	8.3	4.6	9.3	8.0
Freq. (MHz)	228.0	172.5	500.0	460.0
Limit (dB)	30.9	33.0	23.2	24.2

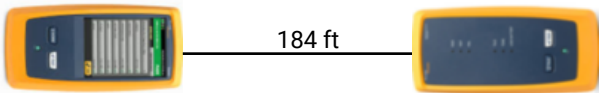
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.4	9.9	9.5
Freq. (MHz)	468.0	452.0	468.0	453.0
Limit (dB)	9.9	10.2	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	9.7	11.0	9.7
Freq. (MHz)	7.3	481.0	472.0	481.0
Limit (dB)	43.1	6.6	6.8	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	13.6	11.2	32.9	35.7
Freq. (MHz)	3.5	3.3	500.0	500.0
Limit (dB)	60.1	60.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	12.0	10.3	34.0	32.3
Freq. (MHz)	3.8	3.5	500.0	460.0
Limit (dB)	57.0	57.6	-26.1	-22.9

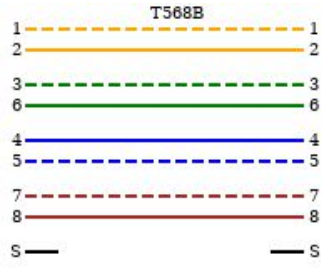
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.6	3.3	8.2	5.9
Freq. (MHz)	41.5	41.5	479.0	347.0
Limit (dB)	15.8	15.8	6.0	6.6

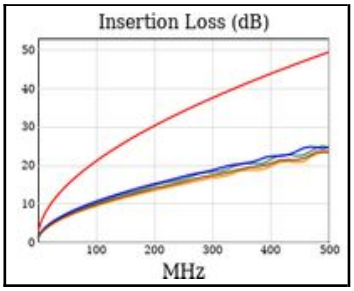
Compliant Network Standards:

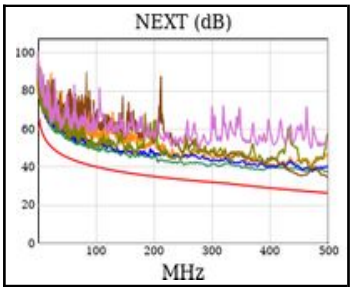
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

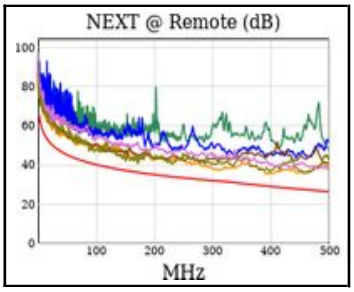


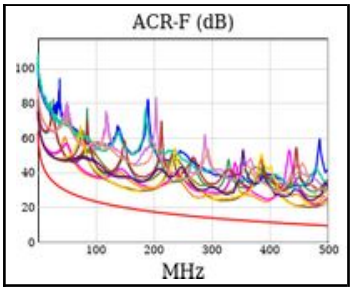
PASS

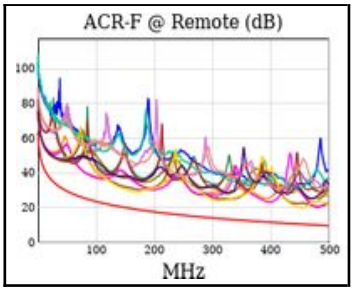


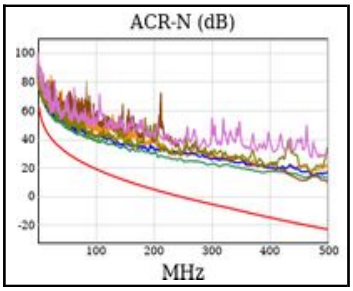


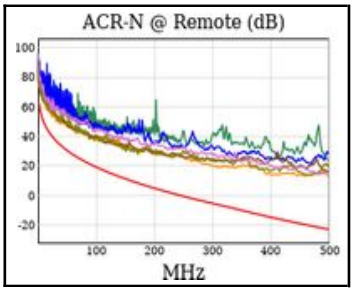


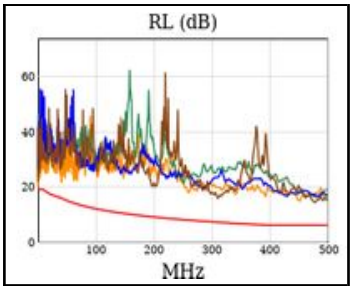


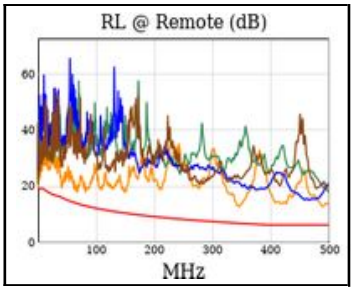












FLUKE networks

LinkWare Live

Cable ID: 213-B

Test Summary: PASS

Date / Time: 12/10/2022 05:52:51 PM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	183
Prop. Delay (ns), Limit 555	[Pair 4,5]	291
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 4,5]	8.3
Insertion Loss Margin (dB)	[Pair 4,5]	24.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.8	5.4	7.0	7.6
Freq. (MHz)	176.0	311.0	500.0	459.0
Limit (dB)	35.7	31.5	26.1	27.1
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	8.8	5.4	9.3	8.0
Freq. (MHz)	172.0	200.0	500.0	459.0
Limit (dB)	33.0	31.9	23.2	24.2

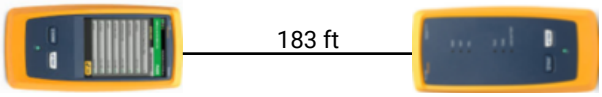
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.5	9.9	10.8	10.0
Freq. (MHz)	267.0	447.0	470.0	451.0
Limit (dB)	14.7	10.3	9.8	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.1	11.4	11.4
Freq. (MHz)	5.3	2.5	456.0	471.0
Limit (dB)	45.9	52.3	7.1	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	11.5	9.3	31.6	34.0
Freq. (MHz)	3.1	3.3	500.0	487.0
Limit (dB)	61.1	60.7	-23.2	-22.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.2	9.7	34.1	35.7
Freq. (MHz)	3.8	3.6	500.0	499.0
Limit (dB)	57.0	57.3	-26.1	-26.0

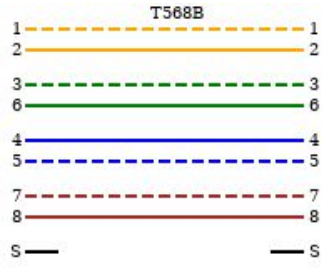
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.3	3.2	8.9	6.3
Freq. (MHz)	41.5	41.5	476.0	492.0
Limit (dB)	15.8	15.8	6.0	6.0

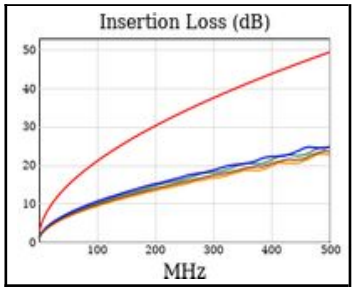
Compliant Network Standards:

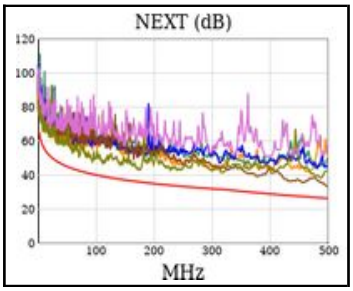
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

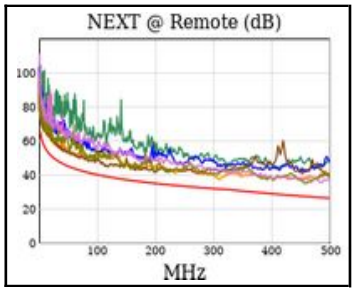


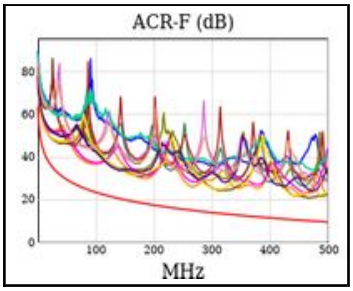
PASS

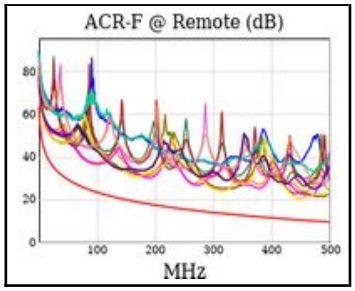


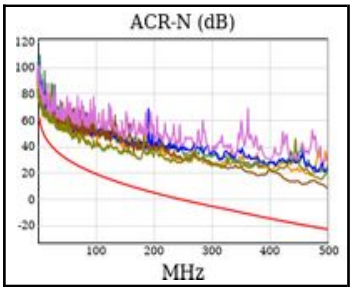


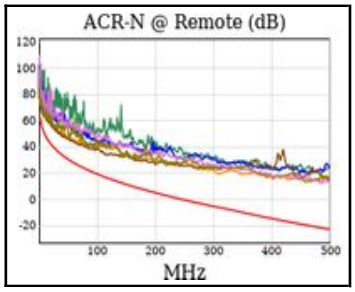


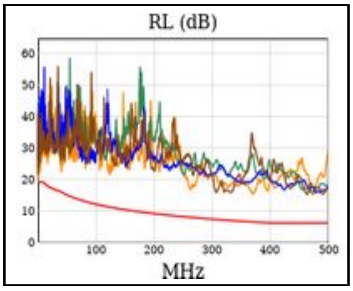


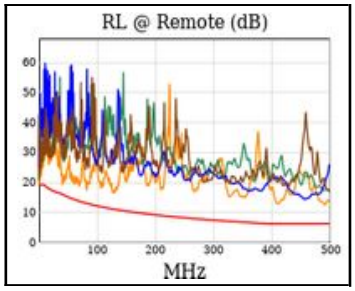












FLUKE networks

LinkWare Live

Cable ID: 214-A

Test Summary: PASS

Date / Time: 12/10/2022 05:15:33 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	107
Prop. Delay (ns), Limit 555	[Pair 4,5]	167
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 1,2]	33.3
Frequency (MHz)	[Pair 1,2]	483.0
Limit (dB)	[Pair 1,2]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	5.3	1.9	7.9	7.8
Freq. (MHz)	99.5	99.5	500.0	454.0
Limit (dB)	40.0	40.0	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.4	2.7	9.1	6.3
Freq. (MHz)	9.9	168.0	500.0	399.0
Limit (dB)	54.1	33.2	23.2	25.8

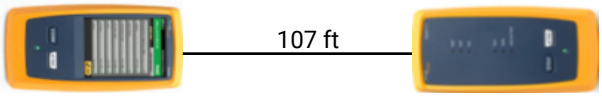
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	10.0	9.7	10.3	10.8
Freq. (MHz)	312.0	312.0	403.0	403.0
Limit (dB)	13.4	13.4	11.2	11.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.2	11.1	12.7
Freq. (MHz)	403.0	1.0	403.0	404.0
Limit (dB)	8.2	60.3	8.2	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	8.5	42.5	42.1
Freq. (MHz)	6.6	6.3	500.0	468.0
Limit (dB)	54.2	54.8	-23.2	-20.7
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.6	8.9	43.7	44.3
Freq. (MHz)	3.3	6.3	500.0	500.0
Limit (dB)	58.2	52.2	-26.1	-26.1

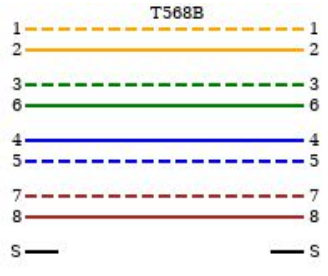
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	5.9	3.9	8.1	5.1
Freq. (MHz)	29.9	102.0	472.0	483.0
Limit (dB)	16.6	11.9	6.0	6.0

Compliant Network Standards:

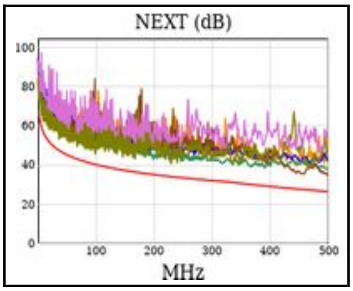
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

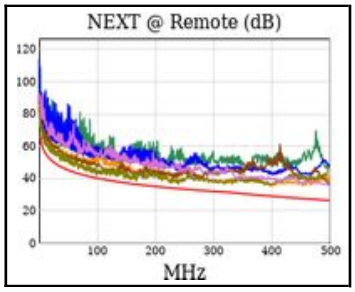


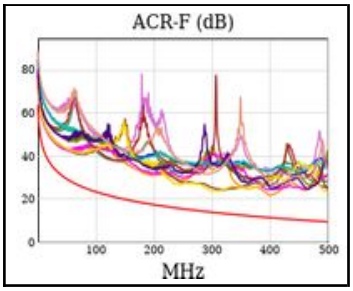
PASS

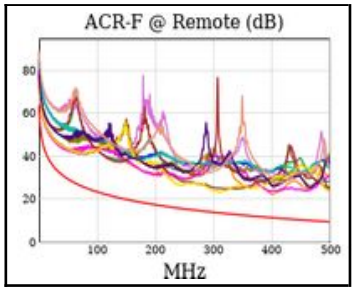


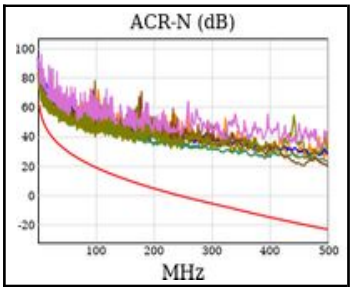


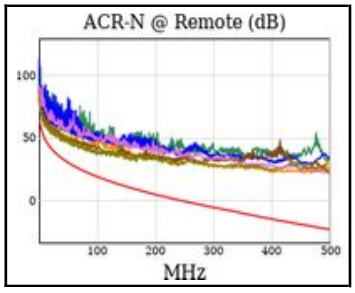


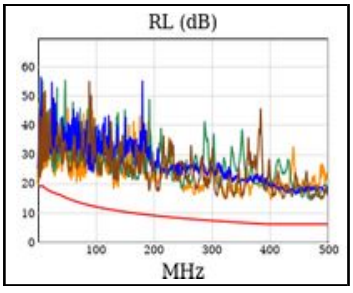


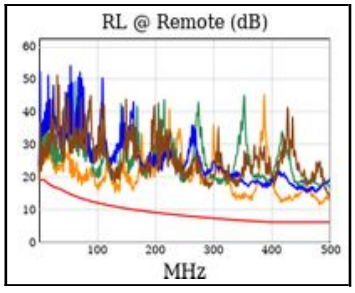












FLUKE networks

LinkWare Live

Cable ID: 217-A

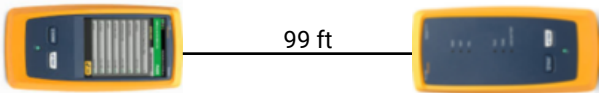
Test Summary: PASS

Date / Time: 11/19/2022 06:58:22 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

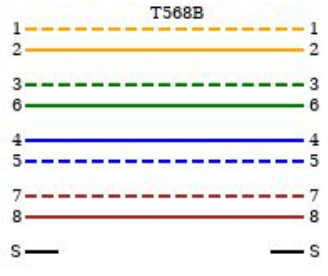
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	156
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	4.6
Insertion Loss Margin (dB)	[Pair 3,6]	35.0
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1



PASS



PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	1,2-3,6
NEXT (dB)	3.7	3.1	6.4	5.7
Freq. (MHz)	20.4	156.0	458.0	451.0
Limit (dB)	51.5	36.6	27.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.3	3.5	7.4	5.0
Freq. (MHz)	159.5	151.5	458.0	454.0
Limit (dB)	33.6	34.0	24.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.7	9.6	11.0	11.4
Freq. (MHz)	5.1	5.1	500.0	500.0
Limit (dB)	49.1	49.1	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	9.3	11.2	12.0
Freq. (MHz)	8.1	1.1	473.0	497.0
Limit (dB)	42.1	59.2	6.8	6.3

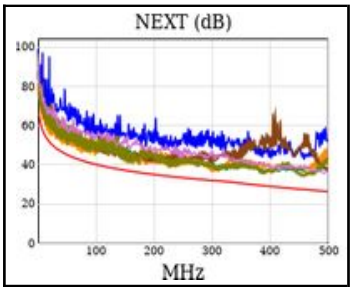
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-4,5	3,6-4,5
ACR-N (dB)	8.8	9.9	42.1	42.7
Freq. (MHz)	5.5	5.6	468.0	497.0
Limit (dB)	56.0	55.8	-20.7	-23.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.0	10.9	44.5	39.7
Freq. (MHz)	6.1	3.3	498.0	454.0
Limit (dB)	52.4	58.2	-25.9	-22.4

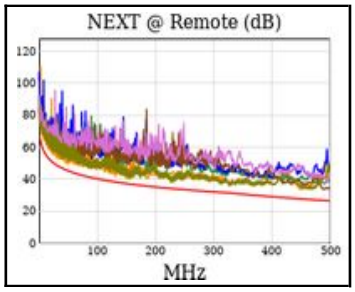
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.9	6.5	5.9	6.5
Freq. (MHz)	196.5	421.0	464.0	421.0
Limit (dB)	9.1	6.0	6.0	6.0

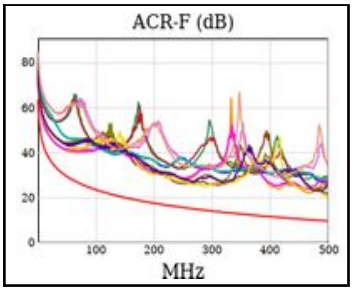
Compliant Network Standards:

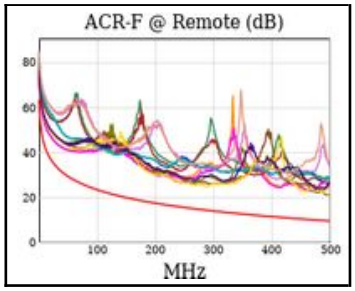
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

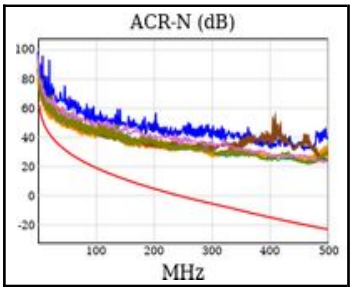


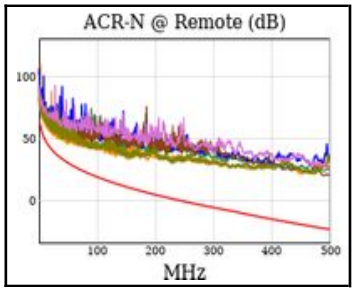


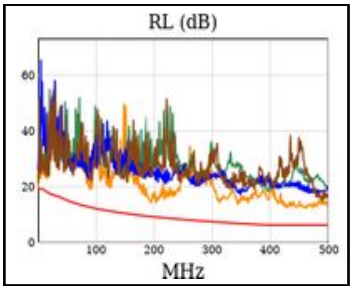


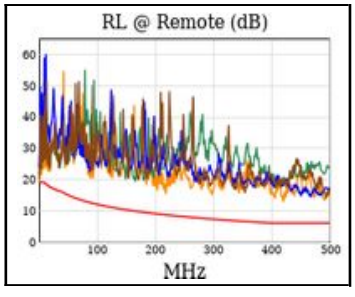












FLUKE networks

LinkWare Live

Cable ID: 217-B

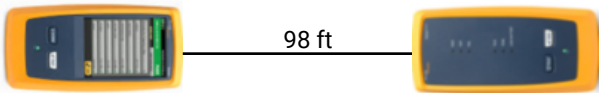
Test Summary: PASS

Date / Time: 11/19/2022 06:58:46 PM
Headroom: 1.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

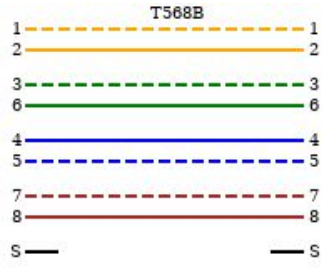
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	98
Prop. Delay (ns), Limit 555	[Pair 4,5]	155
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	4.5
Insertion Loss Margin (dB)	[Pair 3,6]	35.1
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9



PASS



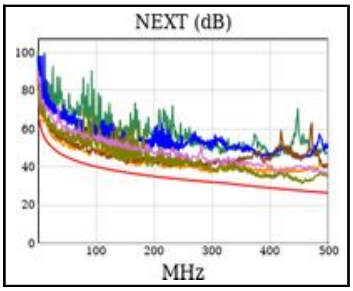
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.6	1.3	3.6	5.3
Freq. (MHz)	456.0	190.0	456.0	475.0
Limit (dB)	27.2	35.2	27.2	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.5	3.7	5.7	7.2
Freq. (MHz)	153.0	190.0	456.0	475.0
Limit (dB)	33.9	32.2	24.3	23.8

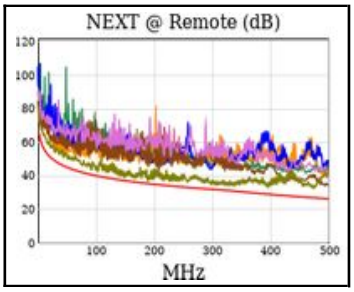
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.6	10.1	9.6
Freq. (MHz)	321.0	322.0	321.0	322.0
Limit (dB)	13.1	13.1	13.1	13.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.2	12.4	12.8
Freq. (MHz)	1.0	1.0	406.0	400.0
Limit (dB)	60.3	60.3	8.1	8.2

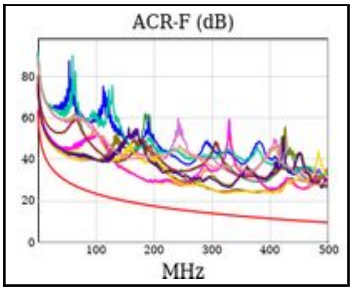
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	9.6	10.5	39.2	40.9
Freq. (MHz)	5.0	3.0	456.0	475.0
Limit (dB)	56.9	61.4	-19.7	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.6	9.2	40.6	41.9
Freq. (MHz)	3.5	3.6	456.0	475.0
Limit (dB)	57.6	57.3	-22.6	-24.1

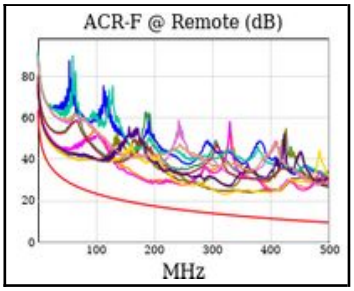
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.4	5.9	5.4	8.4
Freq. (MHz)	453.0	221.0	453.0	425.0
Limit (dB)	6.0	8.6	6.0	6.0

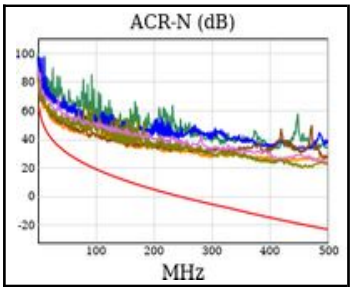


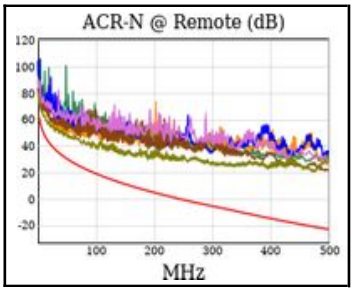


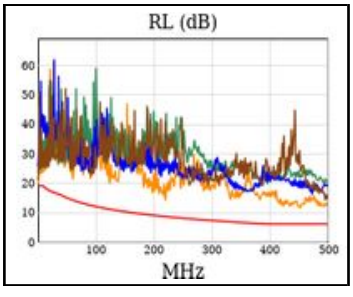


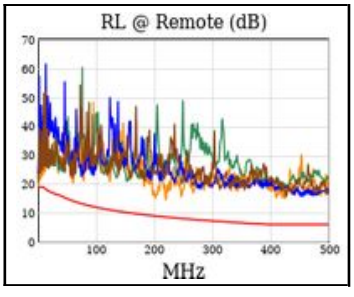












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 218-A

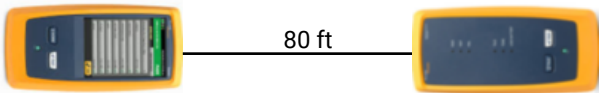
Test Summary: PASS

Date / Time: 11/19/2022 06:59:04 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

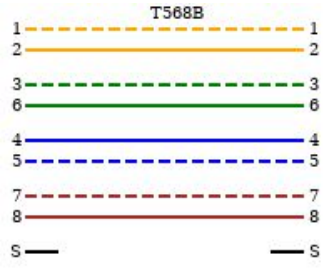
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

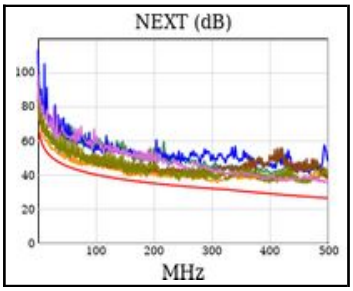
Length (ft), Limit 328	[Pair 1,2]	80
Prop. Delay (ns), Limit 555	[Pair 4,5]	126
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	3.7
Insertion Loss Margin (dB)	[Pair 3,6]	37.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

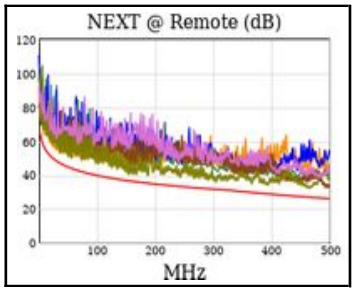


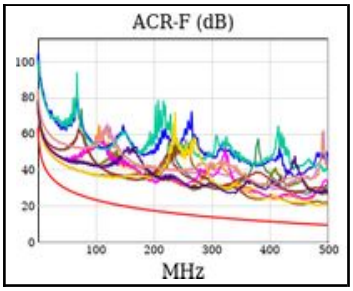
PASS

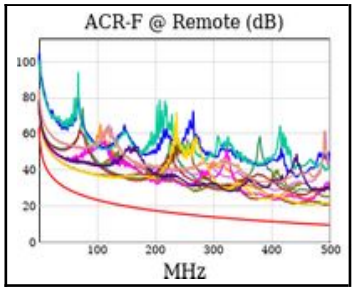


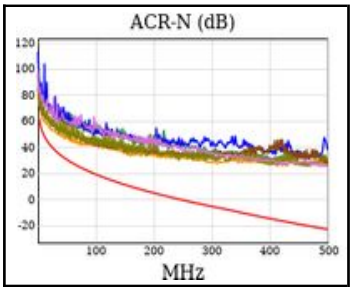


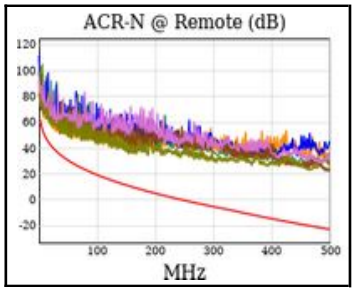


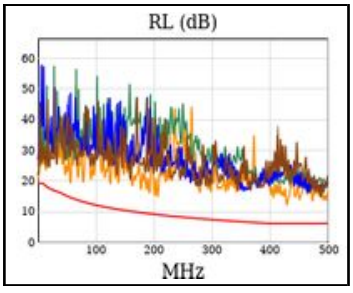


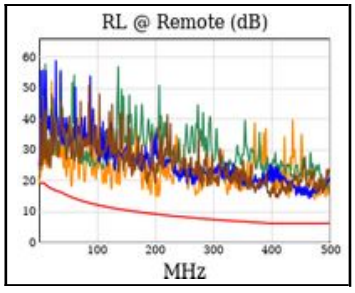












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	2.4	3.7	7.5	5.2
Freq. (MHz)	159.5	154.5	461.0	466.0
Limit (dB)	36.5	36.7	27.1	26.9
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	2.2	5.2	8.3	7.2
Freq. (MHz)	159.5	154.5	470.0	498.0
Limit (dB)	33.6	33.8	23.9	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	10.2	10.0	10.3
Freq. (MHz)	484.0	459.0	484.0	463.0
Limit (dB)	9.6	10.0	9.6	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.4	12.1	12.3
Freq. (MHz)	5.6	1.1	500.0	492.0
Limit (dB)	45.3	59.2	6.3	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	4,5-7,8	3,6-4,5
ACR-N (dB)	9.7	11.3	47.5	44.6
Freq. (MHz)	8.8	4.4	494.0	498.0
Limit (dB)	51.5	58.1	-22.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	10.8	47.2	44.5
Freq. (MHz)	3.9	4.4	498.0	498.0
Limit (dB)	56.7	55.6	-25.9	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.7	3.5	5.8	7.4
Freq. (MHz)	56.8	56.8	430.0	475.0
Limit (dB)	14.5	14.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 218-B

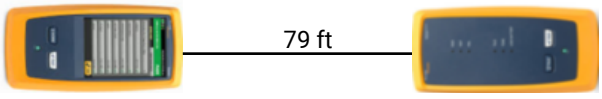
Test Summary: PASS

Date / Time: 11/19/2022 07:13:48 PM
Headroom: 2.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

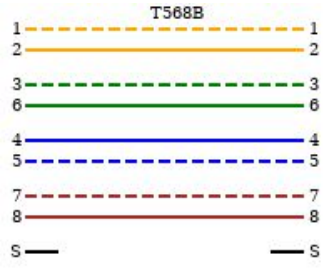
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	79
Prop. Delay (ns), Limit 555	[Pair 4,5]	125
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	3.8
Insertion Loss Margin (dB)	[Pair 3,6]	37.1
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

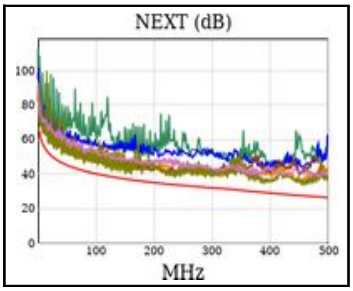


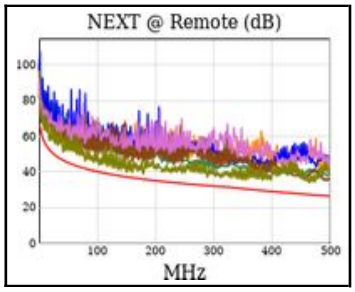
PASS



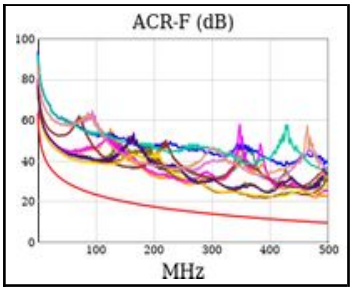


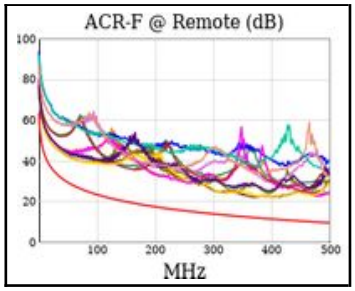
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.0	2.3	5.9	6.4
Freq. (MHz)	151.5	151.5	461.0	465.0
Limit (dB)	36.9	36.9	27.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.5	4.8	6.6	7.6
Freq. (MHz)	161.5	151.5	456.0	461.0
Limit (dB)	33.5	34.0	24.3	24.2



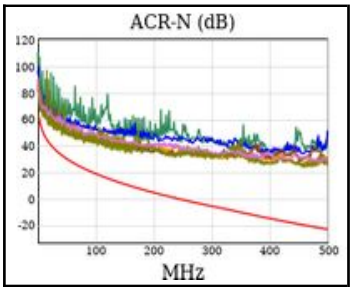


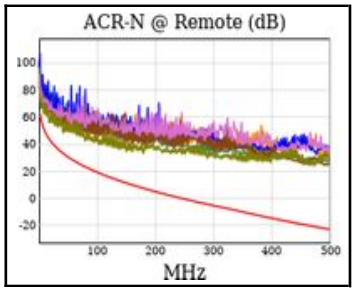
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.9	10.1	10.5
Freq. (MHz)	374.0	370.0	394.0	405.0
Limit (dB)	11.8	11.9	11.3	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.1	11.9	12.4
Freq. (MHz)	1.4	5.6	477.0	475.0
Limit (dB)	57.5	45.3	6.7	6.7



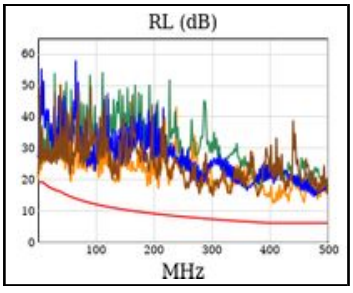


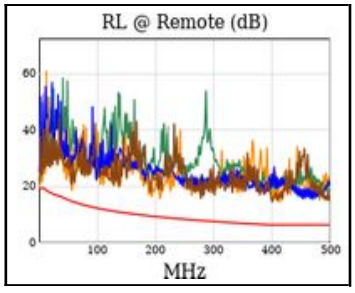
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	9.3	9.1	43.5	44.7
Freq. (MHz)	5.0	5.0	461.0	475.0
Limit (dB)	56.9	56.9	-20.1	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	9.6	43.6	45.9
Freq. (MHz)	4.4	4.5	456.0	490.0
Limit (dB)	55.6	55.3	-22.6	-25.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.8	3.9	6.1	7.8
Freq. (MHz)	57.5	57.5	406.0	415.0
Limit (dB)	14.4	14.4	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 221-A

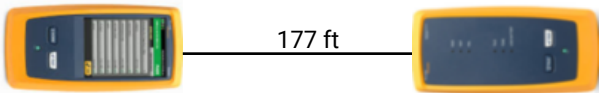
Test Summary: PASS

Date / Time: 11/19/2022 07:19:15 PM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

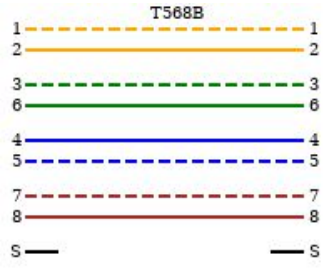
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	177
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.2
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.4	5.5	7.4	5.5
Freq. (MHz)	228.5	460.0	456.0	460.0
Limit (dB)	33.8	27.1	27.2	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	7.6	7.4	7.8
Freq. (MHz)	304.0	3.8	461.0	460.0
Limit (dB)	28.7	61.0	24.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	9.9	9.4	9.9	9.5
Freq. (MHz)	500.0	495.0	500.0	499.0
Limit (dB)	9.3	9.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.0	12.1	11.1
Freq. (MHz)	335.0	2.6	500.0	497.0
Limit (dB)	9.8	51.9	6.3	6.3

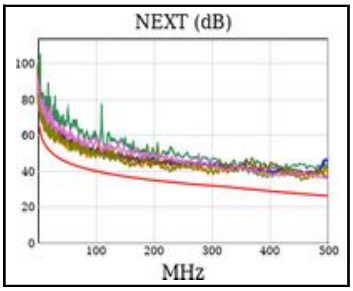
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-7,8
ACR-N (dB)	10.6	11.0	36.1	32.3
Freq. (MHz)	5.5	3.8	500.0	460.0
Limit (dB)	56.0	59.5	-23.2	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.9	9.8	33.7	36.2
Freq. (MHz)	3.6	3.8	476.0	497.0
Limit (dB)	57.3	57.0	-24.2	-25.8

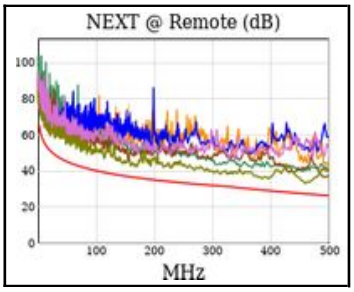
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	1,2
RL (dB)	6.0	6.3	7.9	9.5
Freq. (MHz)	12.9	12.8	439.0	462.0
Limit (dB)	18.5	18.5	6.0	6.0

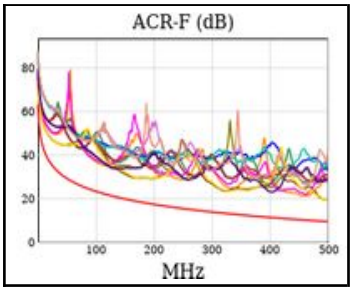
Compliant Network Standards:

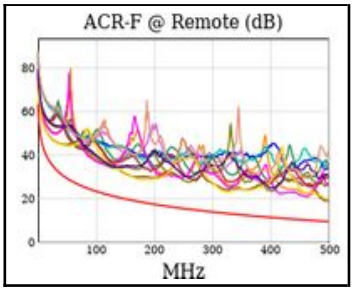
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

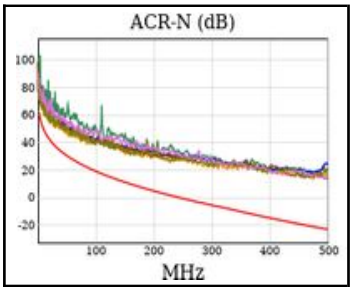


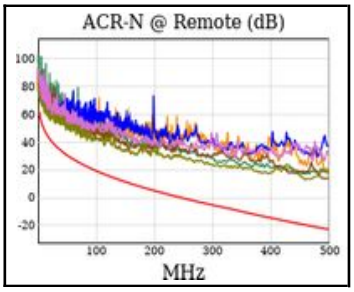


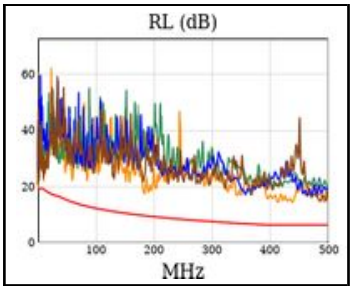


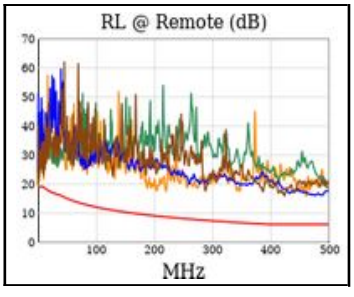












FLUKE networks

LinkWare Live

Cable ID: 221-B

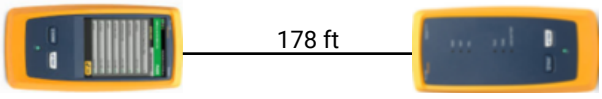
Test Summary: PASS

Date / Time: 11/19/2022 07:19:35 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

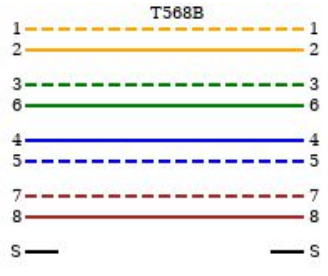
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

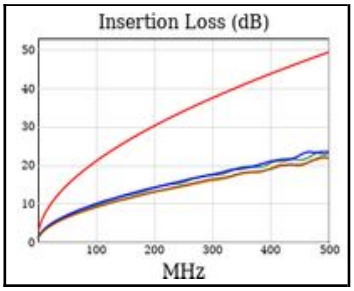
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

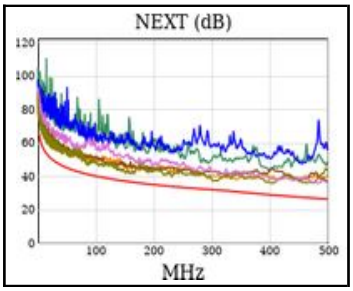
Length (ft), Limit 328	[Pair 1,2]	178
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	8.1
Insertion Loss Margin (dB)	[Pair 3,6]	25.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

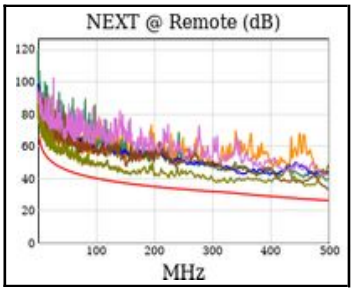


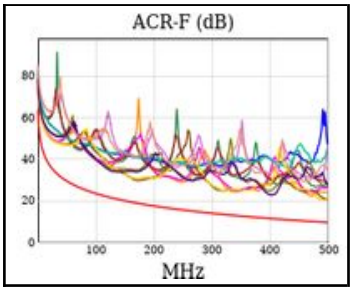
PASS

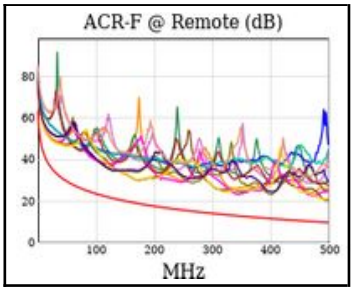


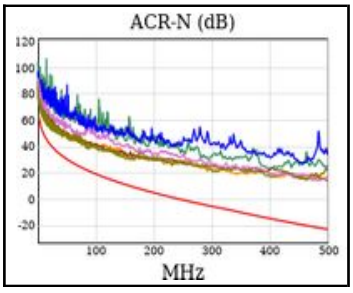


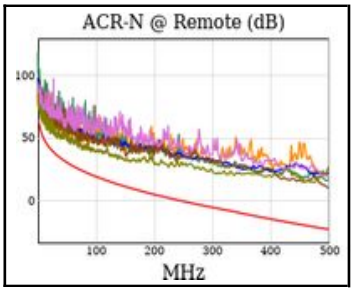


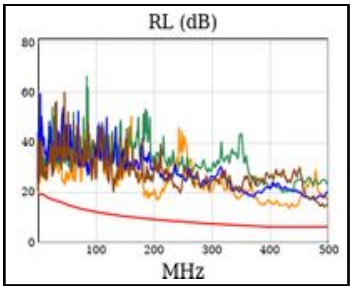


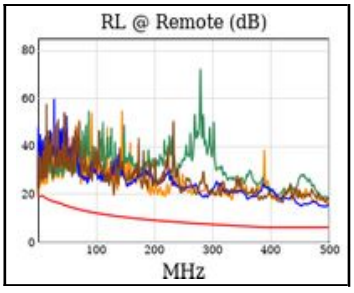












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
NEXT (dB)	4.6	5.4	9.0	6.8
Freq. (MHz)	159.0	159.0	483.0	500.0
Limit (dB)	36.5	36.5	26.5	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.5	7.0	8.0	8.4
Freq. (MHz)	155.0	151.5	452.0	500.0
Limit (dB)	33.8	34.0	24.4	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	1,2-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.3	10.3	10.6
Freq. (MHz)	493.0	345.0	493.0	500.0
Limit (dB)	9.4	12.5	9.4	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.4	10.5	11.7	11.2
Freq. (MHz)	329.0	347.0	495.0	496.0
Limit (dB)	9.9	9.5	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.4	9.8	36.8	33.0
Freq. (MHz)	5.8	5.8	500.0	500.0
Limit (dB)	55.6	55.6	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.8	9.9	36.3	34.6
Freq. (MHz)	5.5	5.6	499.0	500.0
Limit (dB)	53.4	53.2	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.1	5.3	7.2	8.6
Freq. (MHz)	12.5	12.4	434.0	496.0
Limit (dB)	18.5	18.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 21-A

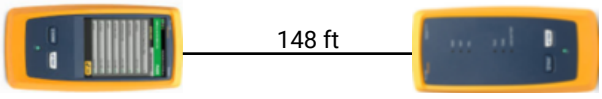
Test Summary: PASS

Date / Time: 12/18/2022 11:43:00 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

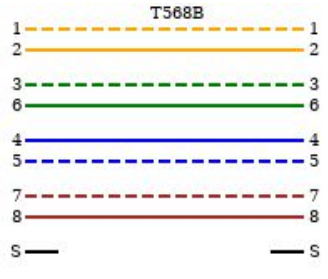
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

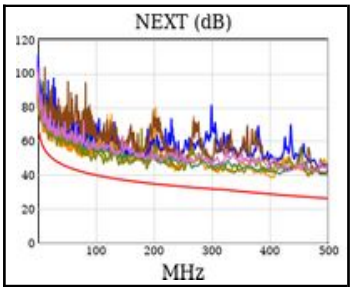
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 3,6]	28.7
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

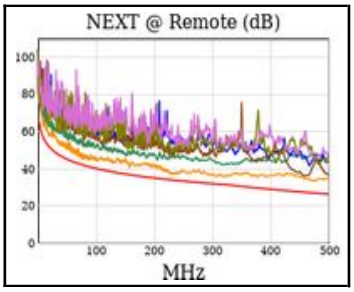


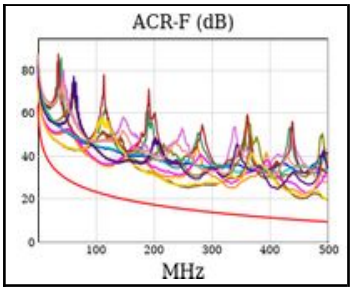
PASS

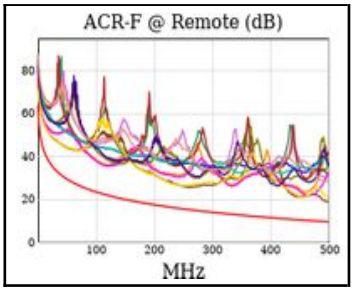


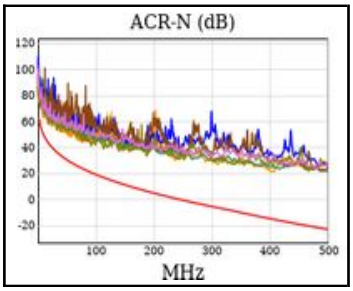


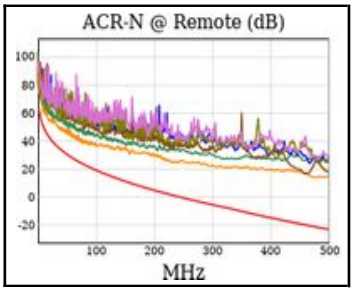


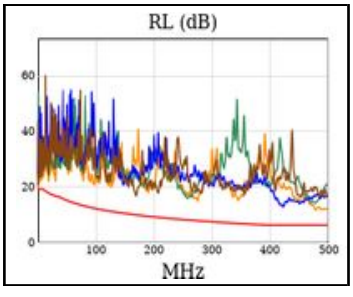


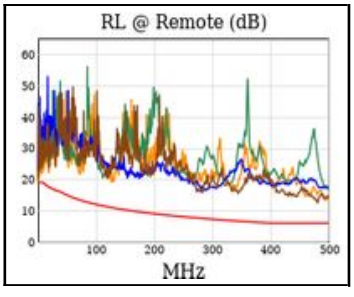












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	7.5	3.2	9.7	6.4
Freq. (MHz)	114.0	234.5	403.0	474.0
Limit (dB)	39.0	33.6	28.6	26.7
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	8.8	5.2	10.9	7.8
Freq. (MHz)	18.9	78.8	408.0	469.0
Limit (dB)	49.4	38.9	25.6	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	9.4	10.3	9.4
Freq. (MHz)	260.0	500.0	500.0	500.0
Limit (dB)	15.0	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.1	11.3	11.1
Freq. (MHz)	458.0	464.0	458.0	464.0
Limit (dB)	7.0	6.9	7.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	12.3	10.2	36.6	35.0
Freq. (MHz)	9.4	9.8	408.0	479.0
Limit (dB)	50.8	50.4	-15.6	-21.6
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	11.7	12.0	41.8	37.8
Freq. (MHz)	4.5	9.8	475.0	496.0
Limit (dB)	55.3	47.8	-24.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.2	4.5	5.3	6.3
Freq. (MHz)	19.4	19.5	480.0	481.0
Limit (dB)	17.6	17.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 21-B

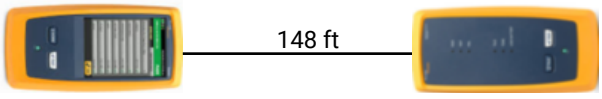
Test Summary: PASS

Date / Time: 12/18/2022 11:42:38 AM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

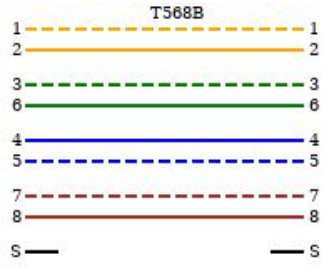
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

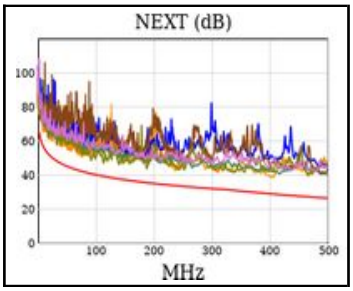
Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.1
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

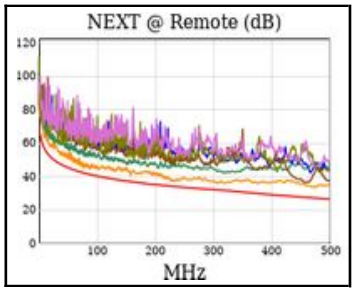


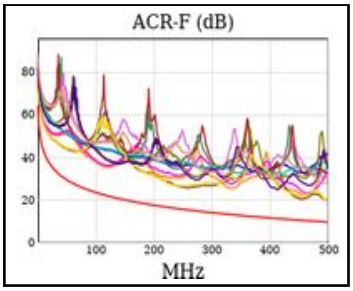
PASS

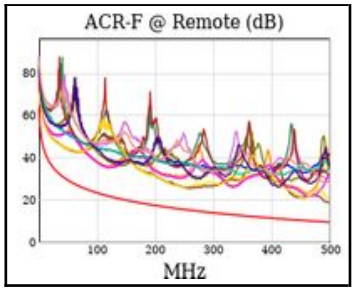


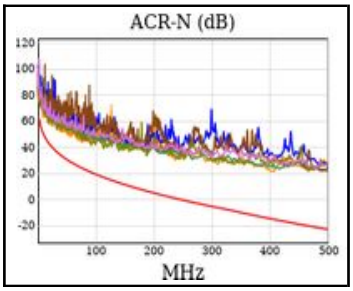


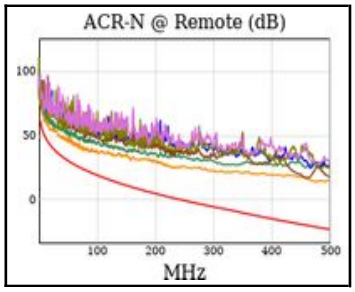


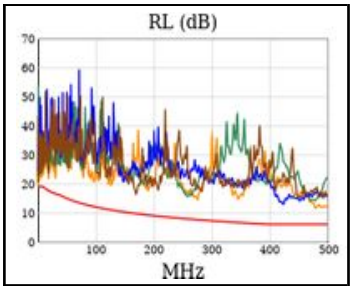


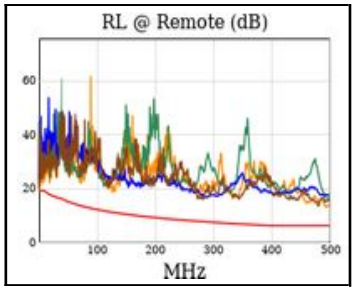












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	7.6	3.2	9.7	6.4
Freq. (MHz)	114.0	232.5	403.0	474.0
Limit (dB)	39.0	33.7	28.6	26.7
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	8.9	5.2	12.5	7.9
Freq. (MHz)	76.3	78.8	468.0	469.0
Limit (dB)	39.1	38.9	24.0	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.0	9.3	10.2	9.3
Freq. (MHz)	454.0	499.0	500.0	499.0
Limit (dB)	10.1	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	11.2	11.2
Freq. (MHz)	456.0	465.0	456.0	465.0
Limit (dB)	7.1	6.9	7.1	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	12.4	10.3	36.6	35.1
Freq. (MHz)	9.5	9.8	408.0	479.0
Limit (dB)	50.6	50.4	-15.6	-21.6
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	11.8	12.0	41.8	37.8
Freq. (MHz)	4.5	9.6	475.0	496.0
Limit (dB)	55.3	47.9	-24.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.2	4.4	5.4	6.7
Freq. (MHz)	19.5	19.5	480.0	494.0
Limit (dB)	17.5	17.5	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 214-B

Test Summary: PASS

Date / Time: 12/10/2022 05:15:53 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	105
Prop. Delay (ns), Limit 555	[Pair 4,5]	167
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	4.9
Insertion Loss Margin (dB)	[Pair 3,6]	33.7
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.3	4.8	7.5	4.9
Freq. (MHz)	223.5	315.0	500.0	454.0
Limit (dB)	34.0	31.4	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.6	4.9	9.3	5.6
Freq. (MHz)	6.5	213.0	500.0	455.0
Limit (dB)	57.1	31.4	23.2	24.3

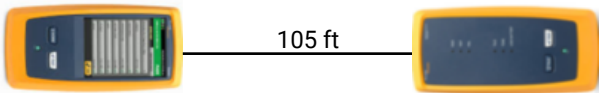
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.6	8.8	9.8	9.9
Freq. (MHz)	322.0	320.0	475.0	482.0
Limit (dB)	13.1	13.2	9.7	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.8	9.7	11.5	11.8
Freq. (MHz)	315.0	326.0	475.0	475.0
Limit (dB)	10.3	10.0	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.8	10.6	42.3	38.2
Freq. (MHz)	3.3	2.9	500.0	454.0
Limit (dB)	60.7	61.4	-23.2	-19.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.5	10.4	44.1	39.0
Freq. (MHz)	6.5	6.4	500.0	455.0
Limit (dB)	51.8	52.0	-26.1	-22.5

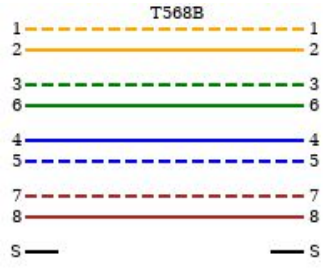
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.9	3.1	8.2	4.8
Freq. (MHz)	68.8	107.0	478.0	348.0
Limit (dB)	13.6	11.7	6.0	6.6

Compliant Network Standards:

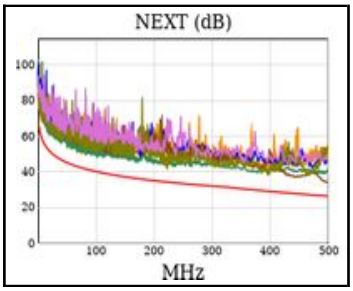
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

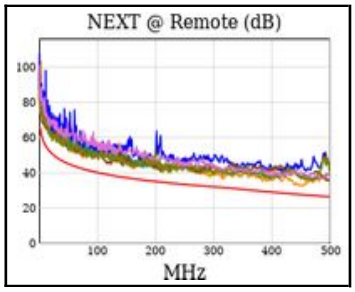


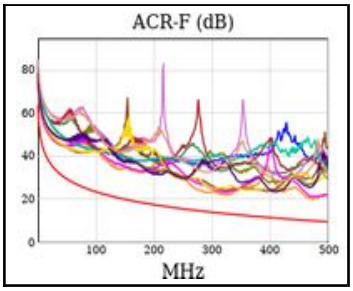
PASS

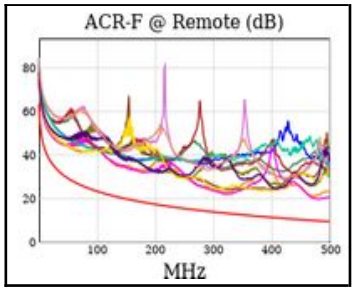


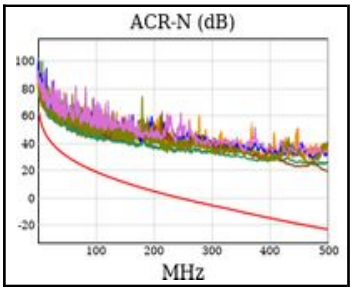


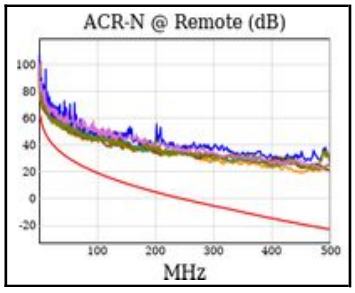


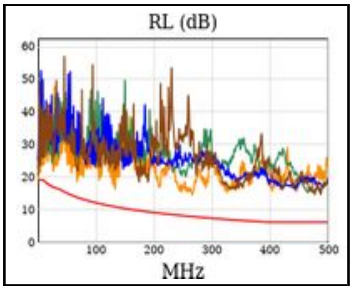


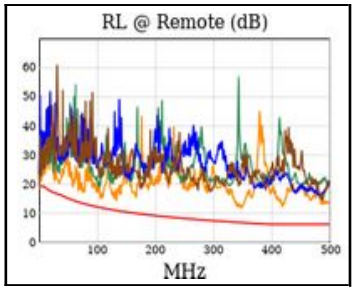












FLUKE networks

LinkWare Live

Cable ID: 215-A

Test Summary: PASS

Date / Time: 12/10/2022 05:53:20 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	338
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.7
Insertion Loss Margin (dB)	[Pair 4,5]	21.2
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	8.1	2.5	8.1	2.5
Freq. (MHz)	500.0	451.0	500.0	451.0
Limit (dB)	26.1	27.3	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.2	4.0	10.5	4.3
Freq. (MHz)	3.3	320.0	500.0	451.0
Limit (dB)	62.0	28.3	23.2	24.4

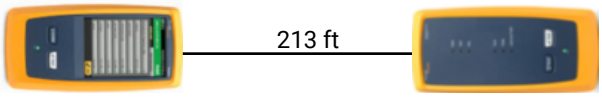
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	8.9	8.6	9.4	8.6
Freq. (MHz)	163.0	465.0	464.0	465.0
Limit (dB)	19.0	9.9	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.2	10.7	10.3
Freq. (MHz)	162.0	468.0	462.0	471.0
Limit (dB)	16.1	6.9	7.0	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	9.6	29.3	24.2
Freq. (MHz)	3.1	3.0	500.0	464.0
Limit (dB)	61.1	61.4	-23.2	-20.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.9	9.6	31.7	25.8
Freq. (MHz)	3.0	3.0	500.0	464.0
Limit (dB)	58.4	58.4	-26.1	-23.2

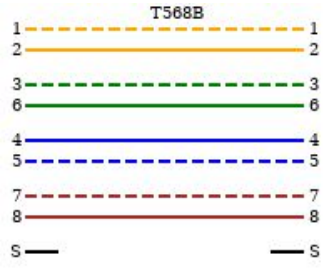
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.9	5.7	9.3	5.9
Freq. (MHz)	13.4	8.8	458.0	500.0
Limit (dB)	18.4	19.0	6.0	6.0

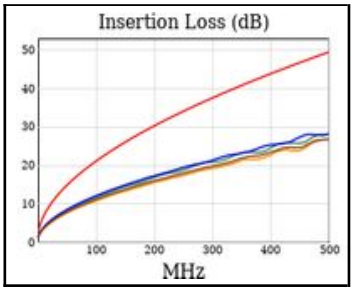
Compliant Network Standards:

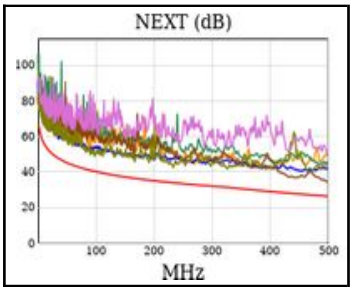
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

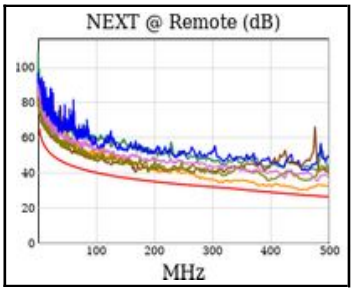


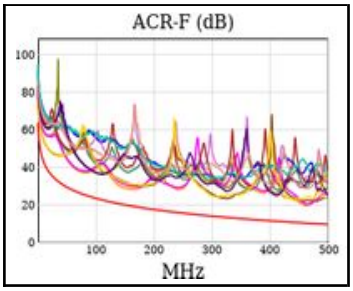
PASS

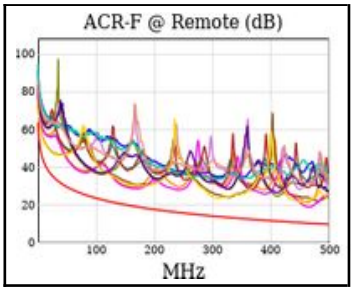


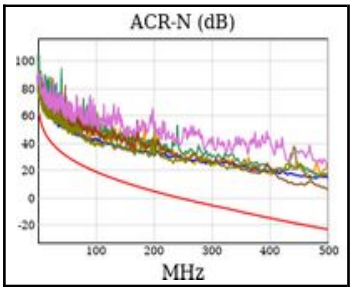


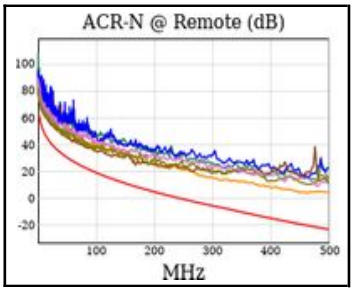


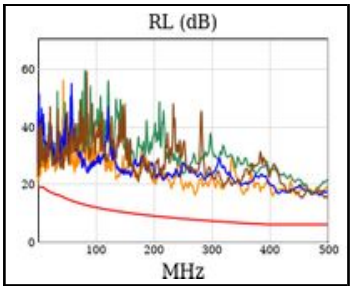


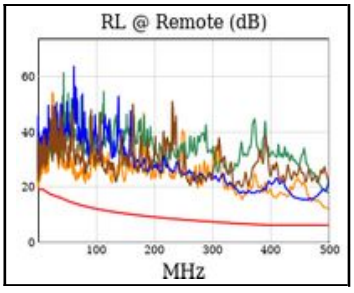












FLUKE networks

LinkWare Live

Cable ID: 215-B

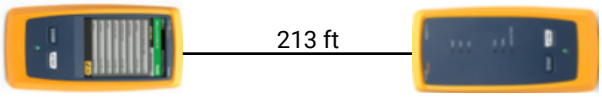
Test Summary: PASS

Date / Time: 12/10/2022 05:54:55 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

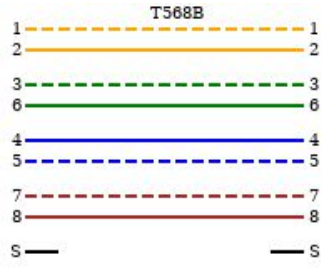
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	213
Prop. Delay (ns), Limit 555	[Pair 4,5]	338
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.6
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.3	5.0	7.3	8.2
Freq. (MHz)	500.0	175.5	500.0	466.0
Limit (dB)	26.1	35.8	26.1	26.9
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	8.4	4.6	8.5	8.2
Freq. (MHz)	88.8	157.0	499.0	466.0
Limit (dB)	38.0	33.7	23.3	24.0

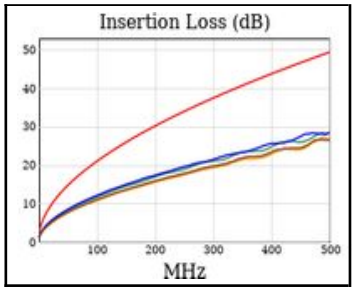
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.5	10.6	10.6	10.8
Freq. (MHz)	400.0	439.0	475.0	479.0
Limit (dB)	11.2	10.4	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	10.4	9.7	10.4
Freq. (MHz)	405.0	400.0	405.0	400.0
Limit (dB)	8.1	8.2	8.1	8.2

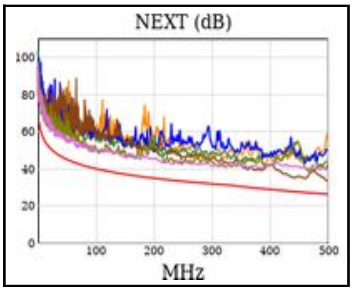
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.6	10.0	28.3	31.2
Freq. (MHz)	6.3	3.0	500.0	499.0
Limit (dB)	54.8	61.4	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.6	9.3	29.5	31.6
Freq. (MHz)	3.1	3.0	499.0	500.0
Limit (dB)	58.3	58.4	-26.0	-26.1

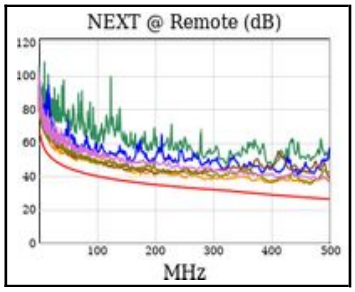
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.9	5.1	9.1	6.0
Freq. (MHz)	15.0	80.3	473.0	490.0
Limit (dB)	18.1	13.0	6.0	6.0

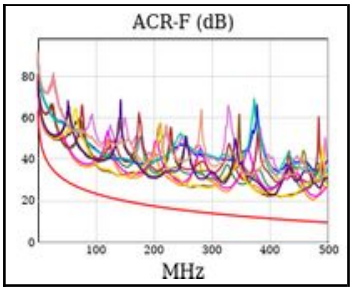
Compliant Network Standards:

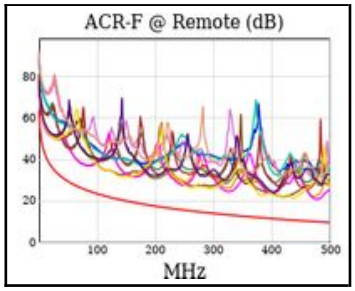
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

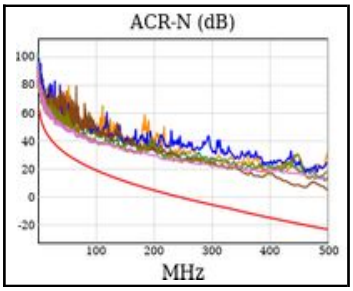


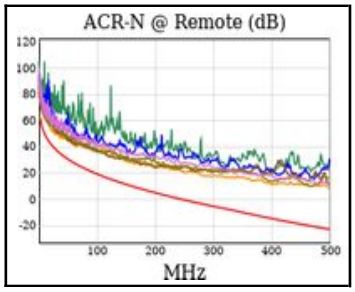


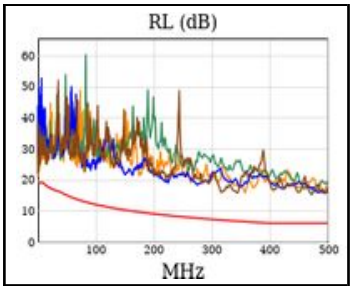


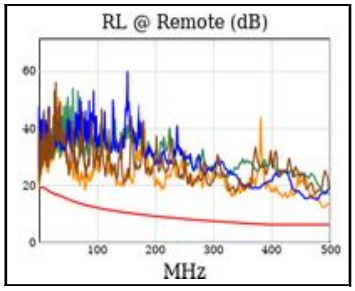












FLUKE networks

LinkWare Live

Cable ID: 216-A

Test Summary: PASS

Date / Time: 12/10/2022 05:02:16 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	165
Prop. Delay (ns), Limit 555	[Pair 4,5]	261
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	7.5
Insertion Loss Margin (dB)	[Pair 4,5]	25.6
Frequency (MHz)	[Pair 4,5]	473.0
Limit (dB)	[Pair 4,5]	47.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.4	5.3	8.1	5.5
Freq. (MHz)	204.0	309.0	500.0	399.0
Limit (dB)	34.6	31.5	26.1	28.8
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	8.4	5.0	10.5	6.6
Freq. (MHz)	201.5	164.5	500.0	457.0
Limit (dB)	31.8	33.3	23.2	24.3

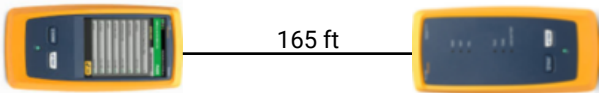
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	10.7	10.0	11.2	12.0
Freq. (MHz)	412.0	382.0	486.0	491.0
Limit (dB)	11.0	11.6	9.5	9.4
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-F (dB)	10.8	11.9	11.1	13.7
Freq. (MHz)	403.0	198.0	413.0	486.0
Limit (dB)	8.2	14.3	7.9	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	12.4	11.5	35.6	36.7
Freq. (MHz)	4.1	25.3	500.0	500.0
Limit (dB)	58.6	39.7	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.0	10.4	37.9	36.8
Freq. (MHz)	4.3	3.9	500.0	500.0
Limit (dB)	55.8	56.7	-26.1	-26.1

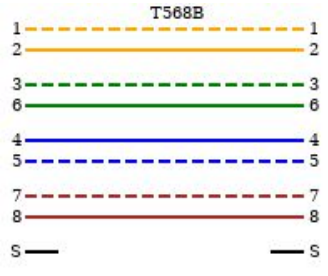
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.1	2.4	7.6	6.3
Freq. (MHz)	68.3	81.0	486.0	493.0
Limit (dB)	13.7	12.9	6.0	6.0

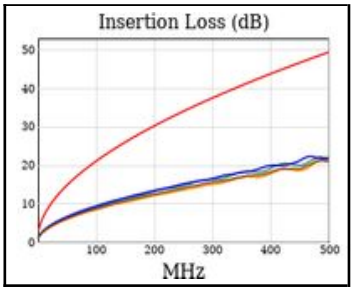
Compliant Network Standards:

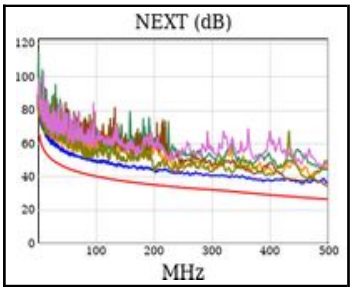
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

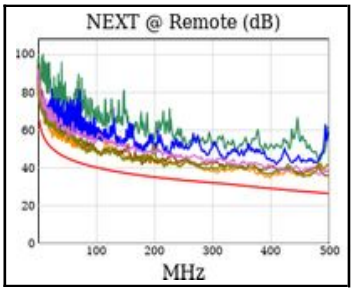


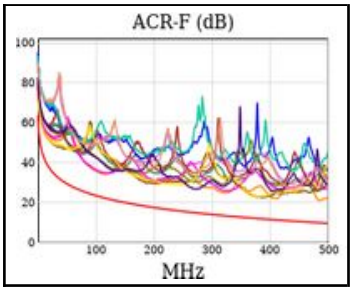
PASS

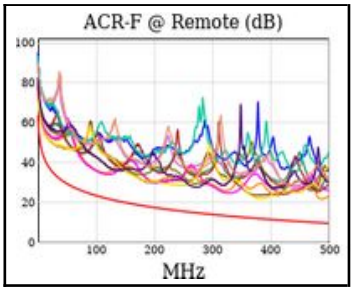


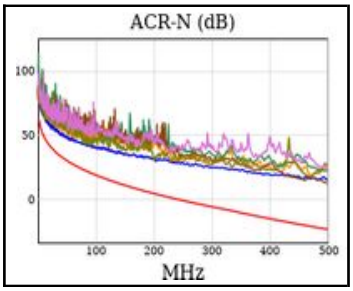


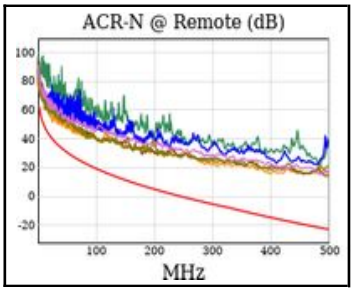


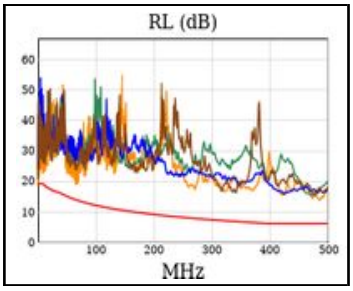


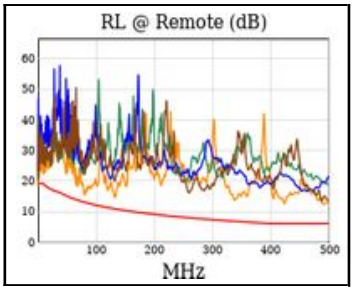












FLUKE networks

LinkWare Live

Cable ID: 216-B

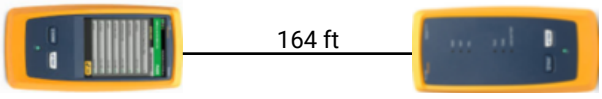
Test Summary: PASS

Date / Time: 12/10/2022 05:03:14 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

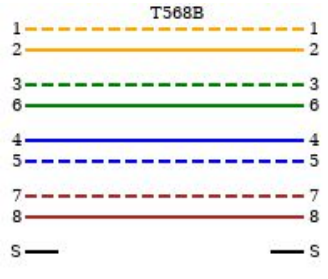
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

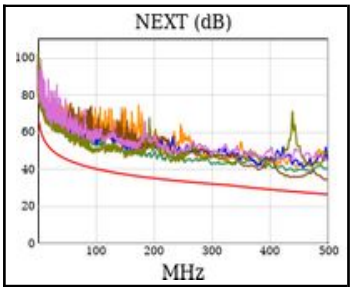
Length (ft), Limit 328	[Pair 1,2]	164
Prop. Delay (ns), Limit 555	[Pair 4,5]	261
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	7.5
Insertion Loss Margin (dB)	[Pair 3,6]	26.8
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

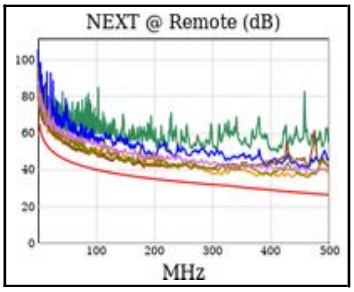


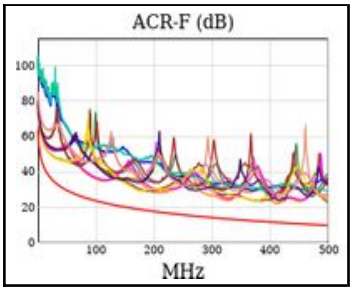
PASS

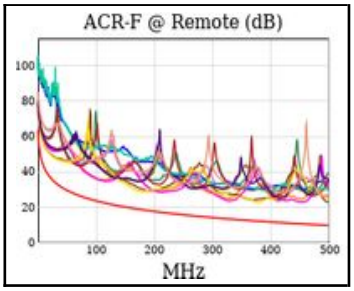


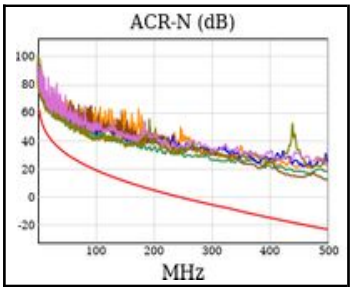


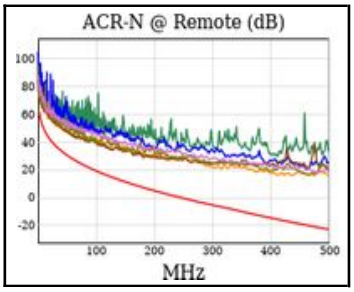


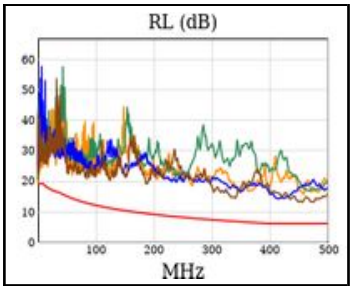


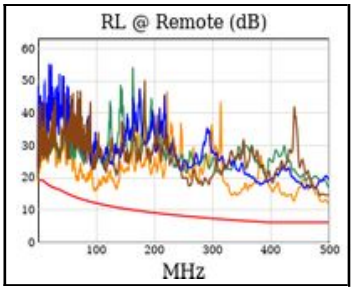












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.6	5.3	7.8	8.7
Freq. (MHz)	436.0	182.5	499.0	464.0
Limit (dB)	27.7	35.5	26.1	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	8.9	4.9	9.2	8.9
Freq. (MHz)	440.0	182.5	497.0	466.0
Limit (dB)	24.7	32.5	23.3	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	4,5-3,6
ACR-F (dB)	10.3	10.2	10.8	12.8
Freq. (MHz)	327.0	329.0	416.0	500.0
Limit (dB)	13.0	12.9	10.9	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	11.1	10.4	12.3
Freq. (MHz)	416.0	327.0	416.0	411.0
Limit (dB)	7.9	10.0	7.9	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.2	9.8	35.2	36.6
Freq. (MHz)	3.0	3.6	500.0	475.0
Limit (dB)	61.4	59.8	-23.2	-21.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	12.7	9.7	36.4	35.4
Freq. (MHz)	3.8	3.8	497.0	466.0
Limit (dB)	57.0	57.0	-25.8	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.8	3.5	6.9	5.9
Freq. (MHz)	17.5	98.3	451.0	500.0
Limit (dB)	17.8	12.1	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 219-A

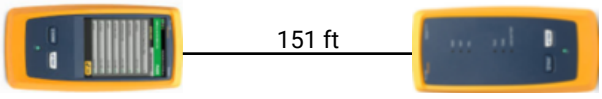
Test Summary: PASS

Date / Time: 12/10/2022 05:00:43 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

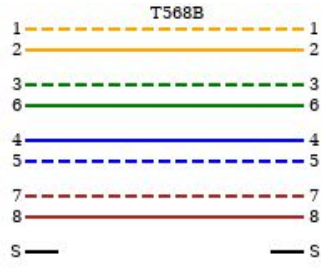
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

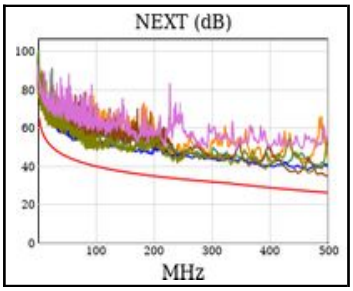
Length (ft), Limit 328	[Pair 1,2]	151
Prop. Delay (ns), Limit 555	[Pair 4,5]	238
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	28.3
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

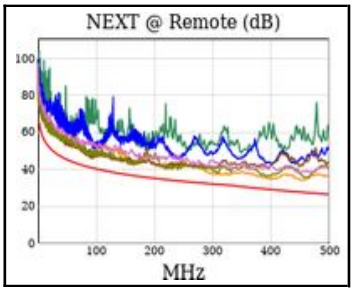


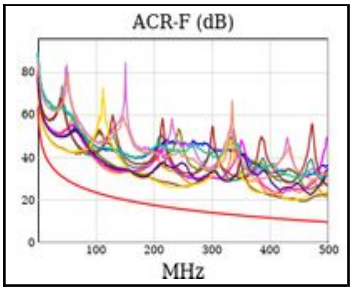
PASS

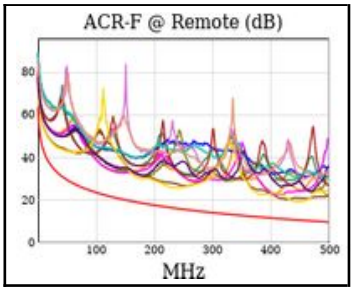


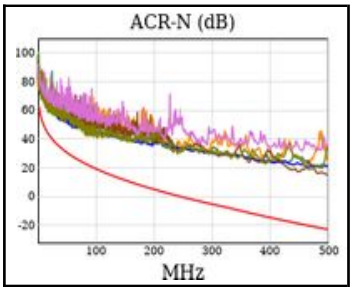


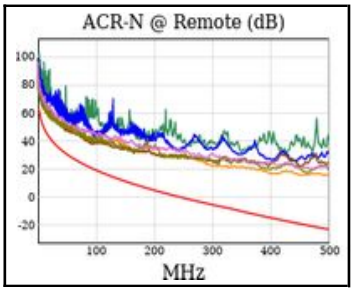


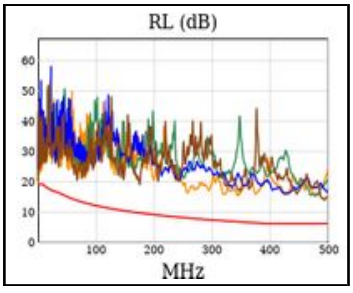


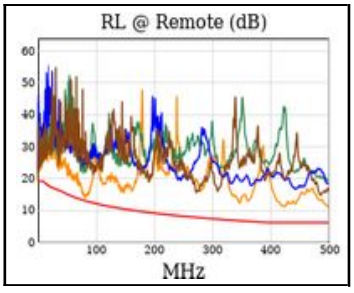












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	7.7	5.1	8.4	6.5
Freq. (MHz)	84.0	93.8	497.0	453.0
Limit (dB)	41.2	40.4	26.2	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.7	4.3	10.2	7.0
Freq. (MHz)	84.0	95.8	490.0	457.0
Limit (dB)	38.4	37.4	23.5	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.0	8.5	9.1	8.5
Freq. (MHz)	457.0	447.0	460.0	447.0
Limit (dB)	10.1	10.3	10.0	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.0	10.2	10.8
Freq. (MHz)	440.0	420.0	440.0	465.0
Limit (dB)	7.4	7.8	7.4	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.7	10.0	37.9	37.8
Freq. (MHz)	4.1	4.1	500.0	494.0
Limit (dB)	58.6	58.6	-23.2	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.6	10.2	38.4	36.0
Freq. (MHz)	4.5	4.4	490.0	466.0
Limit (dB)	55.3	55.6	-25.3	-23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	6.6	0.9	7.5	4.8
Freq. (MHz)	68.3	81.8	495.0	425.0
Limit (dB)	13.7	12.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 219-B

Test Summary: PASS

Date / Time: 12/10/2022 05:01:06 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	150
Prop. Delay (ns), Limit 555	[Pair 4,5]	237
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	28.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.4	5.1	7.8	6.7
Freq. (MHz)	192.0	228.0	500.0	416.0
Limit (dB)	35.1	33.8	26.1	28.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.7	4.7	10.0	8.8
Freq. (MHz)	91.8	228.0	500.0	465.0
Limit (dB)	37.7	30.9	23.2	24.1

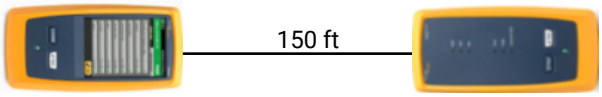
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	11.1	10.9	11.9	11.9
Freq. (MHz)	226.5	233.0	472.0	477.0
Limit (dB)	16.2	15.9	9.8	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	10.9	11.9	10.9
Freq. (MHz)	472.0	477.0	472.0	477.0
Limit (dB)	6.8	6.7	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	12.9	10.8	36.9	32.7
Freq. (MHz)	2.6	4.1	500.0	416.0
Limit (dB)	61.6	58.6	-23.2	-16.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	12.2	9.9	39.1	39.1
Freq. (MHz)	4.4	4.1	500.0	499.0
Limit (dB)	55.6	56.1	-26.1	-26.0

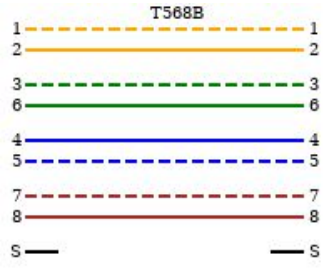
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.1	3.2	7.4	4.8
Freq. (MHz)	68.5	68.5	347.0	338.0
Limit (dB)	13.6	13.6	6.6	6.7

Compliant Network Standards:

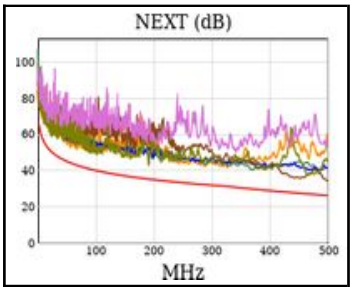
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

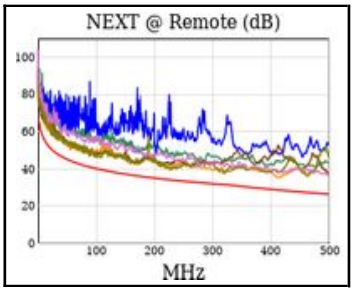


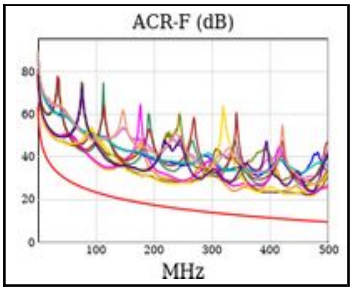
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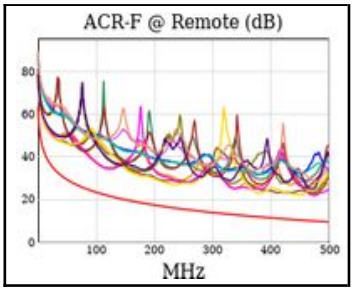


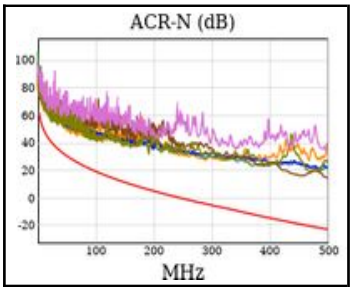


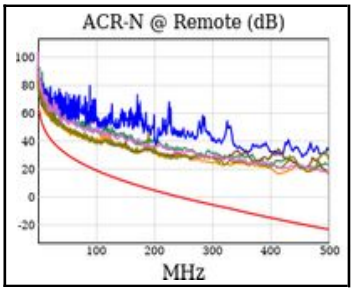


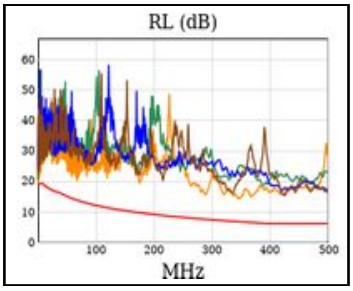


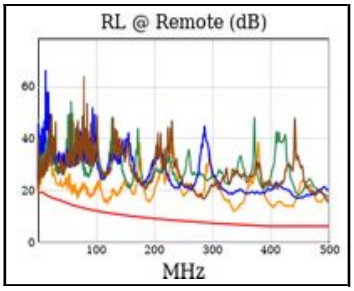












FLUKE networks

LinkWare Live

Cable ID: 220-A

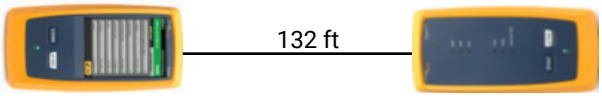
Test Summary: PASS

Date / Time: 12/10/2022 05:05:55 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

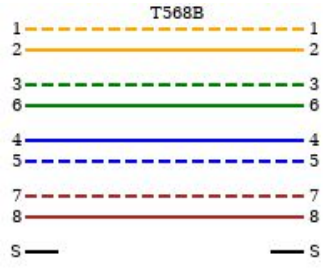
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

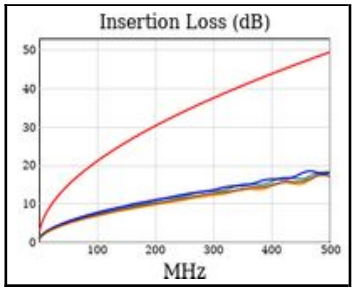
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

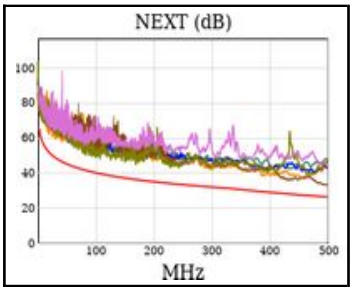
Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	208
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 4,5]	6.0
Insertion Loss Margin (dB)	[Pair 4,5]	29.3
Frequency (MHz)	[Pair 4,5]	470.0
Limit (dB)	[Pair 4,5]	47.7

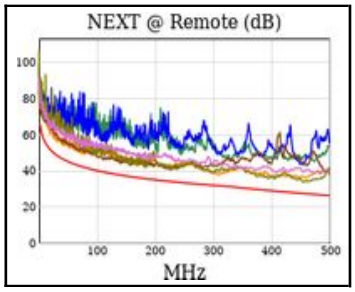


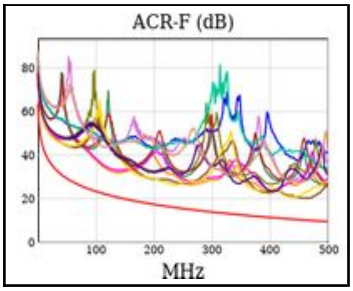
PASS

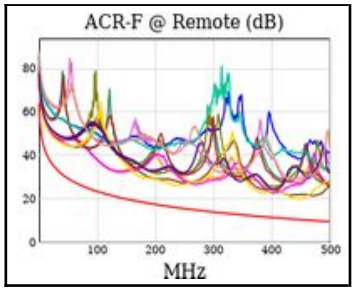


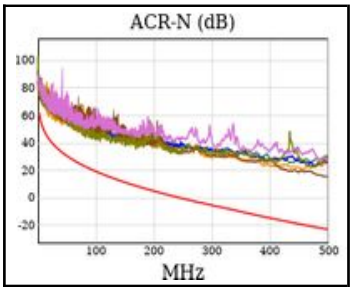


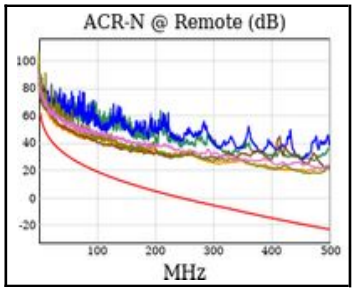


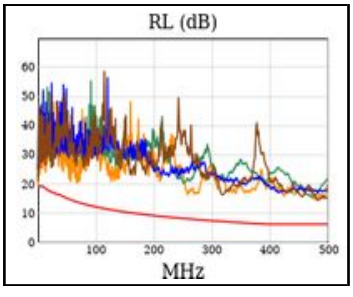


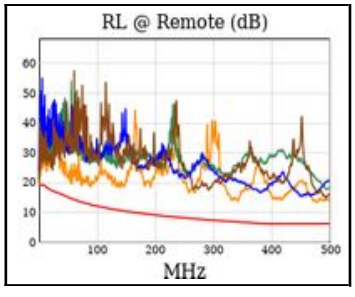












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	6.7	5.7	6.7	6.3
Freq. (MHz)	500.0	310.0	500.0	454.0
Limit (dB)	26.1	31.5	26.1	27.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.8	5.4	8.9	7.2
Freq. (MHz)	490.0	170.5	499.0	460.0
Limit (dB)	23.5	33.1	23.3	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.4	10.1	9.4
Freq. (MHz)	457.0	449.0	464.0	449.0
Limit (dB)	10.1	10.2	9.9	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.1	10.7	10.1	11.4
Freq. (MHz)	403.0	405.0	403.0	442.0
Limit (dB)	8.2	8.1	8.2	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.1	11.4	38.1	37.9
Freq. (MHz)	2.8	2.5	500.0	465.0
Limit (dB)	61.5	61.7	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.0	11.8	40.1	38.1
Freq. (MHz)	2.8	4.8	499.0	465.0
Limit (dB)	58.5	54.8	-26.0	-23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.1	4.9	8.1	7.1
Freq. (MHz)	57.3	57.5	481.0	479.0
Limit (dB)	14.4	14.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 220-B

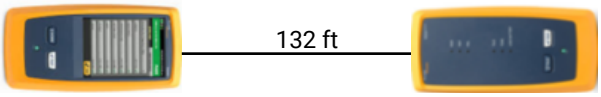
Test Summary: PASS

Date / Time: 12/10/2022 05:06:18 PM
Headroom: 5.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

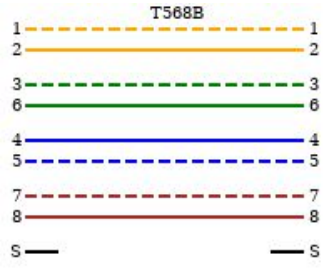
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

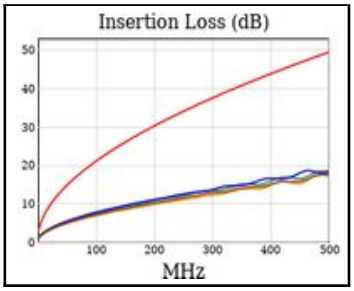
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

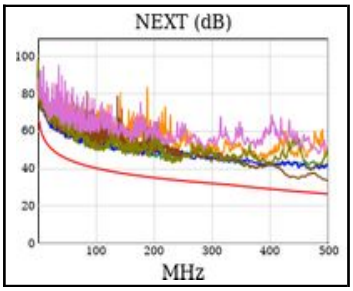
Length (ft), Limit 328	[Pair 1,2]	132
Prop. Delay (ns), Limit 555	[Pair 4,5]	210
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.1
Insertion Loss Margin (dB)	[Pair 3,6]	30.8
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

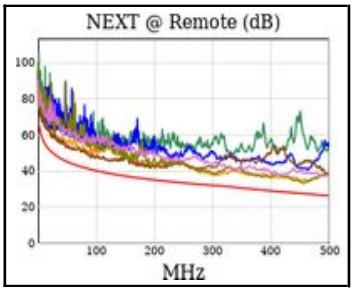


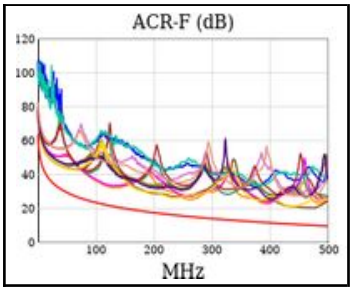
PASS

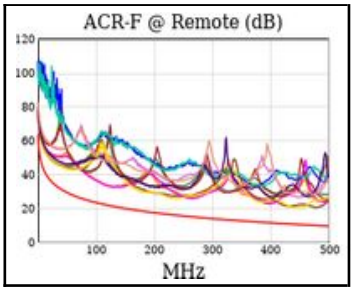


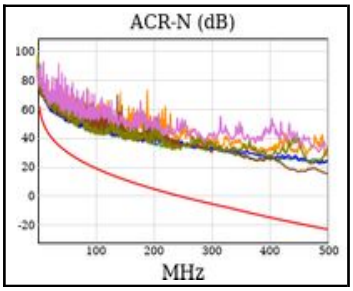


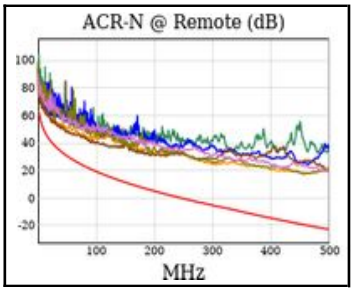


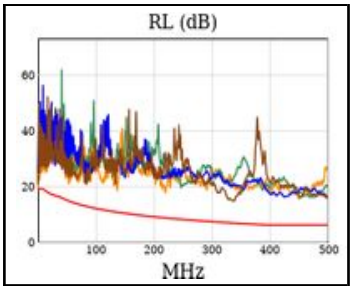


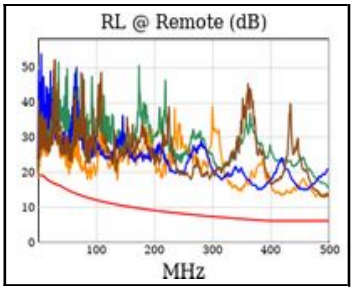












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.0	5.6	7.0	5.7
Freq. (MHz)	500.0	307.0	500.0	458.0
Limit (dB)	26.1	31.6	26.1	27.1
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	9.1	5.1	9.3	6.1
Freq. (MHz)	450.0	308.0	500.0	456.0
Limit (dB)	24.4	28.6	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.7	10.2	9.9
Freq. (MHz)	262.0	238.0	469.0	452.0
Limit (dB)	14.9	15.7	9.8	10.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.3	10.9	12.0	12.2
Freq. (MHz)	248.5	257.0	477.0	480.0
Limit (dB)	12.4	12.1	6.7	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.1	11.0	38.2	36.7
Freq. (MHz)	2.6	4.8	500.0	459.0
Limit (dB)	61.6	57.3	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.7	11.5	40.5	37.2
Freq. (MHz)	5.1	5.0	500.0	467.0
Limit (dB)	54.1	54.3	-26.1	-23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.1	4.6	7.8	6.5
Freq. (MHz)	54.3	54.3	338.0	492.0
Limit (dB)	14.7	14.7	6.7	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 221-A

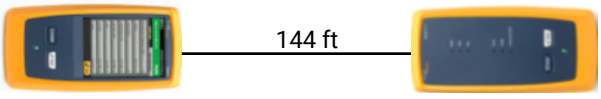
Test Summary: PASS

Date / Time: 12/10/2022 05:12:02 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

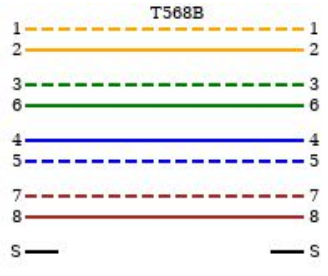
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

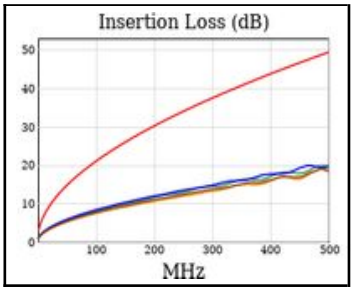
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

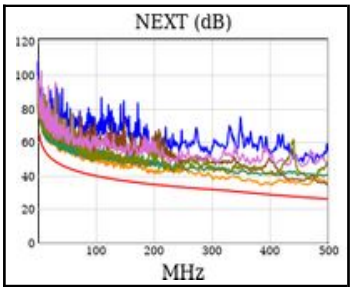
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	29.0
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

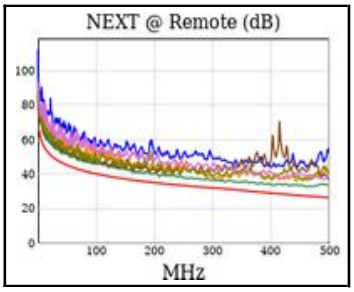


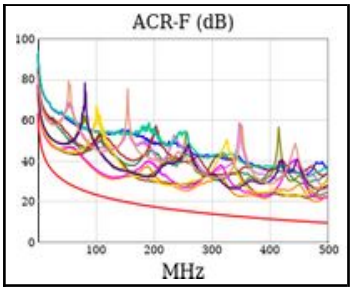
PASS

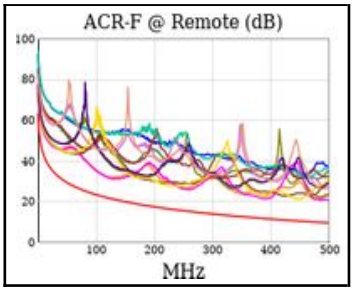


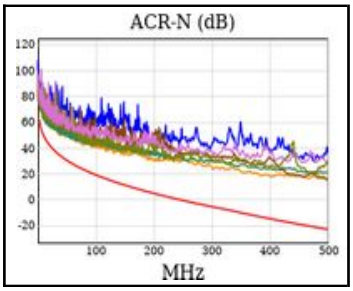


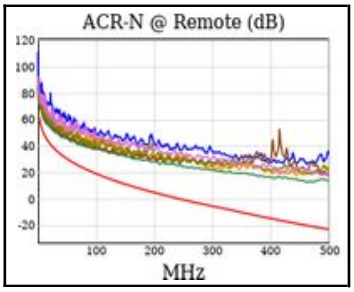


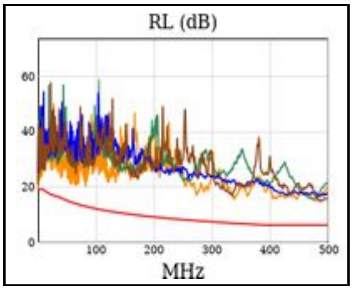


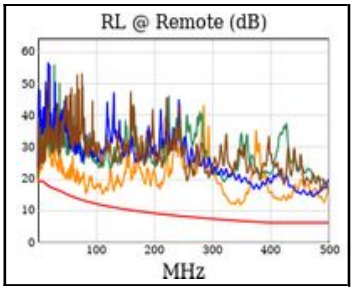












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	5.0	3.5	5.3	5.4
Freq. (MHz)	384.0	210.0	404.0	463.0
Limit (dB)	29.2	34.4	28.6	27.0
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	7.0	4.2	8.6	7.4
Freq. (MHz)	384.0	161.5	500.0	500.0
Limit (dB)	26.3	33.5	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	9.6	9.7	10.1	10.8
Freq. (MHz)	127.0	392.0	478.0	487.0
Limit (dB)	21.2	11.4	9.7	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.2	11.7	10.8
Freq. (MHz)	8.1	5.3	486.0	487.0
Limit (dB)	42.1	45.9	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	3,6-4,5	1,2-4,5
ACR-N (dB)	11.9	10.1	38.2	33.0
Freq. (MHz)	9.6	9.6	500.0	464.0
Limit (dB)	50.5	50.5	-23.2	-20.4
Worst Pair	4,5	4,5	3,6	4,5
PS ACR-N (dB)	12.4	10.2	38.1	37.1
Freq. (MHz)	2.6	4.5	500.0	500.0
Limit (dB)	58.6	55.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.3	2.4	8.6	5.0
Freq. (MHz)	56.8	83.5	478.0	349.0
Limit (dB)	14.5	12.8	6.0	6.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 221-B

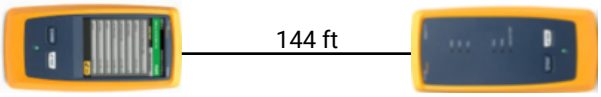
Test Summary: PASS

Date / Time: 12/10/2022 05:10:33 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

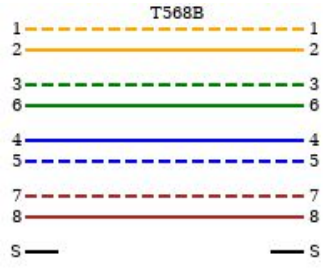
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

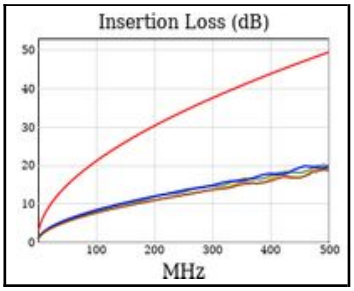
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

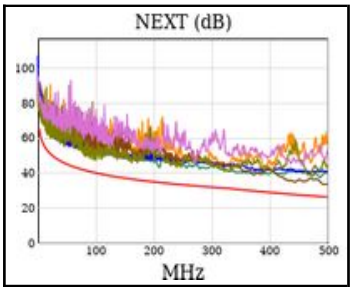
Length (ft), Limit 328	[Pair 1,2]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	227
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 4,5]	6.6
Insertion Loss Margin (dB)	[Pair 3,6]	28.8
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

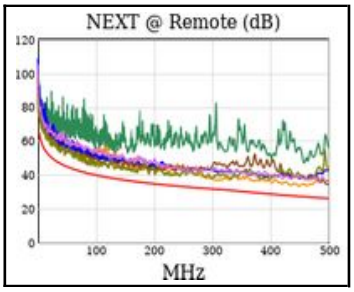


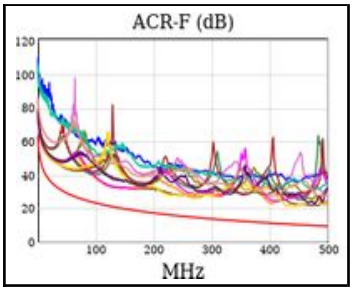
PASS

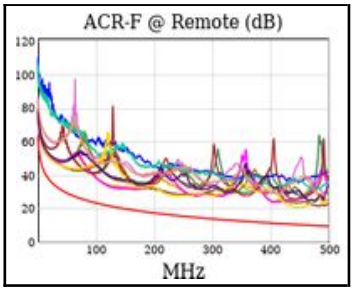


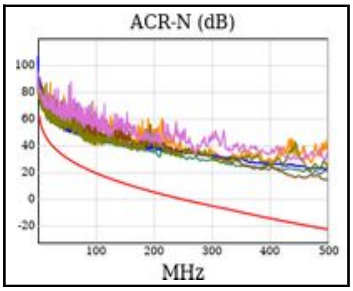


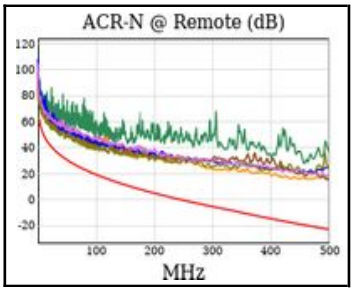


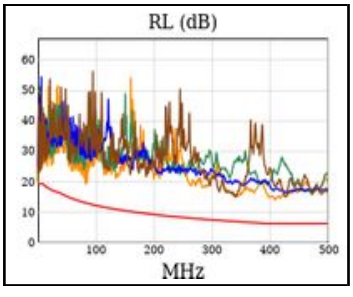


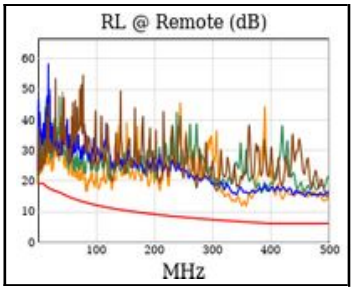












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.0	4.8	7.0	5.7
Freq. (MHz)	500.0	85.8	500.0	449.0
Limit (dB)	26.1	41.1	26.1	27.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.0	5.1	9.0	6.9
Freq. (MHz)	98.3	167.0	500.0	460.0
Limit (dB)	37.2	33.2	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.0	10.2	11.1	10.2
Freq. (MHz)	431.0	445.0	445.0	445.0
Limit (dB)	10.6	10.3	10.3	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.3	11.4	12.0	12.0
Freq. (MHz)	5.5	7.8	492.0	445.0
Limit (dB)	45.4	42.5	6.4	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	13.1	11.0	36.7	37.7
Freq. (MHz)	4.8	4.3	500.0	498.0
Limit (dB)	57.3	58.3	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	12.3	10.4	38.7	37.8
Freq. (MHz)	4.6	4.4	500.0	498.0
Limit (dB)	55.1	55.6	-26.1	-25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.0	3.7	7.6	5.1
Freq. (MHz)	83.0	83.3	410.0	359.0
Limit (dB)	12.8	12.8	6.0	6.4

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 222-A

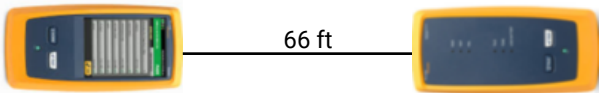
Test Summary: PASS

Date / Time: 12/10/2022 05:17:32 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

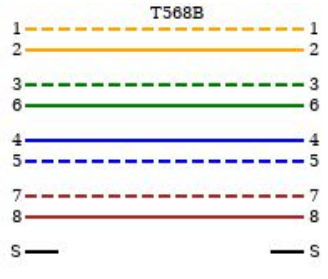
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	66
Prop. Delay (ns), Limit 555	[Pair 4,5]	104
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	3.1
Insertion Loss Margin (dB)	[Pair 3,6]	37.9
Frequency (MHz)	[Pair 3,6]	486.0
Limit (dB)	[Pair 3,6]	48.5



PASS



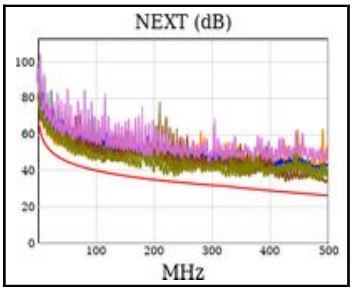
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.1	2.5	6.6	6.9
Freq. (MHz)	236.0	302.0	497.0	498.0
Limit (dB)	33.5	31.7	26.2	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	3.9	3.3	7.9	7.2
Freq. (MHz)	236.5	218.5	497.0	498.0
Limit (dB)	30.6	31.2	23.3	23.3

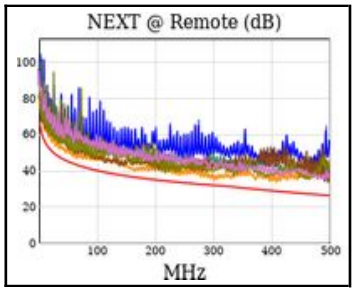
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.1	8.8	9.4	8.8
Freq. (MHz)	431.0	451.0	446.0	451.0
Limit (dB)	10.6	10.2	10.3	10.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.5	11.1	11.4	11.4
Freq. (MHz)	397.0	397.0	447.0	451.0
Limit (dB)	8.3	8.3	7.3	7.2

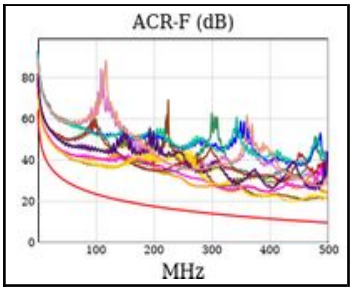
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	10.6	9.7	46.4	46.6
Freq. (MHz)	5.0	5.0	497.0	498.0
Limit (dB)	56.9	56.9	-23.0	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	8.3	45.6	46.6
Freq. (MHz)	5.8	5.5	486.0	498.0
Limit (dB)	53.0	53.4	-25.0	-25.9

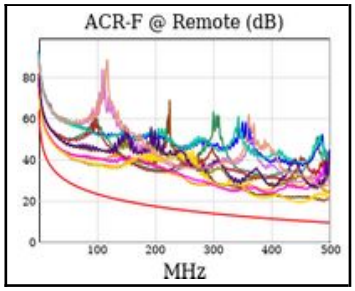
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.8	1.6	5.9	3.3
Freq. (MHz)	69.3	69.8	428.0	495.0
Limit (dB)	13.6	13.6	6.0	6.0

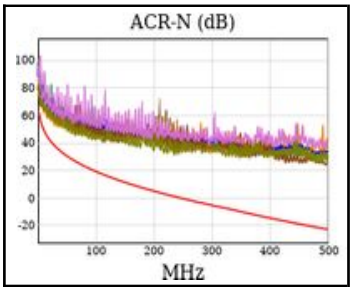


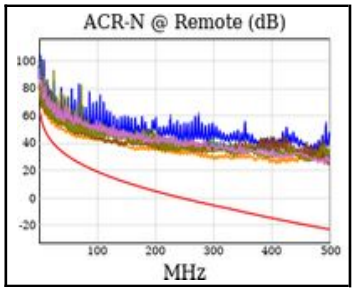


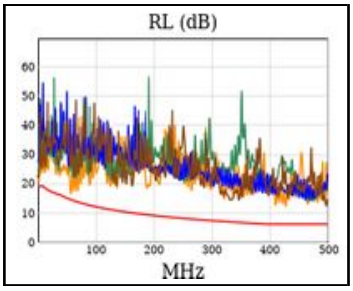


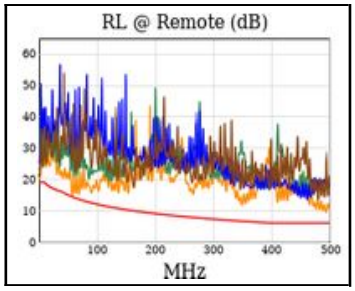












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 222-A

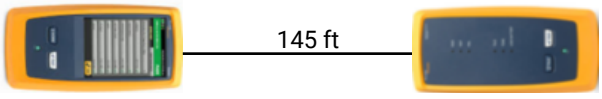
Test Summary: PASS

Date / Time: 11/19/2022 07:20:49 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

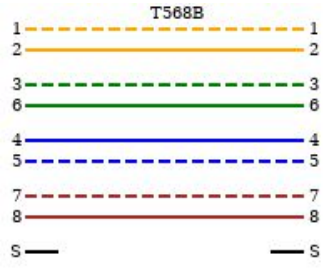
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

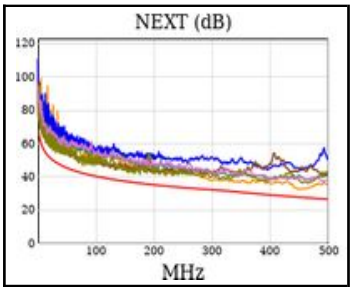
Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 4,5]	228
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

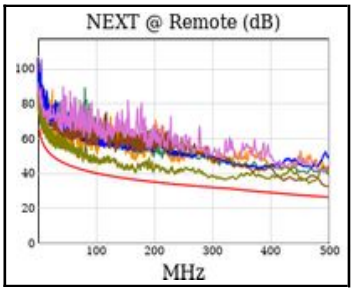


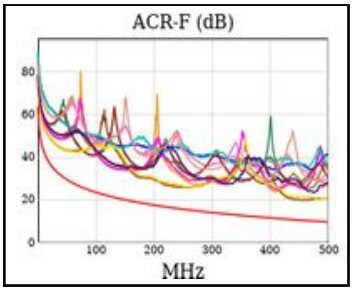
PASS

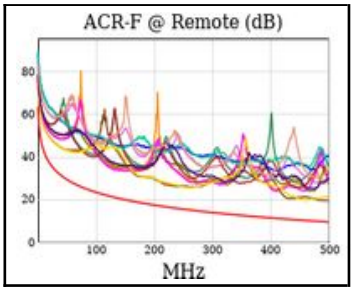


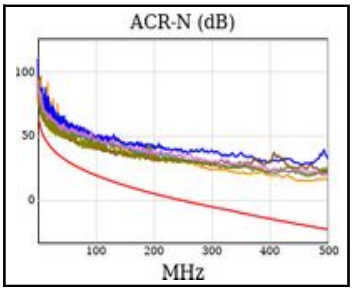


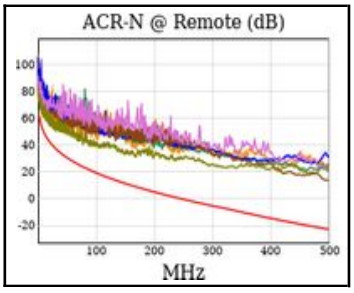


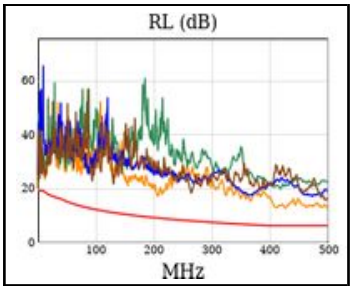


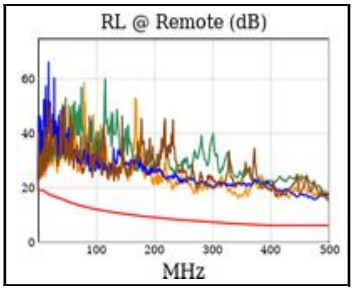












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.5	4.2	4.5	6.2
Freq. (MHz)	451.0	169.5	451.0	498.0
Limit (dB)	27.3	36.0	27.3	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.1	6.2	6.3	8.0
Freq. (MHz)	156.5	169.5	461.0	500.0
Limit (dB)	33.7	33.1	24.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.4	9.4	9.6	10.0
Freq. (MHz)	457.0	462.0	467.0	500.0
Limit (dB)	10.1	10.0	9.9	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	10.7	11.5	11.1
Freq. (MHz)	271.0	274.0	484.0	466.0
Limit (dB)	11.6	11.5	6.6	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.5	9.0	33.6	36.6
Freq. (MHz)	4.8	4.8	451.0	500.0
Limit (dB)	57.3	57.3	-19.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.2	9.6	36.3	37.5
Freq. (MHz)	4.6	4.6	469.0	500.0
Limit (dB)	55.1	55.1	-23.6	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.4	8.9	6.4	9.1
Freq. (MHz)	500.0	33.8	500.0	500.0
Limit (dB)	6.0	16.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 222-B

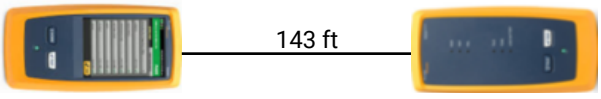
Test Summary: PASS

Date / Time: 11/19/2022 07:22:47 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

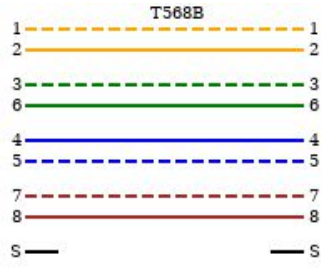
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

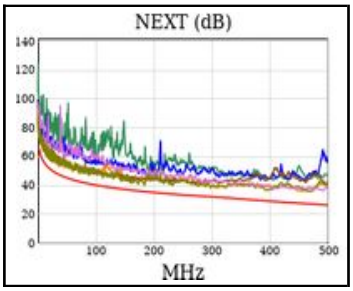
Length (ft), Limit 328	[Pair 1,2]	143
Prop. Delay (ns), Limit 555	[Pair 4,5]	227
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	6.5
Insertion Loss Margin (dB)	[Pair 3,6]	29.6
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

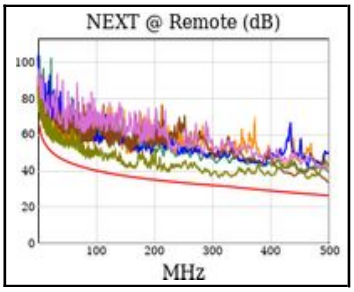


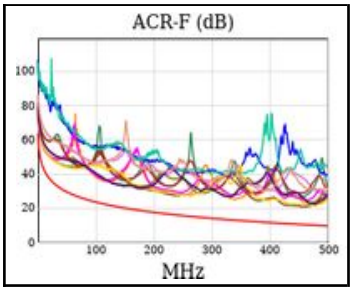
PASS

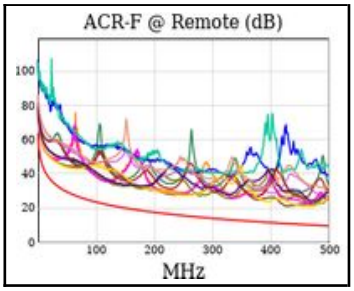


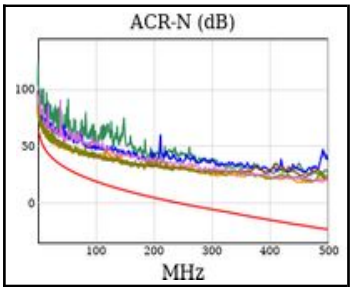


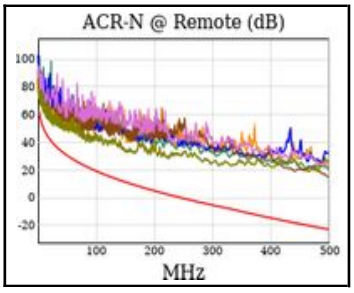


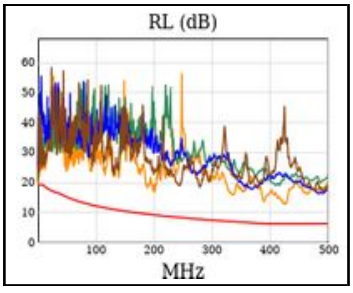


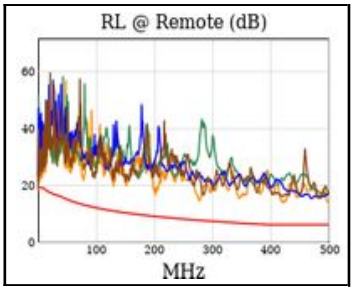












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	4.4	8.2	7.5
Freq. (MHz)	184.5	312.0	468.0	500.0
Limit (dB)	35.4	31.5	26.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.7	6.4	8.1	9.0
Freq. (MHz)	174.5	4.8	463.0	500.0
Limit (dB)	32.9	59.3	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.2	10.4	10.8
Freq. (MHz)	456.0	427.0	459.0	465.0
Limit (dB)	10.1	10.6	10.0	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.4	10.4	10.4
Freq. (MHz)	478.0	468.0	478.0	468.0
Limit (dB)	6.7	6.9	6.7	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.3	9.5	38.1	37.9
Freq. (MHz)	4.4	4.8	463.0	500.0
Limit (dB)	58.1	57.3	-20.3	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.4	9.3	38.2	39.0
Freq. (MHz)	4.6	4.8	473.0	500.0
Limit (dB)	55.1	54.8	-24.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.3	6.6	6.3	7.7
Freq. (MHz)	428.0	278.0	428.0	423.0
Limit (dB)	6.0	7.6	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 223-A

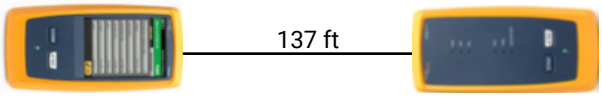
Test Summary: PASS

Date / Time: 11/19/2022 07:26:05 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

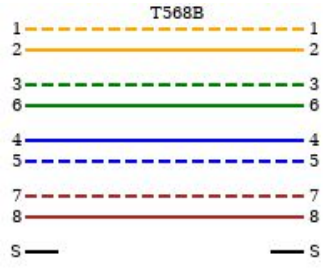
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

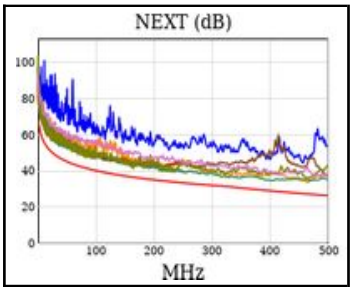
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	217
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.2
Insertion Loss Margin (dB)	[Pair 3,6]	30.6
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

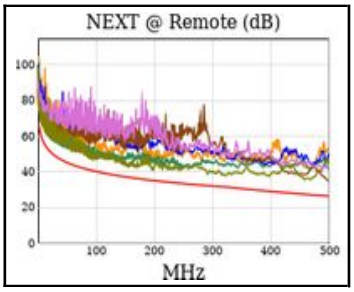


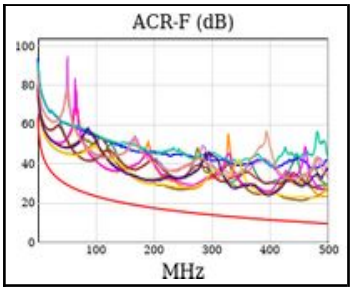
PASS

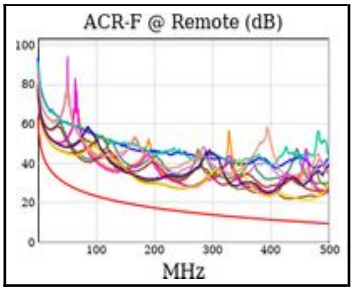


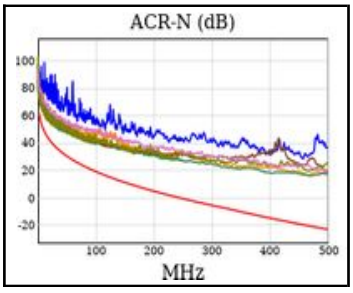


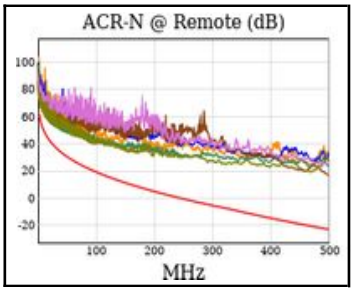


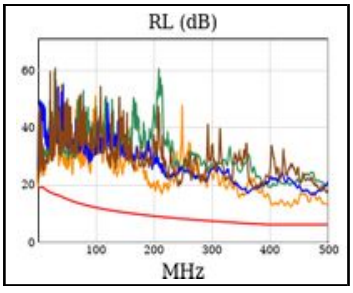


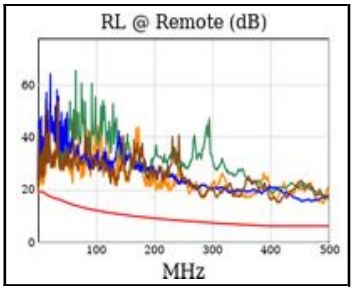












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.7	5.4	6.3	8.5
Freq. (MHz)	165.5	155.0	466.0	499.0
Limit (dB)	36.2	36.7	26.9	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.0	7.3	6.8	8.6
Freq. (MHz)	165.5	5.0	467.0	459.0
Limit (dB)	33.3	59.0	24.0	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.9	11.1	10.9	11.1
Freq. (MHz)	456.0	465.0	456.0	465.0
Limit (dB)	10.1	9.9	10.1	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.3	10.9	11.4
Freq. (MHz)	399.0	398.0	399.0	401.0
Limit (dB)	8.2	8.3	8.2	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-4,5	3,6-4,5
ACR-N (dB)	9.8	9.3	36.5	39.5
Freq. (MHz)	5.0	5.0	470.0	499.0
Limit (dB)	56.9	56.9	-20.8	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	9.5	10.3	39.2	40.9
Freq. (MHz)	4.6	4.9	499.0	499.0
Limit (dB)	55.1	54.6	-26.0	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.1	8.1	6.1	8.4
Freq. (MHz)	436.0	60.5	436.0	492.0
Limit (dB)	6.0	14.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 223-B

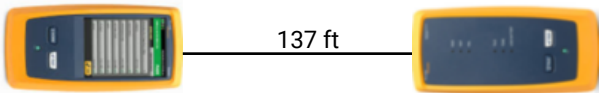
Test Summary: PASS

Date / Time: 11/19/2022 07:29:58 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

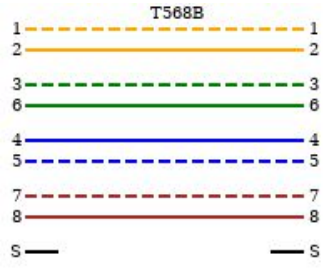
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

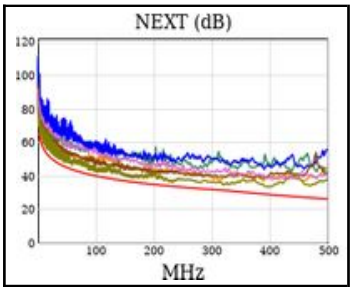
Length (ft), Limit 328	[Pair 1,2]	137
Prop. Delay (ns), Limit 555	[Pair 4,5]	216
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	6.3
Insertion Loss Margin (dB)	[Pair 3,6]	30.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

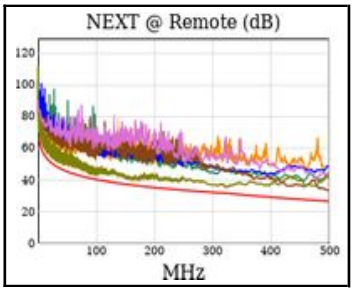


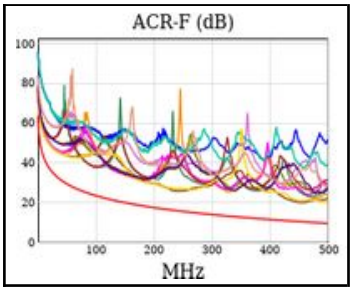
PASS

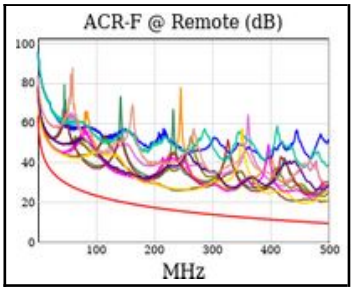


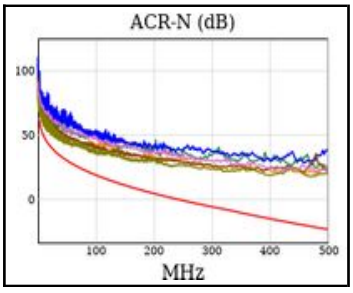


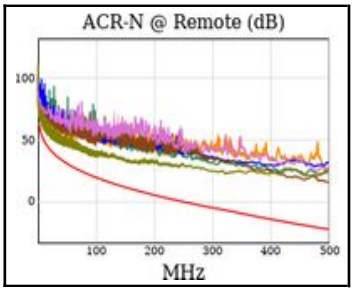


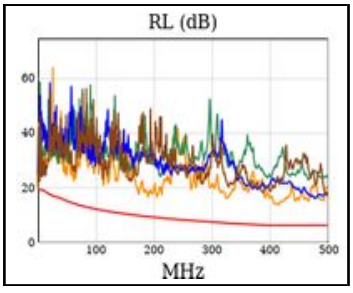


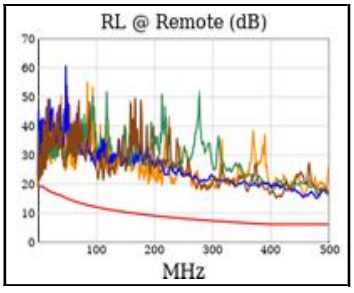












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	2.1	2.2	4.3	6.8
Freq. (MHz)	164.0	88.3	399.0	499.0
Limit (dB)	36.3	40.8	28.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.8	4.7	5.1	8.5
Freq. (MHz)	101.5	88.3	391.0	496.0
Limit (dB)	37.0	38.0	26.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.1	9.7	9.2
Freq. (MHz)	452.0	457.0	462.0	460.0
Limit (dB)	10.2	10.1	10.0	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.9	10.8	11.0
Freq. (MHz)	482.0	479.0	488.0	488.0
Limit (dB)	6.6	6.7	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	6.7	6.9	38.6	38.0
Freq. (MHz)	2.8	2.8	472.0	499.0
Limit (dB)	61.5	61.5	-21.0	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.7	8.3	39.3	38.8
Freq. (MHz)	4.9	5.0	480.0	496.0
Limit (dB)	54.6	54.3	-24.5	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	1,2	4,5
RL (dB)	7.1	8.8	7.4	8.8
Freq. (MHz)	190.5	480.0	416.0	480.0
Limit (dB)	9.2	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 228-A

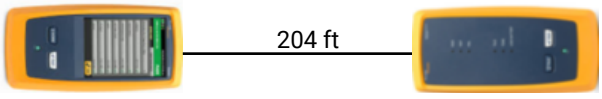
Test Summary: PASS

Date / Time: 11/19/2022 07:33:11 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

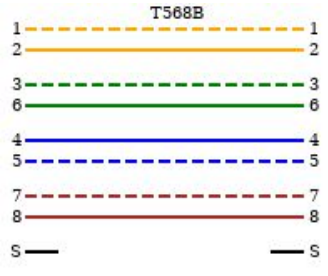
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

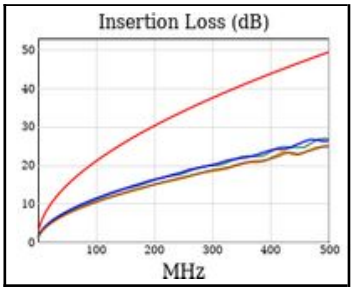
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	204
Prop. Delay (ns), Limit 555	[Pair 4,5]	320
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.2
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

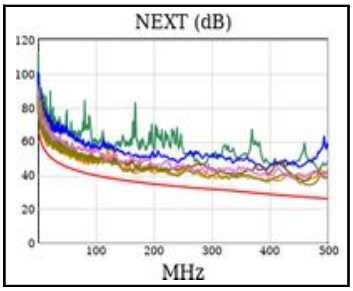


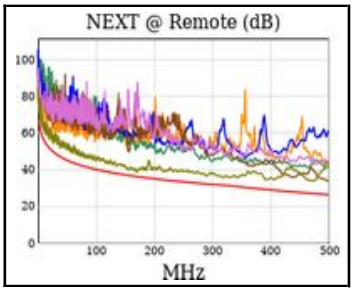
PASS



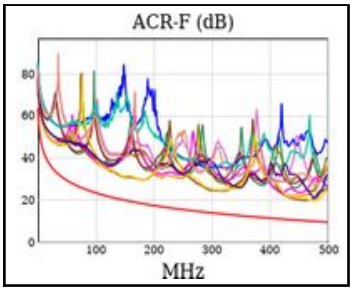


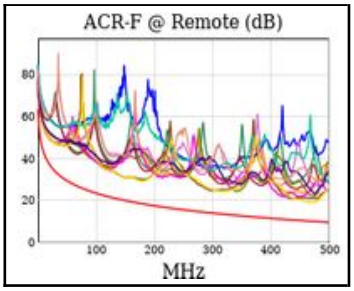
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.2	2.1	7.2	7.5
Freq. (MHz)	17.0	171.0	469.0	500.0
Limit (dB)	52.8	36.0	26.9	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.4	5.0	7.2	8.2
Freq. (MHz)	16.9	171.0	467.0	464.0
Limit (dB)	50.2	33.0	24.0	24.1



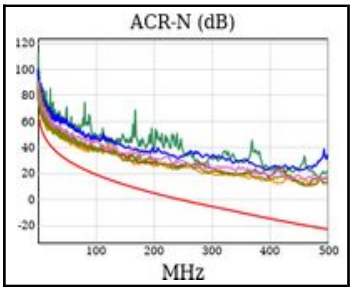


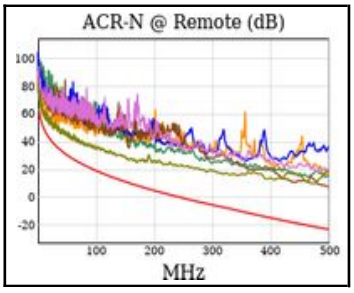
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.3	8.8	9.3	8.8
Freq. (MHz)	479.0	469.0	479.0	469.0
Limit (dB)	9.7	9.8	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.6	10.0	9.6	10.6
Freq. (MHz)	478.0	7.3	478.0	468.0
Limit (dB)	6.7	43.1	6.7	6.9



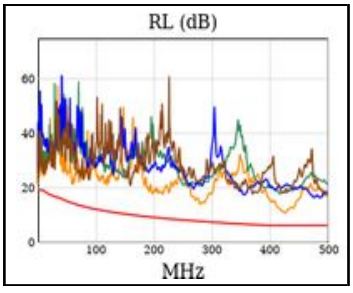


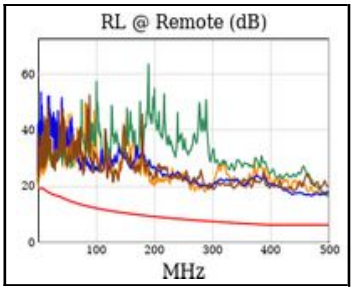
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	8.2	7.1	31.1	30.5
Freq. (MHz)	17.0	5.0	469.0	500.0
Limit (dB)	44.4	56.9	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	8.4	29.5	31.9
Freq. (MHz)	4.8	5.0	469.0	500.0
Limit (dB)	54.8	54.3	-23.6	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	3,6
RL (dB)	4.6	4.9	4.6	10.3
Freq. (MHz)	428.0	9.0	428.0	500.0
Limit (dB)	6.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 228-B

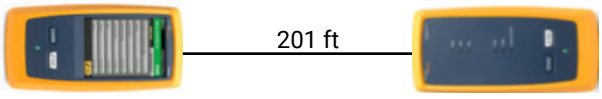
Test Summary: PASS

Date / Time: 11/19/2022 07:34:48 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

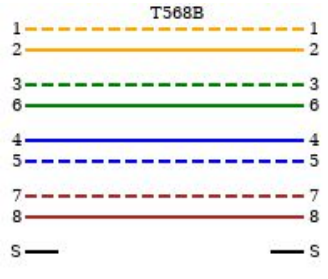
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	201
Prop. Delay (ns), Limit 555	[Pair 4,5]	319
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

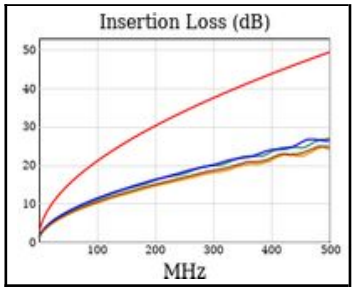


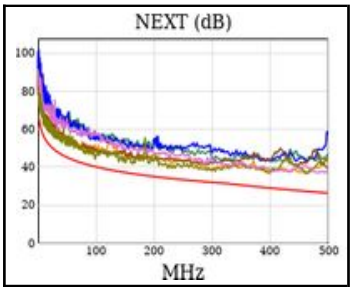
PASS	MAIN	SR	MAIN	SR
	Worst Case Margin		Worst Case Value	
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	3.7	5.9	9.3	6.0
Freq. (MHz)	99.3	10.1	462.0	500.0
Limit (dB)	40.0	56.5	27.0	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	4.9	6.8	9.0	8.1
Freq. (MHz)	99.3	3.3	462.0	500.0
Limit (dB)	37.1	62.0	24.1	23.2

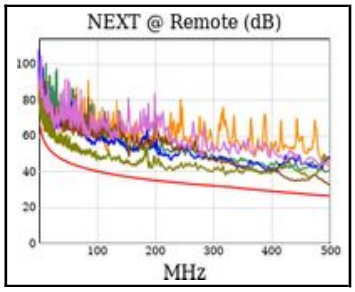
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.5	10.1	9.5
Freq. (MHz)	453.0	459.0	453.0	459.0
Limit (dB)	10.1	10.0	10.1	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	10.8	10.7
Freq. (MHz)	461.0	457.0	470.0	461.0
Limit (dB)	7.0	7.1	6.8	7.0

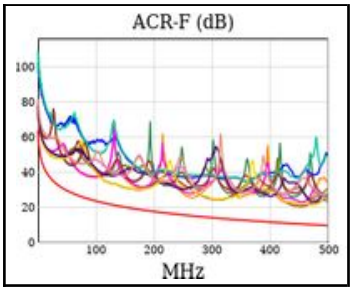
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	8.4	8.5	32.0	29.0
Freq. (MHz)	3.3	3.3	469.0	500.0
Limit (dB)	60.7	60.7	-20.8	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.3	8.7	31.6	30.9
Freq. (MHz)	3.3	3.3	467.0	500.0
Limit (dB)	58.2	58.2	-23.5	-26.1

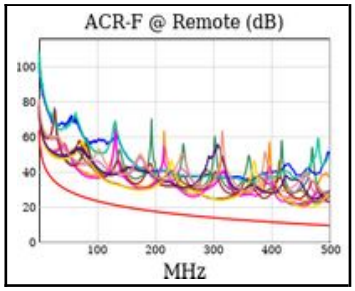
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	5.7	5.4	7.3	8.2
Freq. (MHz)	10.9	10.9	488.0	461.0
Limit (dB)	18.8	18.8	6.0	6.0

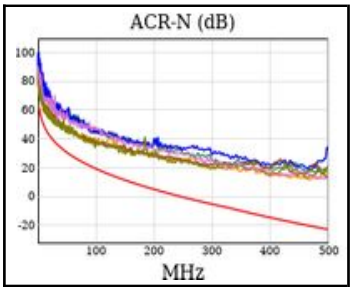


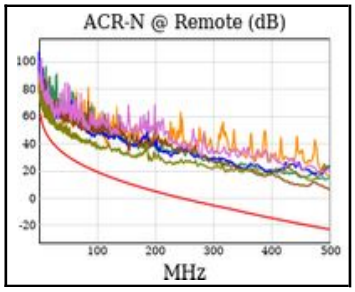


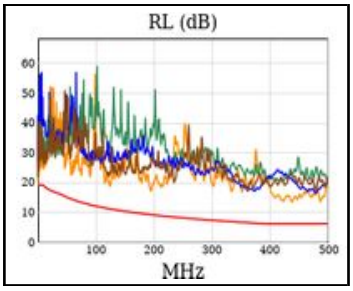


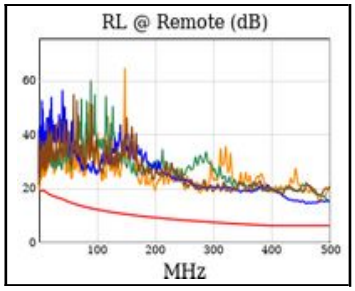












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 229-A

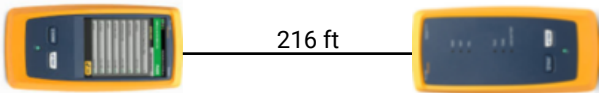
Test Summary: PASS

Date / Time: 11/19/2022 07:41:50 PM
Headroom: 4.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

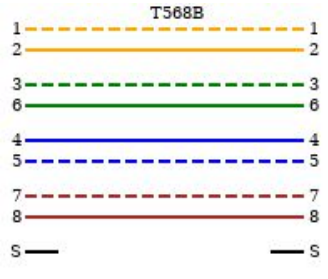
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	216
Prop. Delay (ns), Limit 555	[Pair 4,5]	341
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	20.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

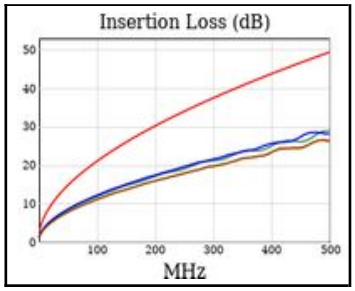


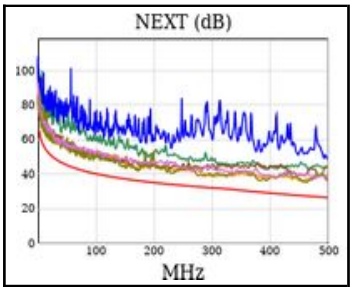
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.5	4.4	7.7	7.5
Freq. (MHz)	173.5	160.5	461.0	500.0
Limit (dB)	35.8	36.4	27.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.2	7.0	7.4	7.9
Freq. (MHz)	173.5	160.5	461.0	460.0
Limit (dB)	32.9	33.5	24.2	24.2

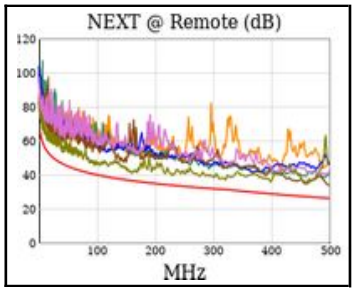
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.7	9.5	11.0
Freq. (MHz)	386.0	398.0	386.0	498.0
Limit (dB)	11.5	11.3	11.5	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.5	10.6	12.1	11.9
Freq. (MHz)	109.5	116.0	498.0	498.0
Limit (dB)	19.5	19.0	6.3	6.3

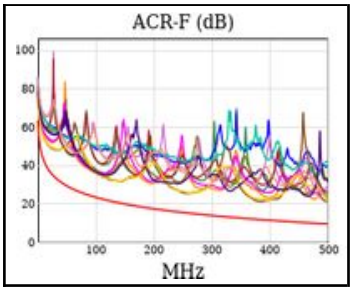
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.2	9.1	31.2	28.6
Freq. (MHz)	6.3	6.3	500.0	500.0
Limit (dB)	54.8	54.8	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	10.9	30.8	30.2
Freq. (MHz)	4.4	6.3	498.0	500.0
Limit (dB)	55.6	52.2	-25.9	-26.1

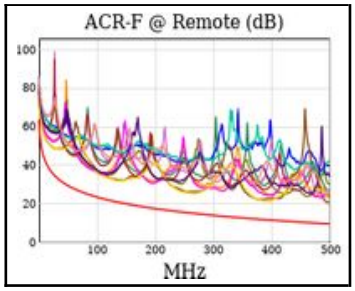
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	4.3	3.1	7.9	8.0
Freq. (MHz)	10.4	10.1	422.0	455.0
Limit (dB)	18.9	19.0	6.0	6.0

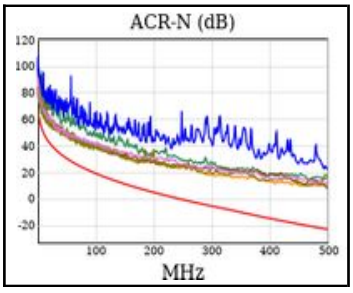


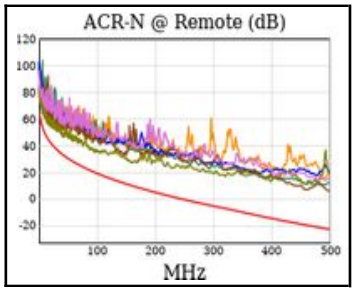


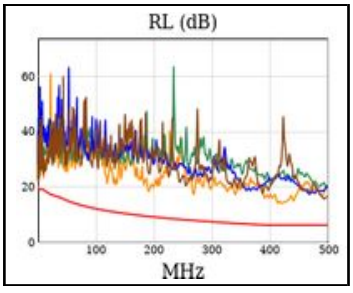


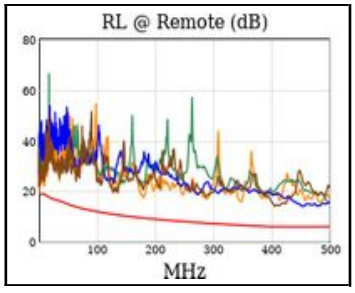












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 229-B

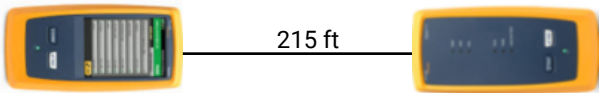
Test Summary: PASS

Date / Time: 11/19/2022 07:41:07 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

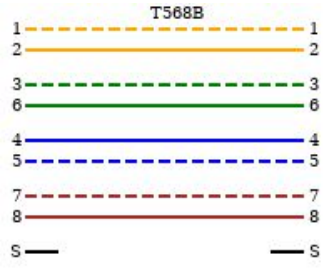
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

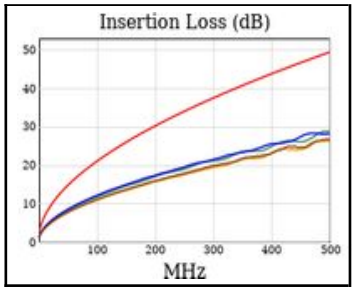
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	215
Prop. Delay (ns), Limit 555	[Pair 4,5]	341
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	20.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

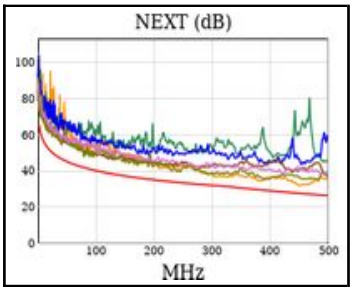


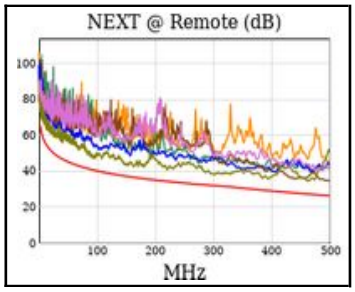
PASS



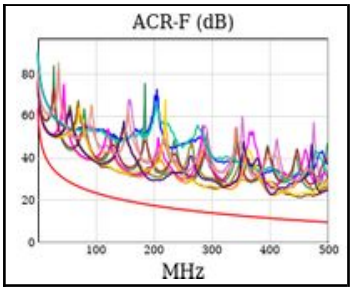


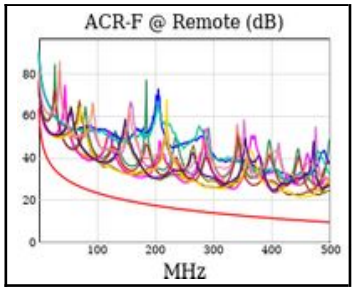
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	4.2	5.8	4.2	7.2
Freq. (MHz)	452.0	152.0	452.0	462.0
Limit (dB)	27.3	36.8	27.3	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.1	7.7	5.7	7.7
Freq. (MHz)	296.0	462.0	462.0	462.0
Limit (dB)	28.9	24.1	24.1	24.1



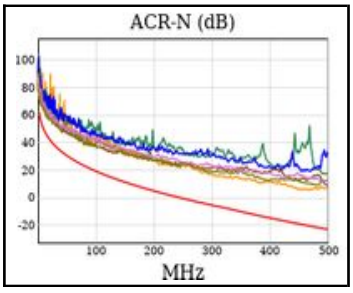


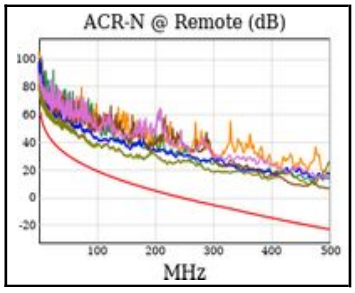
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.9	10.8	10.9	10.8
Freq. (MHz)	452.0	452.0	452.0	452.0
Limit (dB)	10.2	10.2	10.2	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	10.6	13.1
Freq. (MHz)	408.0	6.5	408.0	487.0
Limit (dB)	8.0	44.0	8.0	6.5



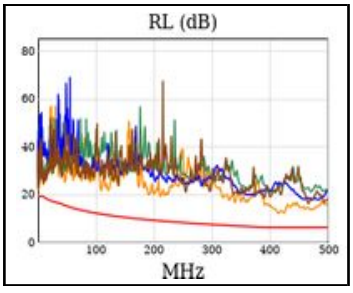


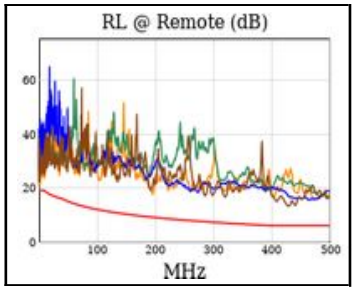
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	9.6	26.0	29.4
Freq. (MHz)	3.0	4.8	468.0	500.0
Limit (dB)	61.4	57.3	-20.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.9	9.7	27.8	30.7
Freq. (MHz)	3.0	3.1	484.0	499.0
Limit (dB)	58.4	58.3	-24.8	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.0	4.5	5.9	7.2
Freq. (MHz)	10.4	10.1	416.0	430.0
Limit (dB)	18.9	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 230-A

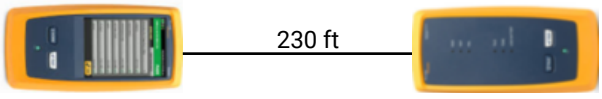
Test Summary: PASS

Date / Time: 11/19/2022 07:45:48 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

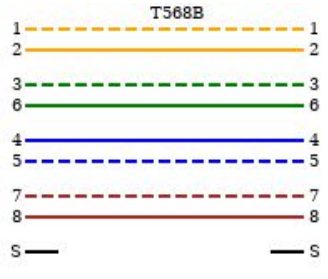
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

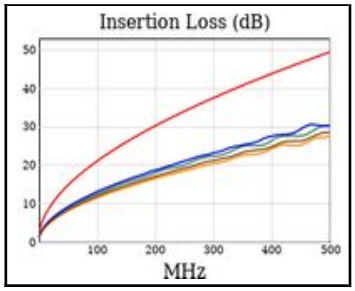
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	230
Prop. Delay (ns), Limit 555	[Pair 4,5]	365
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 4,5]	17.3
Frequency (MHz)	[Pair 4,5]	472.0
Limit (dB)	[Pair 4,5]	47.8

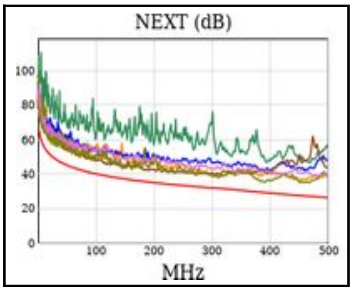


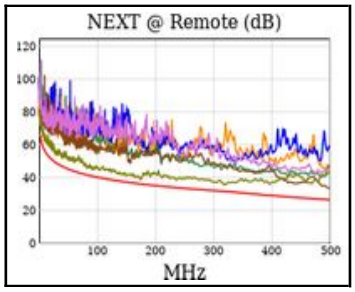
PASS



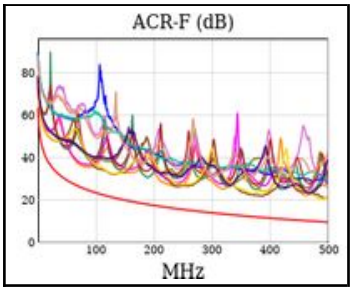


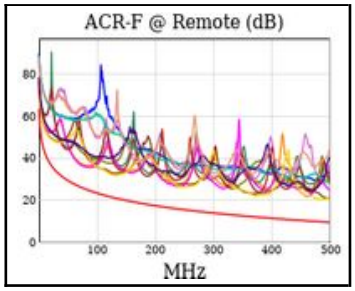
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.6	2.6	7.7	7.1
Freq. (MHz)	146.0	176.0	468.0	500.0
Limit (dB)	37.1	35.7	26.9	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	5.4	5.4	7.8	9.2
Freq. (MHz)	313.0	176.0	452.0	500.0
Limit (dB)	28.4	32.8	24.4	23.2



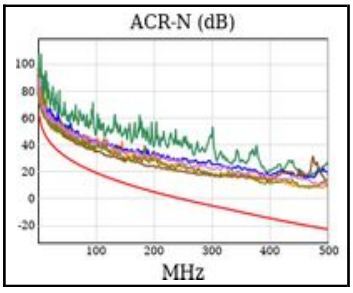


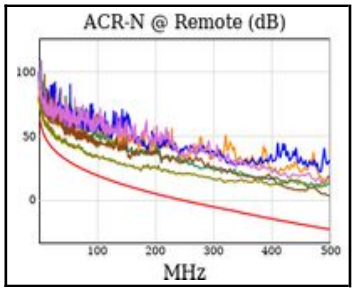
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.2	10.8	10.7
Freq. (MHz)	387.0	375.0	493.0	492.0
Limit (dB)	11.5	11.8	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.3	11.5	11.9
Freq. (MHz)	242.5	3.6	476.0	465.0
Limit (dB)	12.6	49.1	6.7	6.9



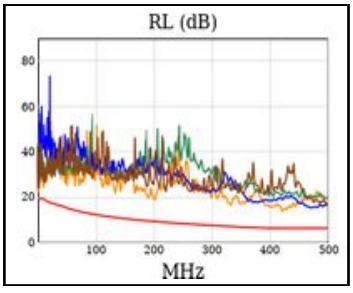


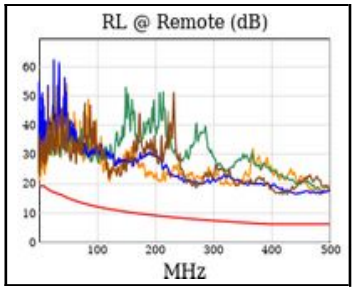
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	9.4	8.0	28.2	26.1
Freq. (MHz)	3.0	3.0	468.0	500.0
Limit (dB)	61.4	61.4	-20.7	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	8.7	8.4	27.9	28.2
Freq. (MHz)	4.3	4.3	469.0	500.0
Limit (dB)	55.8	55.8	-23.6	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.2	4.2	7.4	10.1
Freq. (MHz)	11.1	11.1	422.0	420.0
Limit (dB)	18.8	18.8	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 230-B

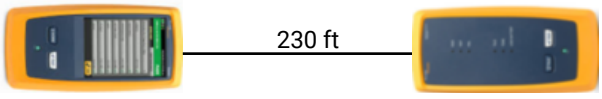
Test Summary: PASS

Date / Time: 11/19/2022 07:46:38 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

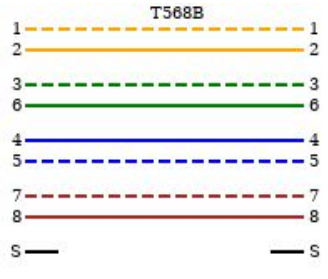
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

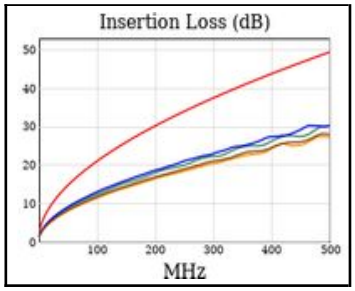
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	230
Prop. Delay (ns), Limit 555	[Pair 4,5]	364
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	10.4
Insertion Loss Margin (dB)	[Pair 4,5]	19.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

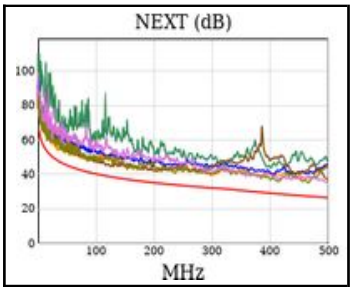


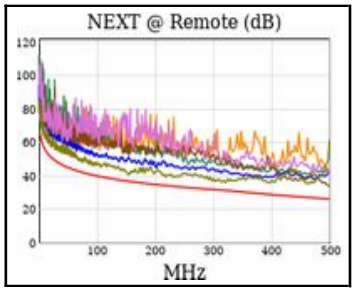
PASS



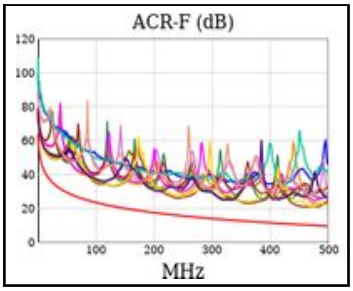


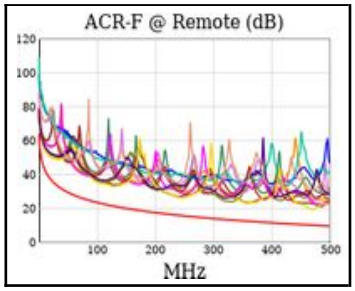
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.8	3.9	7.8	7.8
Freq. (MHz)	126.5	154.0	467.0	499.0
Limit (dB)	38.2	36.7	26.9	26.1
Worst Pair	3,6	7,8	7,8	4,5
PS NEXT (dB)	5.1	6.4	8.1	9.4
Freq. (MHz)	46.3	154.0	467.0	499.0
Limit (dB)	42.8	33.8	24.0	23.3



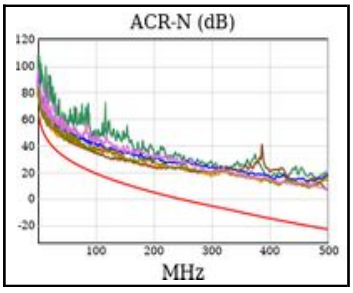


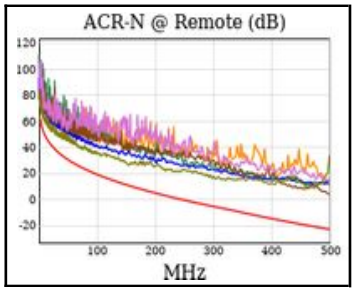
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.0	9.4	10.8	9.4
Freq. (MHz)	242.0	472.0	475.0	472.0
Limit (dB)	15.6	9.8	9.7	9.8
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.2	10.8	11.7	10.8
Freq. (MHz)	334.0	474.0	475.0	474.0
Limit (dB)	9.8	6.7	6.7	6.7



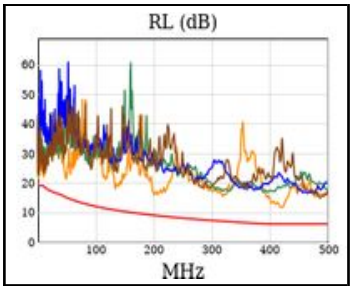


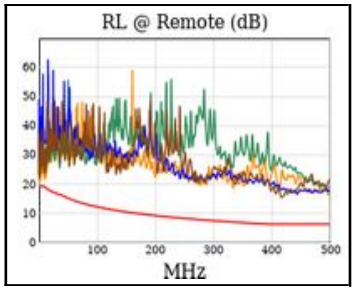
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	8.9	8.3	29.8	26.8
Freq. (MHz)	4.4	4.4	500.0	499.0
Limit (dB)	58.1	58.1	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	8.6	8.6	28.8	28.5
Freq. (MHz)	4.3	4.4	499.0	499.0
Limit (dB)	55.8	55.6	-26.0	-26.0





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.1	2.5	5.5	9.2
Freq. (MHz)	11.1	11.1	420.0	418.0
Limit (dB)	18.8	18.8	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 248-A

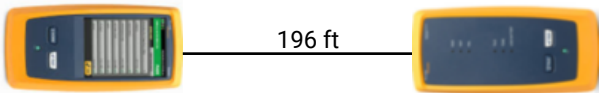
Test Summary: PASS

Date / Time: 11/19/2022 06:49:46 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

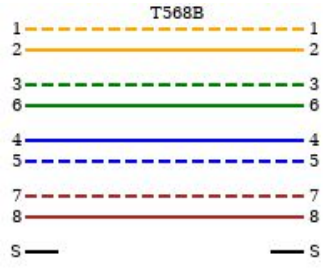
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	196
Prop. Delay (ns), Limit 555	[Pair 4,5]	311
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	8.8
Insertion Loss Margin (dB)	[Pair 3,6]	22.4
Frequency (MHz)	[Pair 3,6]	487.0
Limit (dB)	[Pair 3,6]	48.6



PASS

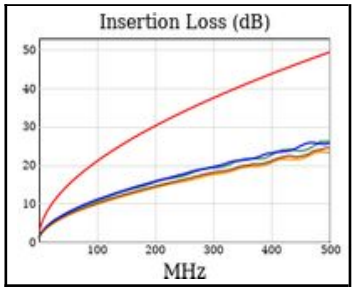


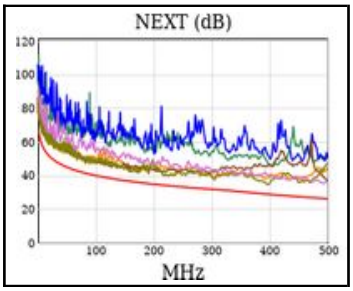
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.4	4.7	5.7	7.0
Freq. (MHz)	171.0	175.0	398.0	500.0
Limit (dB)	36.0	35.8	28.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.1	7.0	6.9	8.5
Freq. (MHz)	160.5	6.9	396.0	483.0
Limit (dB)	33.5	56.7	25.9	23.6

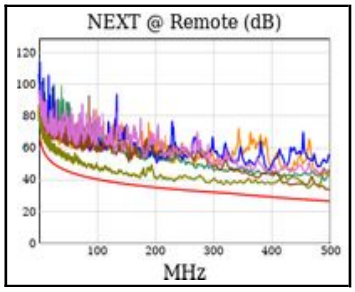
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.4	10.1	10.5	10.1
Freq. (MHz)	447.0	447.0	451.0	447.0
Limit (dB)	10.3	10.3	10.2	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.5	11.5	11.5
Freq. (MHz)	472.0	475.0	472.0	475.0
Limit (dB)	6.8	6.7	6.8	6.7

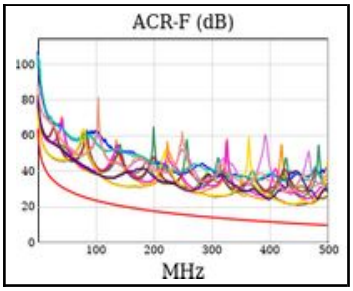
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	9.3	9.3	33.5	30.7
Freq. (MHz)	6.9	6.9	494.0	500.0
Limit (dB)	53.8	53.8	-22.7	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.7	9.4	33.8	31.0
Freq. (MHz)	6.8	3.4	497.0	483.0
Limit (dB)	51.5	57.9	-25.8	-24.8

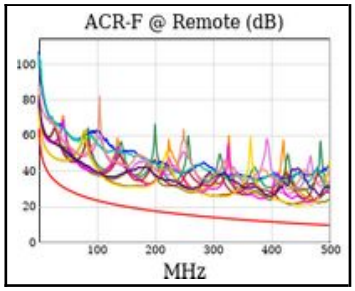
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.8	6.7	7.4	8.8
Freq. (MHz)	11.1	11.4	498.0	411.0
Limit (dB)	18.8	18.7	6.0	6.0

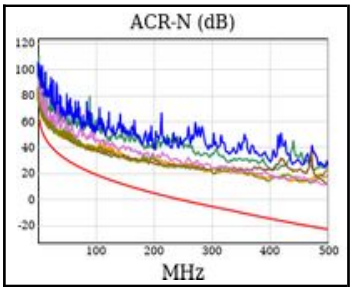


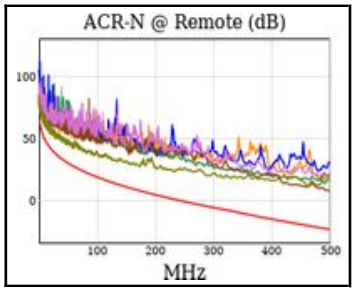


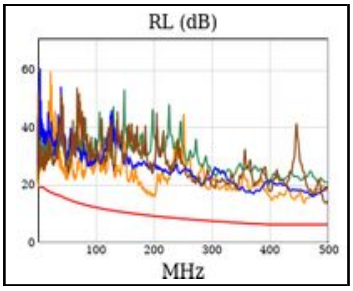


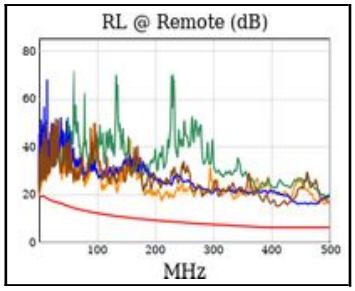












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 23-A

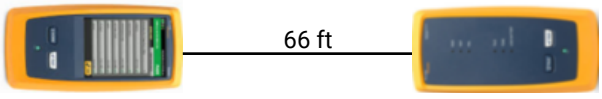
Test Summary: PASS

Date / Time: 11/23/2022 11:54:22 AM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

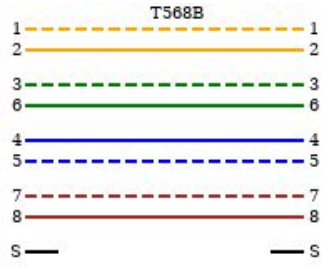
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

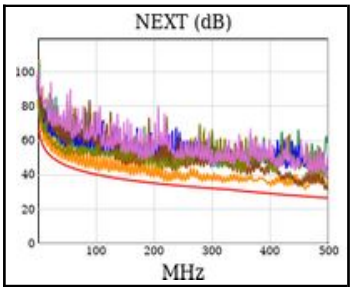
Length (ft), Limit 328	[Pair 1,2]	66
Prop. Delay (ns), Limit 555	[Pair 4,5]	104
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	5.6
Insertion Loss Margin (dB)	[Pair 3,6]	38.6
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

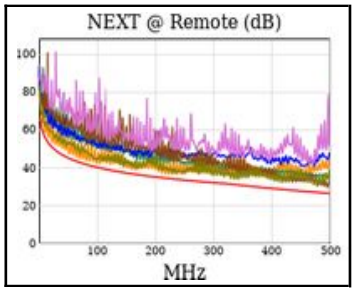


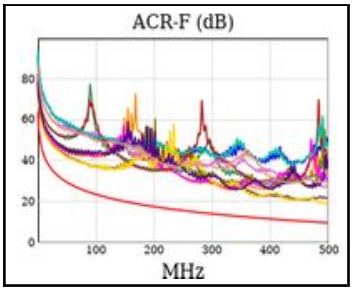
PASS

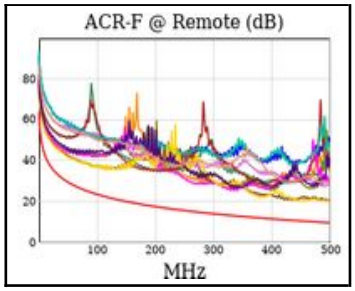


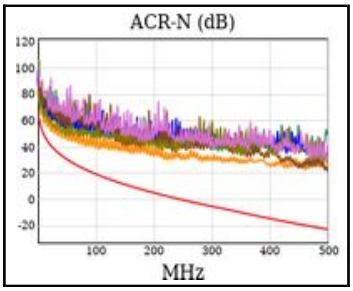


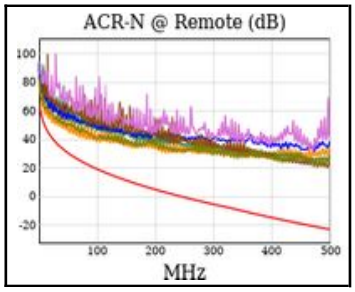


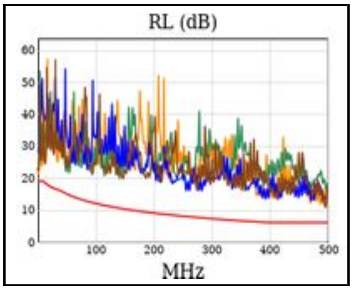


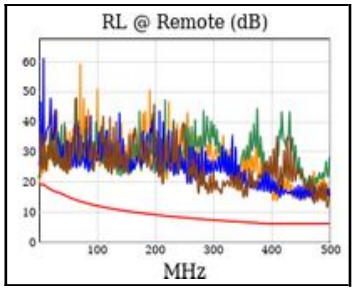












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	1.9	1.9	4.4	3.0
Freq. (MHz)	224.5	70.8	500.0	497.0
Limit (dB)	33.9	42.5	26.1	26.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.9	2.7	5.7	3.1
Freq. (MHz)	41.3	230.5	500.0	479.0
Limit (dB)	43.7	30.8	23.2	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.9	9.5	8.9	10.1
Freq. (MHz)	498.0	450.0	498.0	498.0
Limit (dB)	9.3	10.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.2	11.2	11.8	12.5
Freq. (MHz)	391.0	392.0	498.0	498.0
Limit (dB)	8.4	8.4	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.8	7.2	44.2	42.9
Freq. (MHz)	5.8	5.8	500.0	497.0
Limit (dB)	55.6	55.6	-23.2	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.1	8.1	44.6	41.2
Freq. (MHz)	5.6	5.4	500.0	479.0
Limit (dB)	53.2	53.7	-26.1	-24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.5	5.3	4.5	5.3
Freq. (MHz)	497.0	497.0	497.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 23-B

Test Summary: PASS

Date / Time: 11/23/2022 11:56:14 AM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS IDF F022

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	65
Prop. Delay (ns), Limit 555	[Pair 4,5]	103
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	38.5
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	2.6	2.4	4.9	2.4
Freq. (MHz)	227.0	497.0	461.0	497.0
Limit (dB)	33.8	26.2	27.1	26.2
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	4.9	4.5	6.5	4.7
Freq. (MHz)	41.8	227.0	490.0	496.0
Limit (dB)	43.6	30.9	23.5	23.3

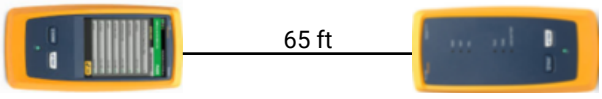
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	9.6	10.6	9.6
Freq. (MHz)	498.0	497.0	498.0	497.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.2	12.4	11.7
Freq. (MHz)	6.0	11.4	498.0	497.0
Limit (dB)	44.7	39.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	9.1	43.4	42.6
Freq. (MHz)	6.1	5.8	466.0	497.0
Limit (dB)	55.0	55.6	-20.5	-23.0
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	11.8	10.9	44.8	43.3
Freq. (MHz)	5.9	5.9	490.0	497.0
Limit (dB)	52.8	52.8	-25.3	-25.8

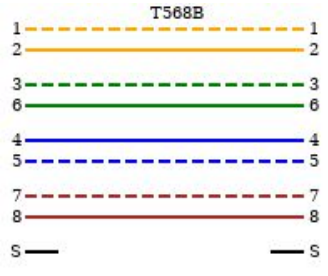
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	4.2	5.5	4.2	5.5
Freq. (MHz)	494.0	489.0	494.0	489.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

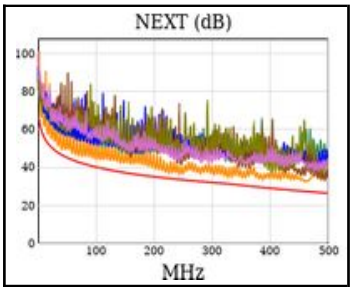
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

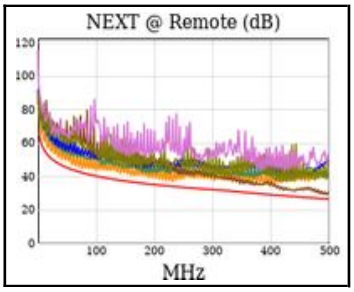


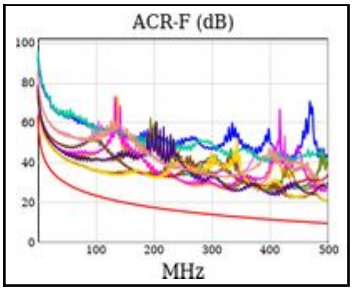
PASS

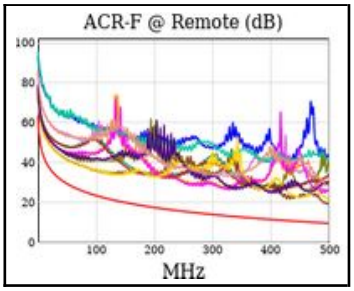


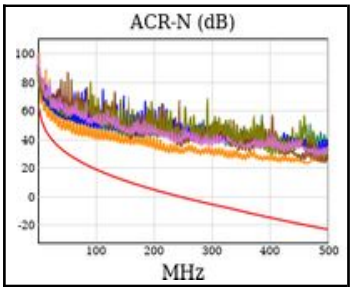


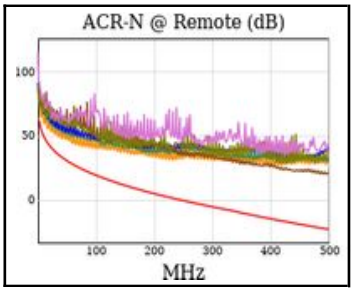


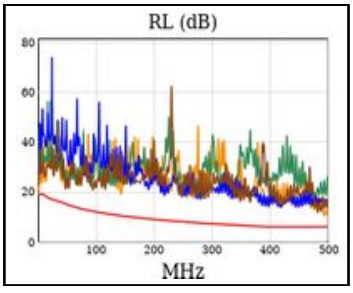


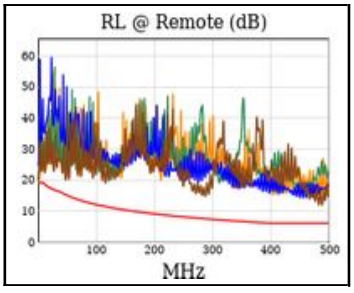












FLUKE networks

LinkWare Live

Cable ID: 222-B

Test Summary: PASS

Date / Time: 12/10/2022 05:18:43 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	59
Prop. Delay (ns), Limit 555	[Pair 4,5]	94
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	2.8
Insertion Loss Margin (dB)	[Pair 4,5]	37.7
Frequency (MHz)	[Pair 4,5]	464.0
Limit (dB)	[Pair 4,5]	47.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	4.3	3.4	4.3	3.4
Freq. (MHz)	497.0	466.0	497.0	466.0
Limit (dB)	26.2	26.9	26.2	26.9
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	5.4	3.8	6.0	5.0
Freq. (MHz)	66.3	218.0	497.0	459.0
Limit (dB)	40.2	31.2	23.3	24.2

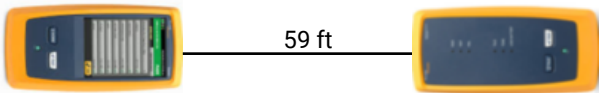
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	11.2	10.9	11.2	11.4
Freq. (MHz)	499.0	445.0	499.0	498.0
Limit (dB)	9.3	10.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	11.4	12.9	11.5
Freq. (MHz)	7.5	402.0	498.0	408.0
Limit (dB)	42.8	8.2	6.3	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	10.8	10.8	44.9	43.1
Freq. (MHz)	6.5	5.4	497.0	466.0
Limit (dB)	54.4	56.2	-23.0	-20.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	10.8	46.2	44.4
Freq. (MHz)	6.1	6.1	497.0	466.0
Limit (dB)	52.4	52.4	-25.8	-23.4

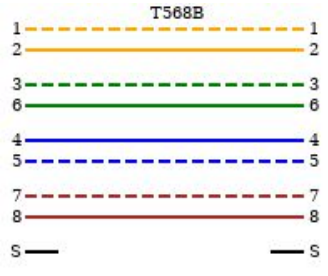
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.8	3.4	6.0	4.4
Freq. (MHz)	128.5	89.8	404.0	342.0
Limit (dB)	10.9	12.5	6.0	6.7

Compliant Network Standards:

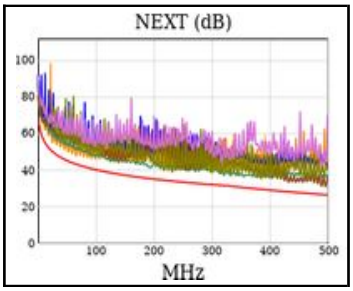
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

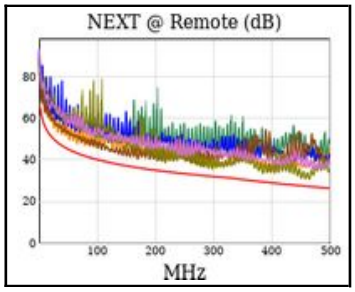


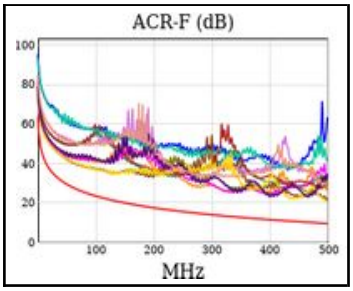
PASS

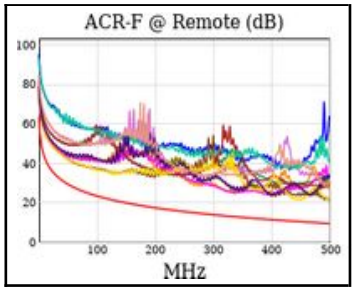


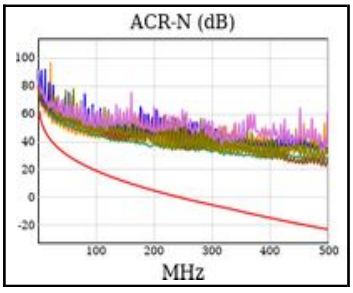


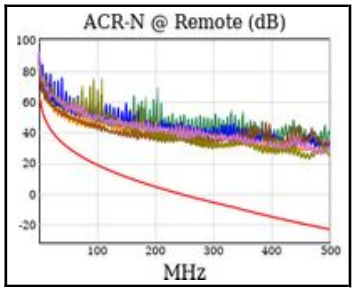


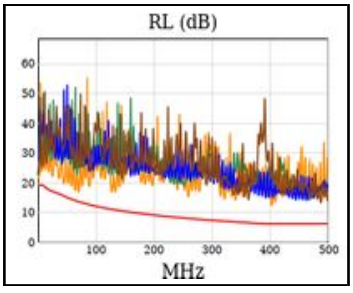


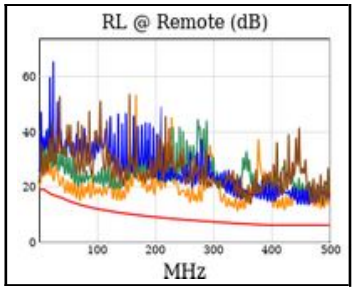












FLUKE networks

LinkWare Live

Cable ID: 230-A

Test Summary: PASS

Date / Time: 12/10/2022 05:21:32 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	198
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.9	4.5	8.3	8.2
Freq. (MHz)	450.0	186.0	500.0	459.0
Limit (dB)	27.3	35.3	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.0	4.8	9.0	8.6
Freq. (MHz)	456.0	289.0	456.0	459.0
Limit (dB)	24.3	29.0	24.3	24.2

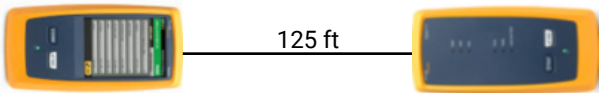
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	9.6	10.2	9.6
Freq. (MHz)	498.0	498.0	498.0	498.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.6	10.5	12.2	12.3
Freq. (MHz)	1.0	1.0	498.0	498.0
Limit (dB)	60.3	60.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.3	9.7	40.7	40.9
Freq. (MHz)	4.9	5.0	500.0	481.0
Limit (dB)	57.1	56.9	-23.2	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.8	10.6	43.0	40.2
Freq. (MHz)	3.0	5.0	500.0	462.0
Limit (dB)	58.4	54.3	-26.1	-23.1

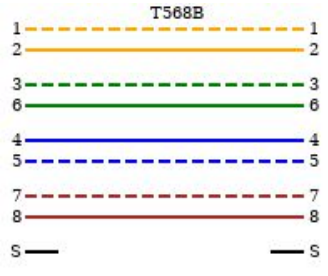
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	7.3	3.7	8.6	3.7
Freq. (MHz)	41.5	500.0	323.0	500.0
Limit (dB)	15.8	6.0	6.9	6.0

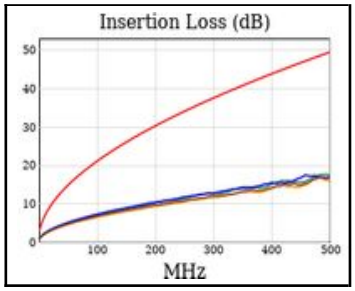
Compliant Network Standards:

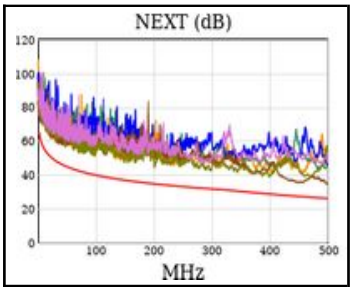
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

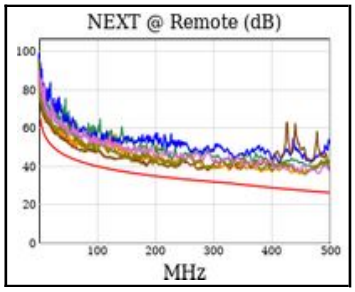


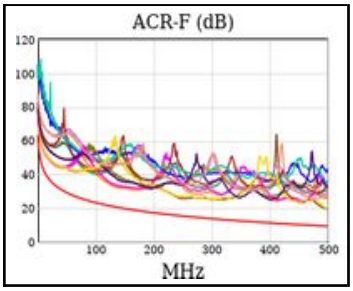
PASS

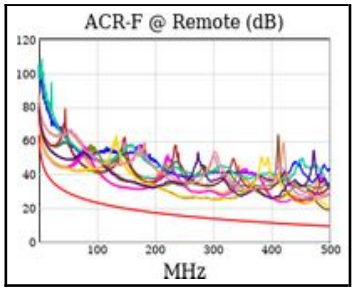


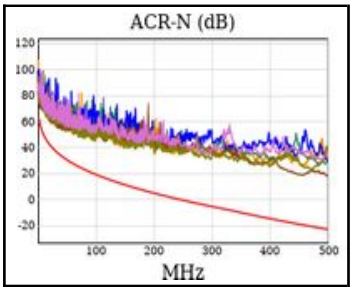


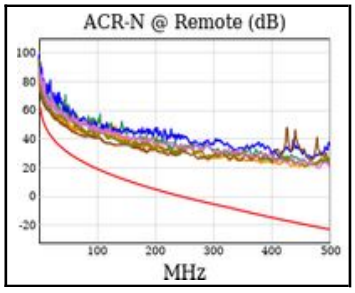


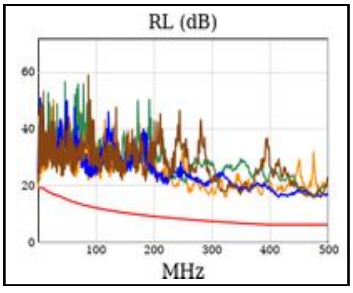


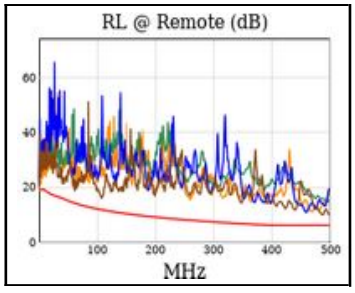












FLUKE networks

LinkWare Live

Cable ID: 230-B

Test Summary: PASS

Date / Time: 12/10/2022 05:22:02 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	125
Prop. Delay (ns), Limit 555	[Pair 4,5]	197
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	5.8
Insertion Loss Margin (dB)	[Pair 3,6]	31.1
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	8.0	4.8	8.3	6.8
Freq. (MHz)	444.0	57.0	499.0	456.0
Limit (dB)	27.5	44.1	26.1	27.2
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.8	5.2	10.1	7.4
Freq. (MHz)	5.5	246.5	499.0	456.0
Limit (dB)	58.3	30.3	23.3	24.3

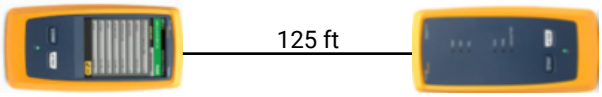
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	10.1	11.0	10.6
Freq. (MHz)	254.0	254.0	500.0	500.0
Limit (dB)	15.2	15.2	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.3	11.9	12.6
Freq. (MHz)	1.4	3.4	500.0	500.0
Limit (dB)	57.5	49.7	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	12.6	10.9	40.5	39.0
Freq. (MHz)	5.6	3.1	499.0	462.0
Limit (dB)	55.8	61.1	-23.1	-20.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	12.1	10.3	42.4	38.8
Freq. (MHz)	5.4	5.3	499.0	462.0
Limit (dB)	53.7	53.9	-26.0	-23.1

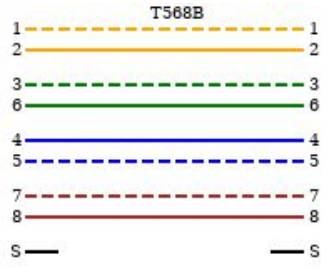
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.8	2.9	5.8	2.9
Freq. (MHz)	432.0	497.0	432.0	497.0
Limit (dB)	6.0	6.0	6.0	6.0

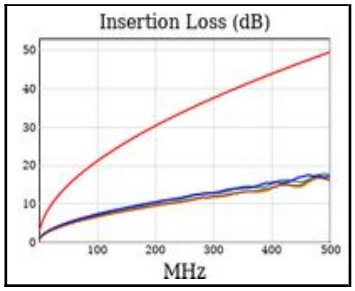
Compliant Network Standards:

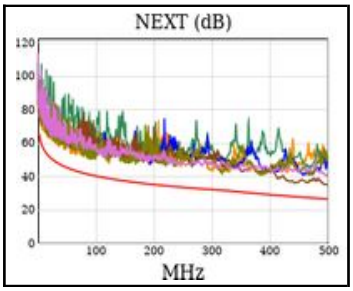
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

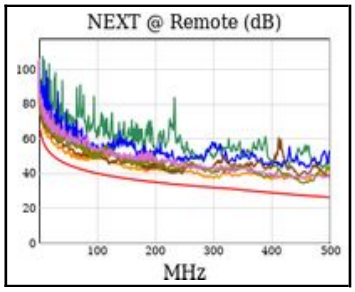


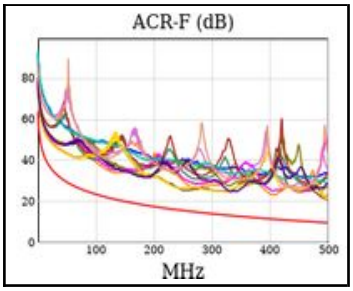
PASS

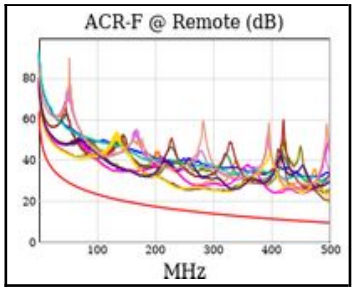


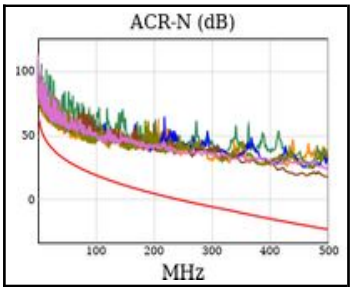


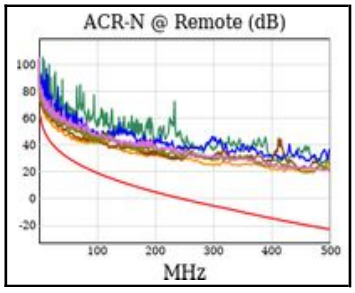


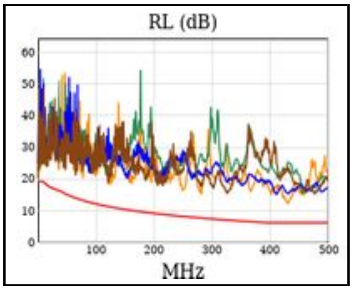


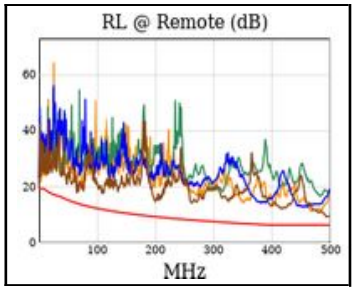












FLUKE networks

LinkWare Live

Cable ID: 232-A

Test Summary: PASS

Date / Time: 12/10/2022 05:24:00 PM
Headroom: 5.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	151
Prop. Delay (ns), Limit 555	[Pair 4,5]	239
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	7.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.6	5.8	6.6	8.7
Freq. (MHz)	499.0	163.0	499.0	464.0
Limit (dB)	26.1	36.3	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.7	4.8	8.3	8.5
Freq. (MHz)	4.3	76.8	499.0	459.0
Limit (dB)	60.1	39.1	23.3	24.2

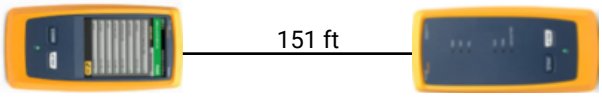
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	10.0	10.5	10.1
Freq. (MHz)	372.0	373.0	372.0	378.0
Limit (dB)	11.8	11.8	11.8	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.3	11.7	13.5
Freq. (MHz)	7.5	5.1	385.0	480.0
Limit (dB)	42.8	46.1	8.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	10.6	9.7	35.3	38.8
Freq. (MHz)	7.0	4.0	499.0	489.0
Limit (dB)	53.7	58.9	-23.1	-22.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.4	9.1	37.1	39.9
Freq. (MHz)	4.4	4.3	499.0	500.0
Limit (dB)	55.6	55.8	-26.0	-26.1

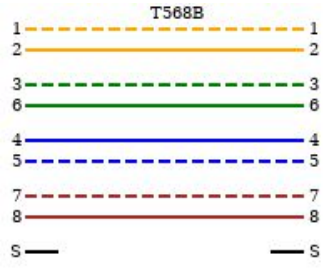
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.8	4.8	8.4	5.7
Freq. (MHz)	17.1	123.5	462.0	500.0
Limit (dB)	17.8	11.1	6.0	6.0

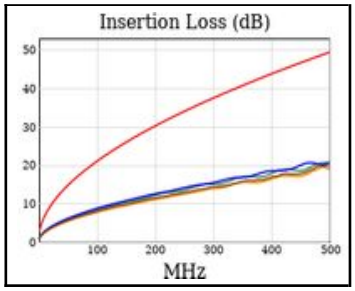
Compliant Network Standards:

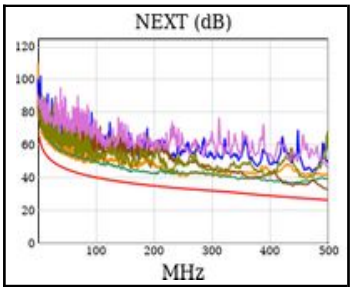
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

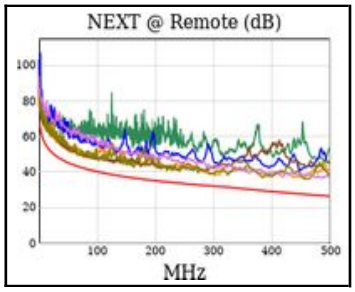


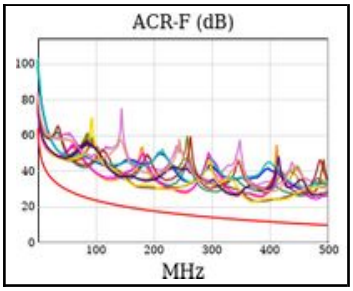
PASS

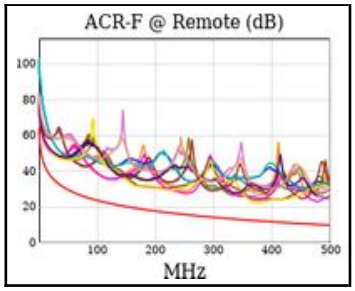


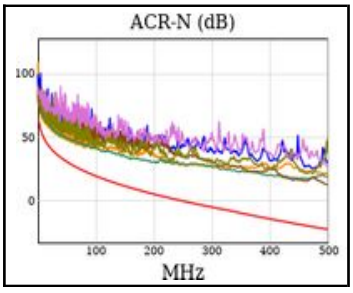


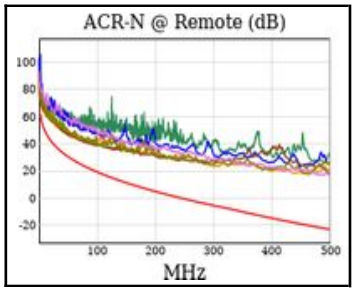


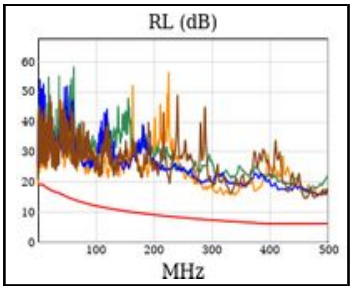


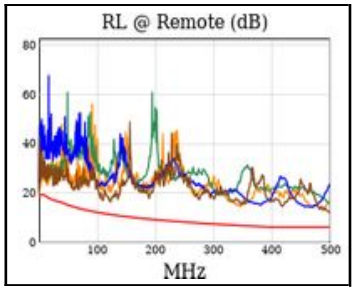












FLUKE networks

LinkWare Live

Cable ID: 232-B

Test Summary: PASS

Date / Time: 12/10/2022 05:26:07 PM
Headroom: 4.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	151
Prop. Delay (ns), Limit 555	[Pair 4,5]	238
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	6.9
Insertion Loss Margin (dB)	[Pair 3,6]	28.5
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.6	4.9	7.1	7.8
Freq. (MHz)	445.0	305.0	500.0	453.0
Limit (dB)	27.5	31.6	26.1	27.3
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.8	4.7	9.0	7.8
Freq. (MHz)	98.3	93.3	500.0	459.0
Limit (dB)	37.2	37.6	23.2	24.2

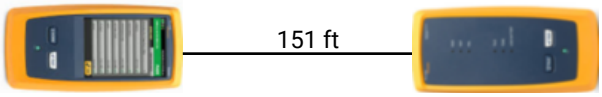
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.1	9.6	10.5	9.7
Freq. (MHz)	442.0	447.0	466.0	453.0
Limit (dB)	10.3	10.3	9.9	10.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.9	11.5	11.3
Freq. (MHz)	1.0	5.3	446.0	427.0
Limit (dB)	60.3	45.9	7.3	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.5	10.8	36.1	37.0
Freq. (MHz)	11.4	11.4	500.0	472.0
Limit (dB)	48.8	48.8	-23.2	-21.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.1	10.5	38.0	36.0
Freq. (MHz)	4.4	4.3	500.0	460.0
Limit (dB)	55.6	55.8	-26.1	-22.9

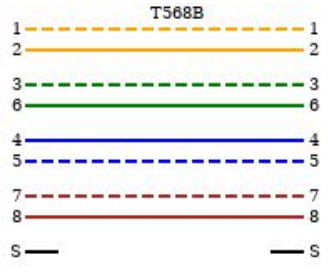
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.2	4.4	8.6	5.3
Freq. (MHz)	30.3	30.3	484.0	492.0
Limit (dB)	16.6	16.6	6.0	6.0

Compliant Network Standards:

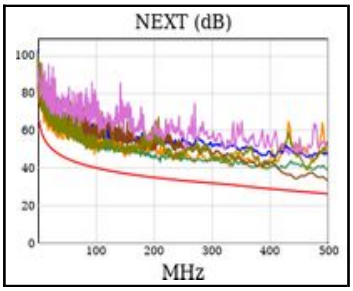
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

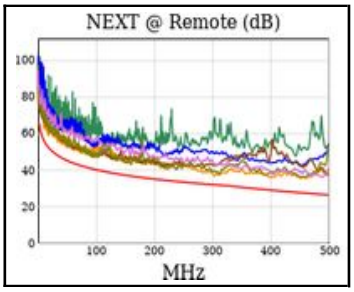


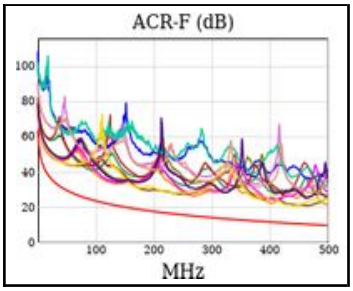
PASS

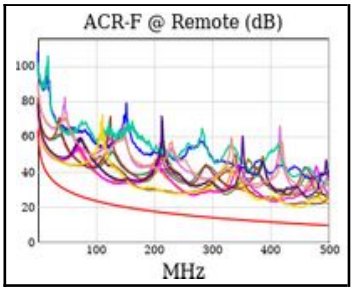


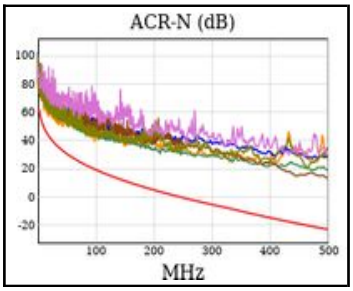


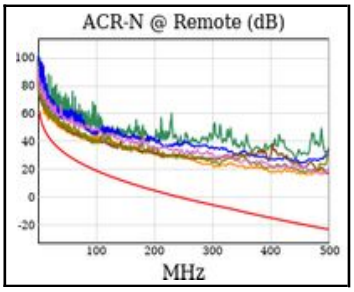


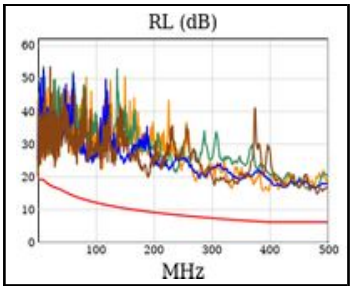


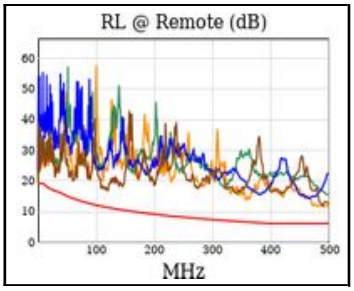












FLUKE networks

LinkWare Live

Cable ID: 237-A

Test Summary: PASS

Date / Time: 12/10/2022 05:36:31 PM
Headroom: 5.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	148
Prop. Delay (ns), Limit 555	[Pair 4,5]	234
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 4,5]	27.4
Frequency (MHz)	[Pair 4,5]	470.0
Limit (dB)	[Pair 4,5]	47.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	7.3	5.7	7.9	8.2
Freq. (MHz)	206.5	90.3	500.0	465.0
Limit (dB)	34.5	40.7	26.1	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	9.1	5.6	9.4	8.3
Freq. (MHz)	4.4	157.5	500.0	465.0
Limit (dB)	59.9	33.7	23.2	24.1

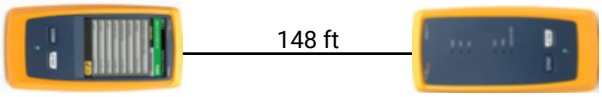
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	10.2	10.5	10.4
Freq. (MHz)	433.0	384.0	433.0	436.0
Limit (dB)	10.5	11.6	10.5	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.0	11.4	12.1
Freq. (MHz)	1.0	1.1	433.0	476.0
Limit (dB)	60.3	59.2	7.5	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	11.7	11.0	37.2	38.3
Freq. (MHz)	4.3	4.1	500.0	487.0
Limit (dB)	58.3	58.6	-23.2	-22.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.8	10.8	38.7	36.9
Freq. (MHz)	4.4	4.4	500.0	465.0
Limit (dB)	55.6	55.6	-26.1	-23.3

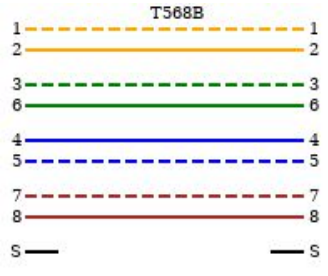
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	8.5	6.8	8.5	6.8
Freq. (MHz)	482.0	500.0	482.0	500.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

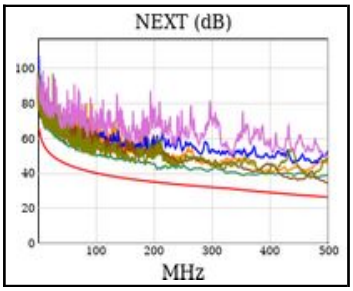
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

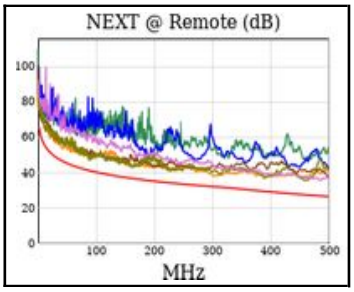


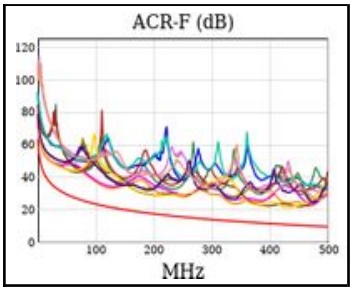
PASS

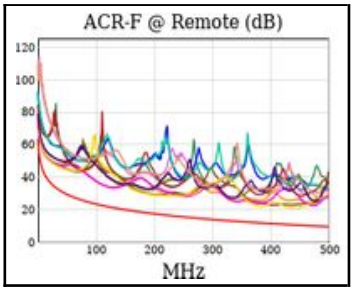


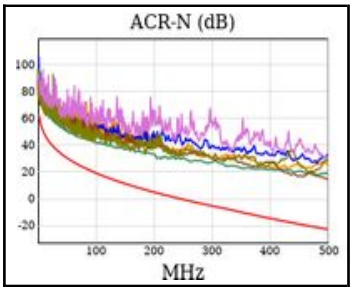


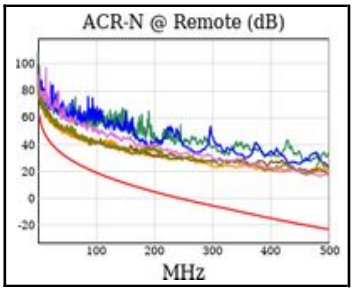


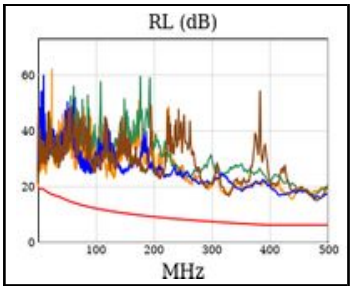


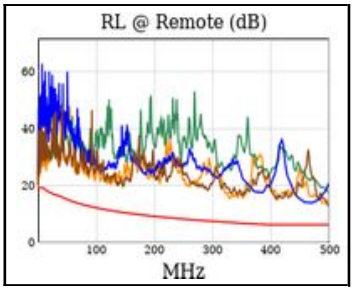












FLUKE networks

LinkWare Live

Cable ID: 237-B

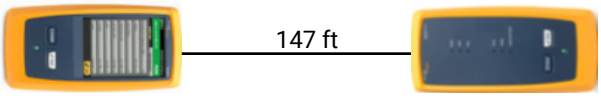
Test Summary: PASS

Date / Time: 12/10/2022 05:38:44 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

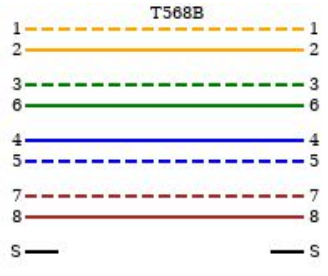
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

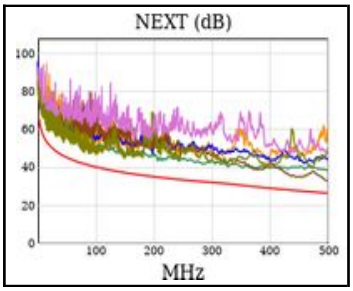
Length (ft), Limit 328	[Pair 1,2]	147
Prop. Delay (ns), Limit 555	[Pair 4,5]	233
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	6.7
Insertion Loss Margin (dB)	[Pair 3,6]	29.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

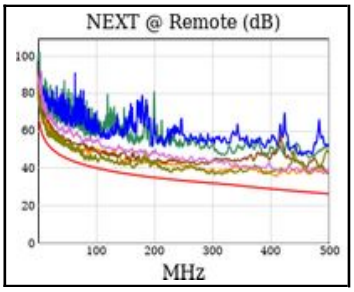


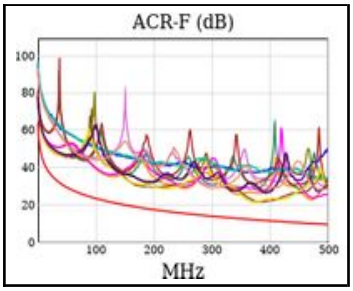
PASS

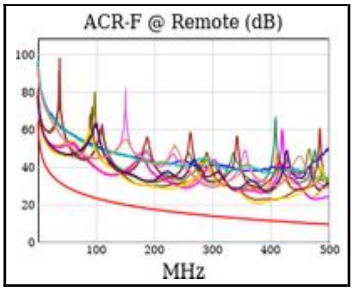


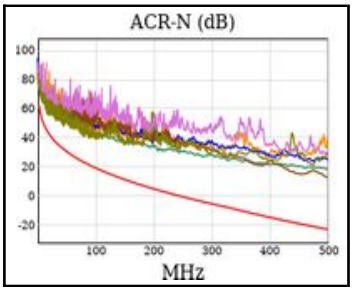


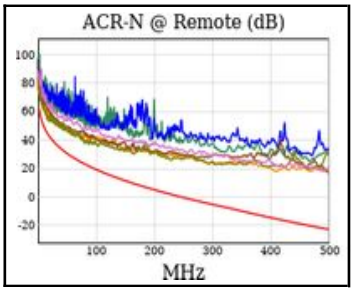


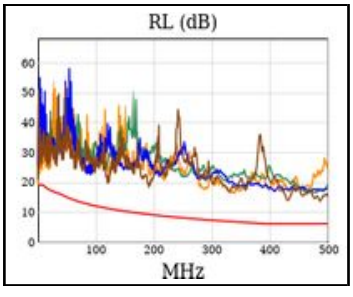


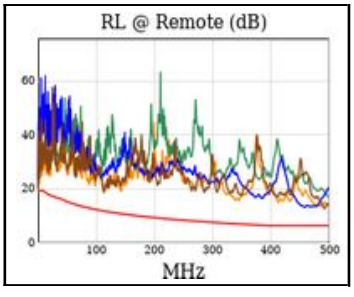












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	6.0	2.5	6.6	7.0
Freq. (MHz)	81.3	81.3	500.0	412.0
Limit (dB)	41.5	41.5	26.1	28.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	6.9	3.6	8.3	9.4
Freq. (MHz)	16.5	88.5	500.0	467.0
Limit (dB)	50.4	38.0	23.2	24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.4	8.8	9.4	8.8
Freq. (MHz)	374.0	377.0	374.0	377.0
Limit (dB)	11.8	11.7	11.8	11.7
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.9	11.0	11.1	11.0
Freq. (MHz)	379.0	377.0	386.0	377.0
Limit (dB)	8.7	8.7	8.5	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	11.2	9.6	35.9	40.1
Freq. (MHz)	4.6	16.5	500.0	500.0
Limit (dB)	57.6	44.7	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.5	8.9	37.6	40.0
Freq. (MHz)	4.6	4.4	500.0	499.0
Limit (dB)	55.1	55.6	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	7,8
RL (dB)	6.7	6.2	7.5	6.2
Freq. (MHz)	19.9	493.0	488.0	493.0
Limit (dB)	17.5	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 2-A

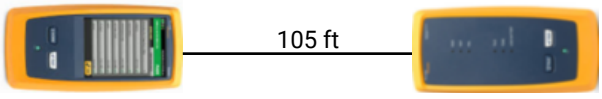
Test Summary: PASS

Date / Time: 12/18/2022 01:35:06 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

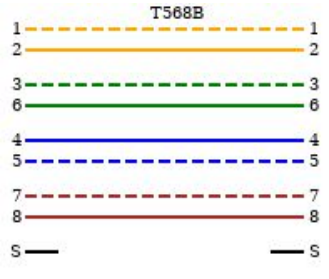
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

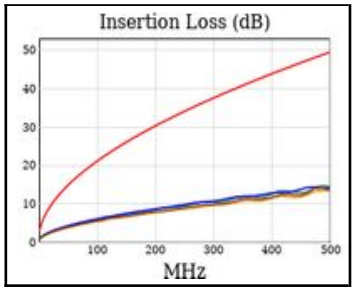
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

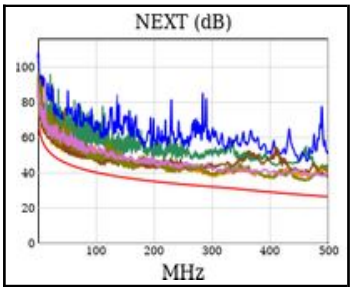
Length (ft), Limit 328	[Pair 1,2]	105
Prop. Delay (ns), Limit 555	[Pair 4,5]	165
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	5.5
Insertion Loss Margin (dB)	[Pair 3,6]	34.3
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

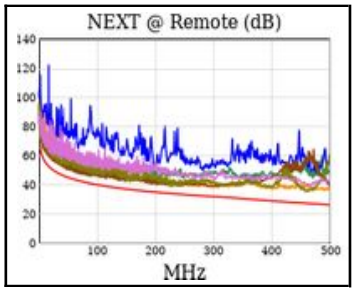


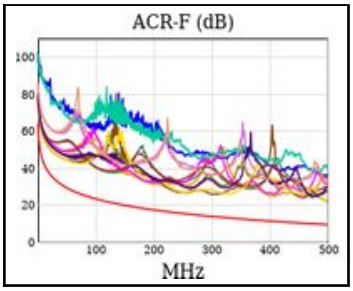
PASS

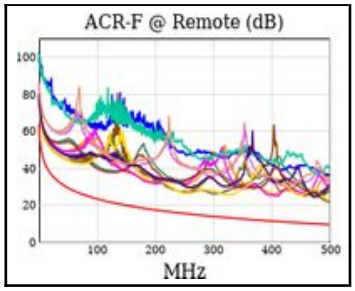


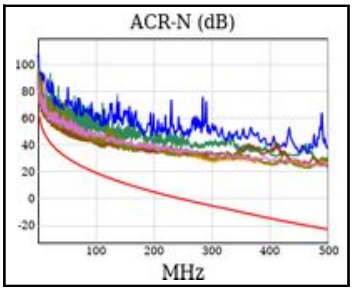


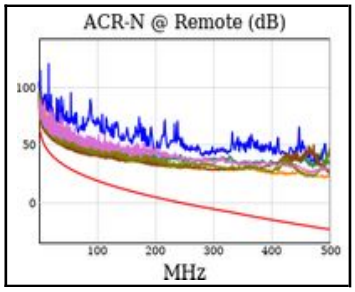


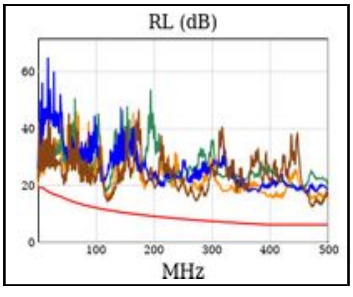


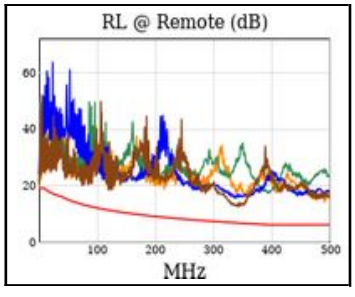












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.5	4.7	7.6	7.7
Freq. (MHz)	109.0	227.0	461.0	461.0
Limit (dB)	39.3	33.8	27.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.6	4.0	8.4	9.3
Freq. (MHz)	112.0	245.0	468.0	461.0
Limit (dB)	36.2	30.3	24.0	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	11.0	10.8	12.1	11.9
Freq. (MHz)	245.0	249.5	500.0	500.0
Limit (dB)	15.5	15.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	11.5	11.9	13.6	13.4
Freq. (MHz)	257.0	256.0	500.0	500.0
Limit (dB)	12.1	12.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	7.7	7.5	42.6	43.7
Freq. (MHz)	3.1	3.1	468.0	491.0
Limit (dB)	61.1	61.1	-20.7	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	7.4	42.5	44.0
Freq. (MHz)	3.3	3.3	468.0	475.0
Limit (dB)	58.2	58.2	-23.6	-24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	2.9	5.6	6.1	5.6
Freq. (MHz)	120.5	344.0	473.0	344.0
Limit (dB)	11.2	6.6	6.0	6.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 2-B

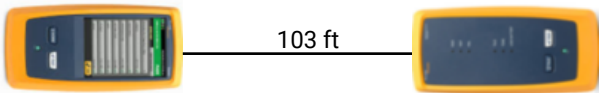
Test Summary: PASS

Date / Time: 12/18/2022 01:36:58 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

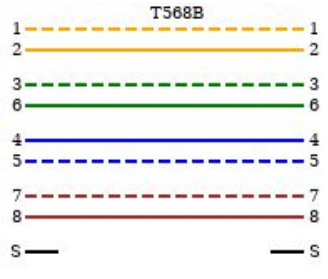
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

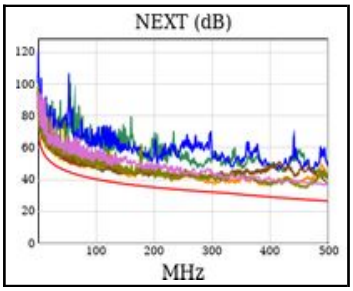
Length (ft), Limit 328	[Pair 1,2]	103
Prop. Delay (ns), Limit 555	[Pair 4,5]	164
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	5.5
Insertion Loss Margin (dB)	[Pair 3,6]	34.6
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

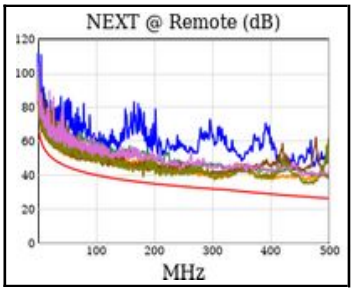


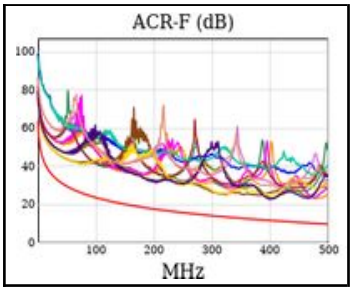
PASS

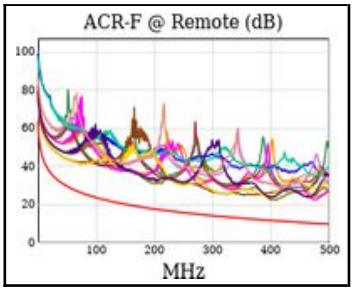


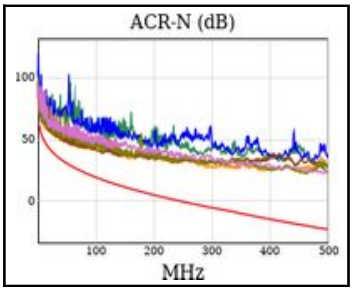


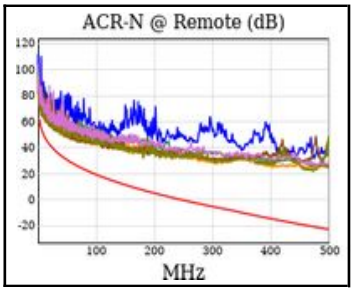


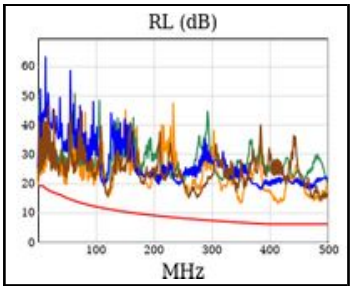


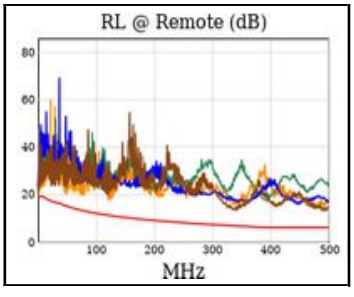












PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	4.6	3.3	6.9	7.6
Freq. (MHz)	158.0	182.0	463.0	474.0
Limit (dB)	36.5	35.5	27.0	26.7
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	4.4	4.9	8.0	8.5
Freq. (MHz)	158.0	182.0	463.0	463.0
Limit (dB)	33.6	32.6	24.1	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	11.1	10.7	11.1	10.7
Freq. (MHz)	401.0	407.0	401.0	407.0
Limit (dB)	11.2	11.1	11.2	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.1	12.0	13.1	12.9
Freq. (MHz)	397.0	411.0	474.0	474.0
Limit (dB)	8.3	8.0	6.7	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	8.1	8.0	41.6	42.1
Freq. (MHz)	3.3	3.1	463.0	474.0
Limit (dB)	60.7	61.1	-20.3	-21.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.3	8.5	45.4	43.1
Freq. (MHz)	3.3	3.3	500.0	474.0
Limit (dB)	58.2	58.2	-26.1	-24.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	3.7	4.9	6.8	6.8
Freq. (MHz)	121.5	50.3	415.0	496.0
Limit (dB)	11.2	15.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 5-A

Test Summary: PASS

Date / Time: 12/18/2022 01:58:23 PM
Headroom: 1.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	80
Prop. Delay (ns), Limit 555	[Pair 4,5]	126
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	36.8
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-7,8
NEXT (dB)	1.5	1.5	8.3	8.6
Freq. (MHz)	193.5	193.0	495.0	462.0
Limit (dB)	35.0	35.0	26.2	27.0
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	2.7	2.6	8.8	8.2
Freq. (MHz)	193.0	193.0	499.0	463.0
Limit (dB)	32.1	32.1	23.3	24.1

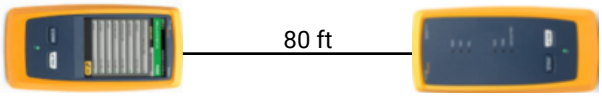
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	3,6-4,5
ACR-F (dB)	10.6	10.6	11.9	11.6
Freq. (MHz)	370.0	378.0	464.0	468.0
Limit (dB)	11.9	11.7	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.9	12.2	12.1	12.2
Freq. (MHz)	323.0	489.0	489.0	489.0
Limit (dB)	10.1	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	1,2-3,6
ACR-N (dB)	8.6	9.3	46.0	48.3
Freq. (MHz)	4.0	4.1	495.0	497.0
Limit (dB)	58.9	58.6	-22.8	-23.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	8.3	9.1	47.1	44.8
Freq. (MHz)	4.0	4.1	499.0	463.0
Limit (dB)	56.4	56.1	-26.0	-23.2

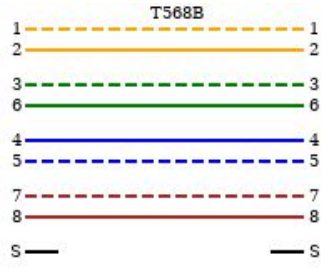
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	4.8	4.0	6.5	6.4
Freq. (MHz)	52.3	52.5	487.0	494.0
Limit (dB)	14.8	14.8	6.0	6.0

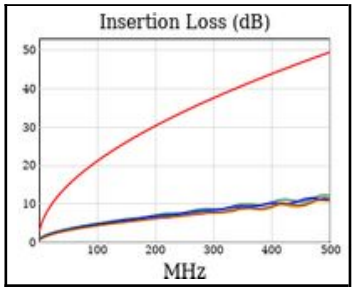
Compliant Network Standards:

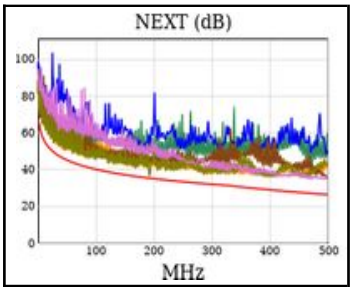
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

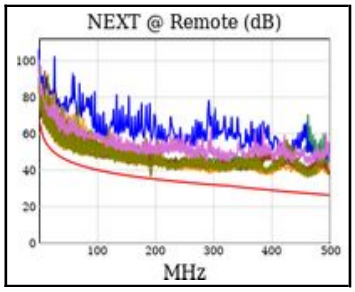


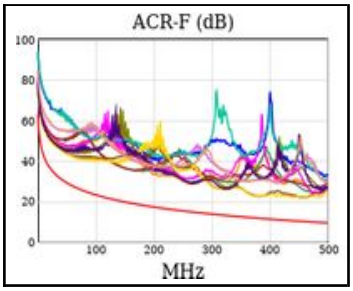
PASS

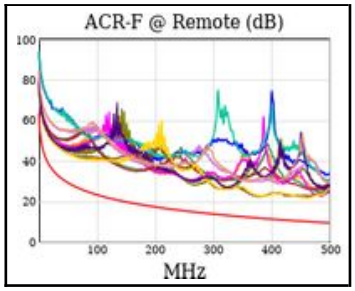


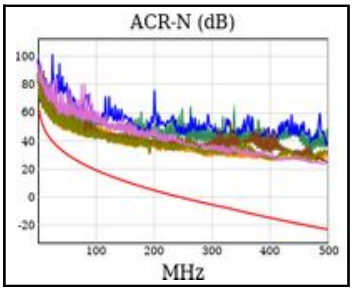


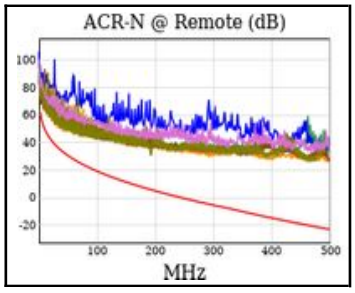


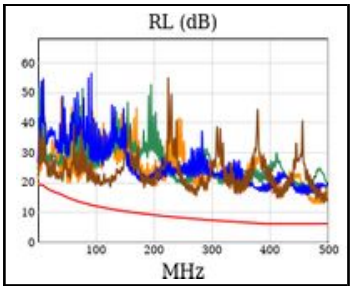


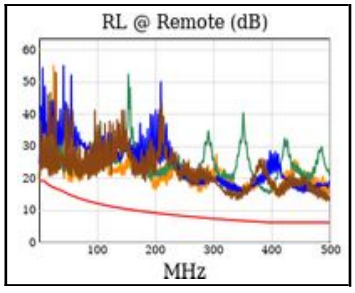












FLUKE networks

LinkWare Live

Cable ID: 5-B

Test Summary: PASS

Date / Time: 12/18/2022 01:59:22 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	78
Prop. Delay (ns), Limit 555	[Pair 4,5]	125
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	11.1
Insertion Loss Margin (dB)	[Pair 3,6]	36.7
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-7,8	3,6-4,5
NEXT (dB)	3.8	4.0	5.7	8.1
Freq. (MHz)	23.9	168.0	401.0	460.0
Limit (dB)	50.4	36.1	28.7	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.8	4.8	8.1	8.1
Freq. (MHz)	167.0	167.5	463.0	464.0
Limit (dB)	33.2	33.2	24.1	24.1

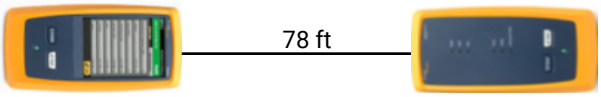
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.1	10.3	11.9
Freq. (MHz)	391.0	371.0	396.0	470.0
Limit (dB)	11.4	11.9	11.3	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	11.3	12.7	12.4
Freq. (MHz)	9.1	1.4	470.0	473.0
Limit (dB)	41.1	57.5	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.0	9.5	47.2	44.2
Freq. (MHz)	9.3	9.4	497.0	460.0
Limit (dB)	50.9	50.8	-23.0	-20.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	8.3	44.7	45.1
Freq. (MHz)	4.5	4.5	463.0	469.0
Limit (dB)	55.3	55.3	-23.2	-23.6

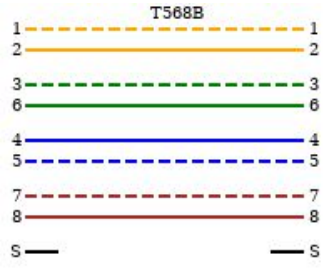
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	5.5	4.8	7.2	7.0
Freq. (MHz)	53.0	51.8	476.0	480.0
Limit (dB)	14.8	14.9	6.0	6.0

Compliant Network Standards:

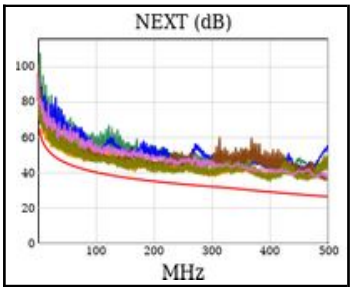
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

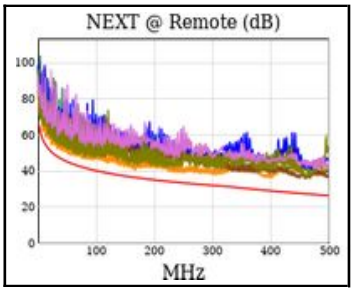


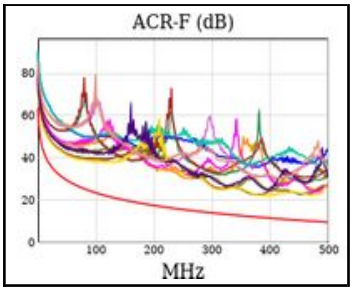
PASS

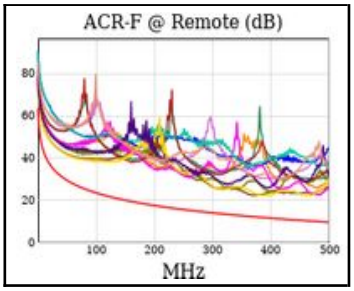


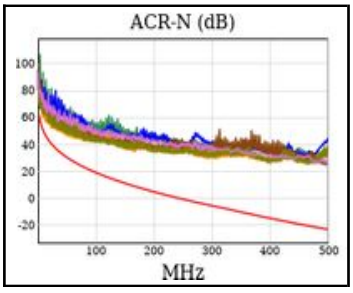


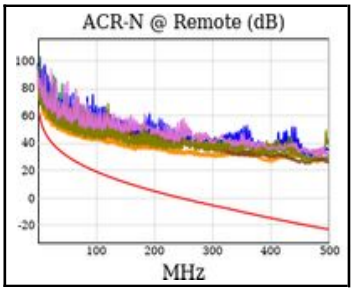


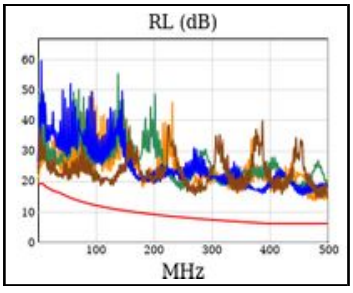


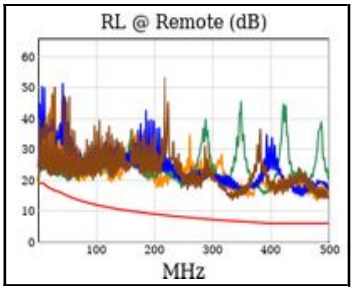












FLUKE networks

LinkWare Live

Cable ID: 248-B

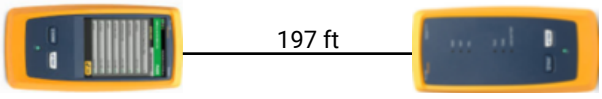
Test Summary: PASS

Date / Time: 11/19/2022 06:50:11 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

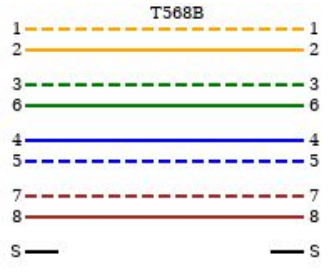
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

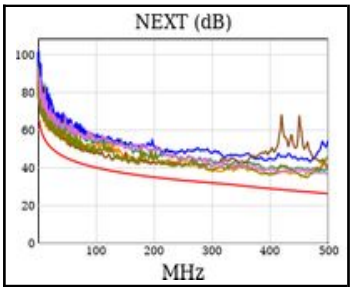
Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	309
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	8.8
Insertion Loss Margin (dB)	[Pair 3,6]	23.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

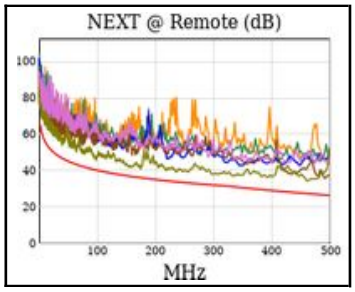


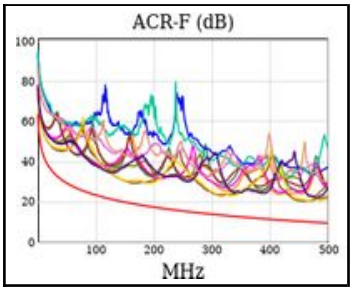
PASS

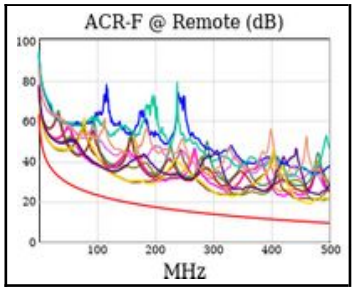


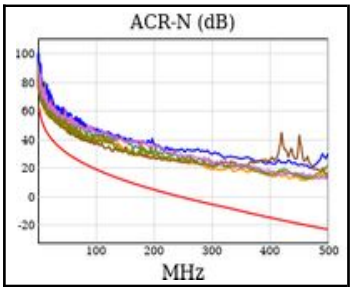


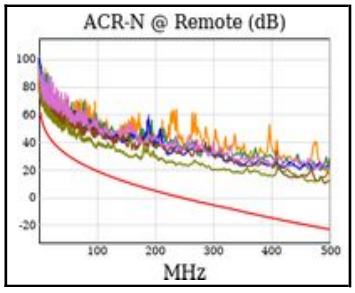


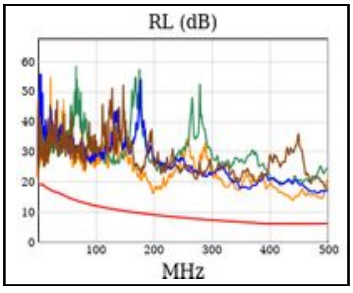


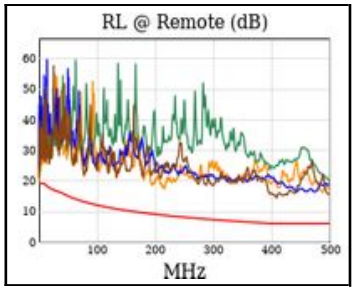












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.6	4.6	7.5	7.2
Freq. (MHz)	170.0	175.5	464.0	463.0
Limit (dB)	36.0	35.8	27.0	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	7.1	7.7	9.4
Freq. (MHz)	170.0	161.0	460.0	481.0
Limit (dB)	33.1	33.5	24.2	23.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.8	9.1	10.2	9.1
Freq. (MHz)	316.0	466.0	464.0	466.0
Limit (dB)	13.3	9.9	9.9	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	10.0	10.7	10.9
Freq. (MHz)	335.0	338.0	468.0	471.0
Limit (dB)	9.8	9.7	6.9	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.7	9.9	31.2	32.7
Freq. (MHz)	5.1	5.1	460.0	492.0
Limit (dB)	56.6	56.6	-20.0	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.0	10.0	34.0	32.7
Freq. (MHz)	5.0	5.1	500.0	492.0
Limit (dB)	54.3	54.1	-26.1	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	6.2	7.0	7.7	8.3
Freq. (MHz)	11.0	13.0	441.0	409.0
Limit (dB)	18.8	18.4	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 251-A

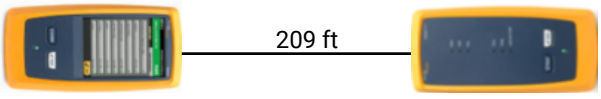
Test Summary: PASS

Date / Time: 11/19/2022 07:46:58 PM
Headroom: 5.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

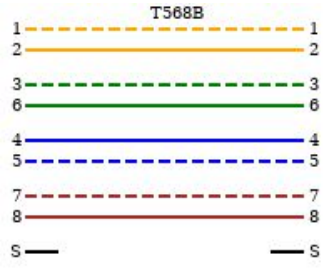
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	331
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	21.7
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	5.7	5.4	5.8	7.8
Freq. (MHz)	148.5	155.5	398.0	500.0
Limit (dB)	37.0	36.7	28.8	26.1
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.3	7.7	7.6	9.5
Freq. (MHz)	399.0	155.5	461.0	496.0
Limit (dB)	25.8	33.8	24.2	23.3

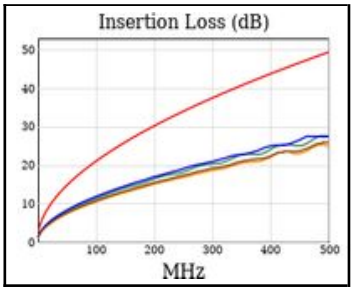
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	9.3	9.0	10.4	10.2
Freq. (MHz)	103.5	103.5	479.0	474.0
Limit (dB)	23.0	23.0	9.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.0	9.0	11.5	11.7
Freq. (MHz)	5.3	5.0	471.0	472.0
Limit (dB)	45.9	46.3	6.8	6.8

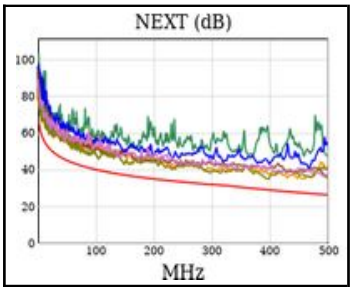
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	9.1	9.6	31.3	29.7
Freq. (MHz)	6.5	6.5	500.0	500.0
Limit (dB)	54.4	54.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	10.5	29.4	31.5
Freq. (MHz)	3.1	3.3	472.0	500.0
Limit (dB)	58.3	58.2	-23.9	-26.1

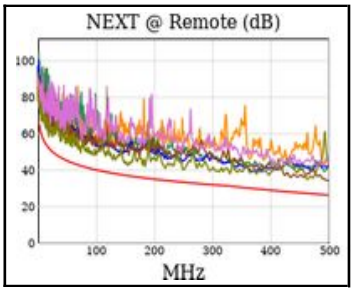
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	3,6
RL (dB)	3.8	3.9	5.8	8.4
Freq. (MHz)	12.3	12.3	434.0	500.0
Limit (dB)	18.6	18.6	6.0	6.0

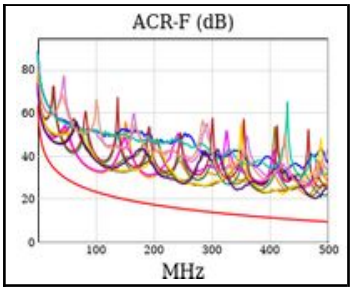
Compliant Network Standards:

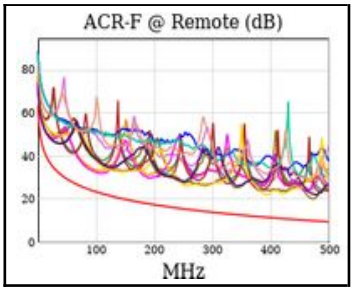
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

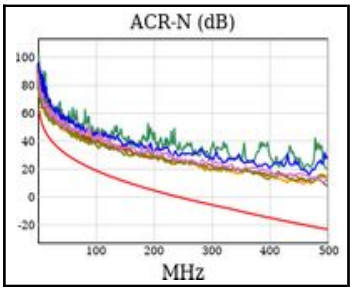


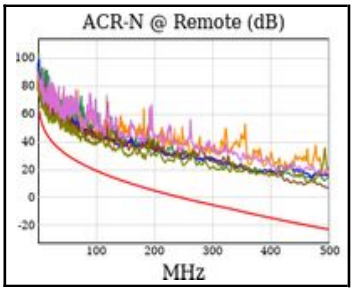


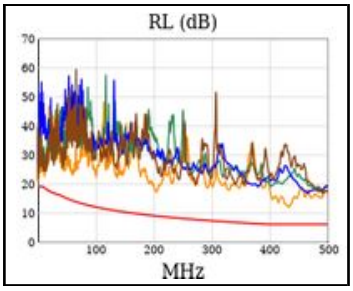


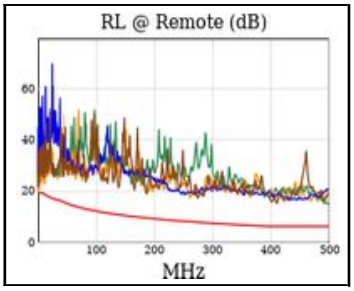












FLUKE networks

LinkWare Live

Cable ID: 251-B

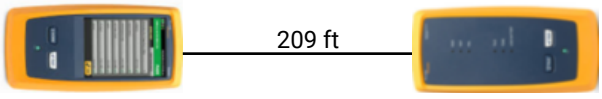
Test Summary: PASS

Date / Time: 11/19/2022 07:49:39 PM
Headroom: 5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C216

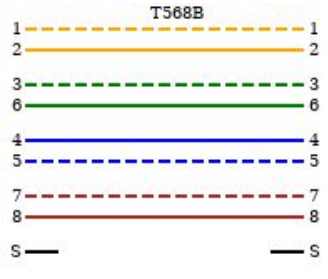
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	331
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	9.5
Insertion Loss Margin (dB)	[Pair 4,5]	20.0
Frequency (MHz)	[Pair 4,5]	471.0
Limit (dB)	[Pair 4,5]	47.7



PASS

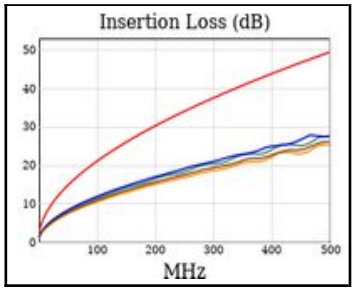


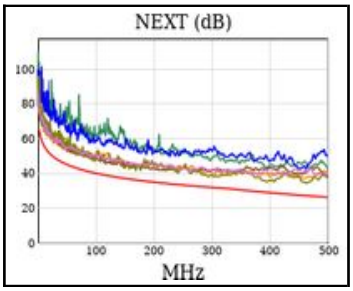
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.0	5.1	7.1	6.3
Freq. (MHz)	170.0	170.0	463.0	469.0
Limit (dB)	36.0	36.0	27.0	26.9
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	5.2	7.8	7.6	7.9
Freq. (MHz)	150.0	170.0	463.0	468.0
Limit (dB)	34.0	33.1	24.1	24.0

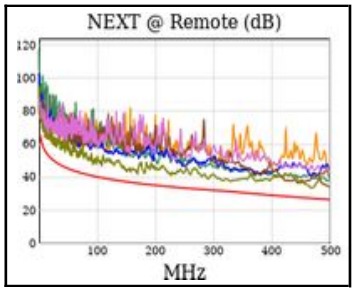
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.7	10.6	10.8
Freq. (MHz)	431.0	431.0	435.0	432.0
Limit (dB)	10.6	10.6	10.5	10.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.6	11.0	11.8
Freq. (MHz)	5.3	5.3	410.0	410.0
Limit (dB)	45.9	45.9	8.0	8.0

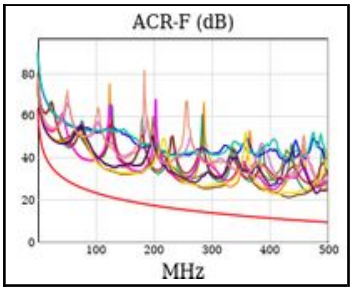
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.4	10.9	29.9	29.5
Freq. (MHz)	3.0	3.0	463.0	500.0
Limit (dB)	61.4	61.4	-20.3	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	11.1	29.5	30.7
Freq. (MHz)	4.6	3.3	463.0	500.0
Limit (dB)	55.1	58.2	-23.2	-26.1

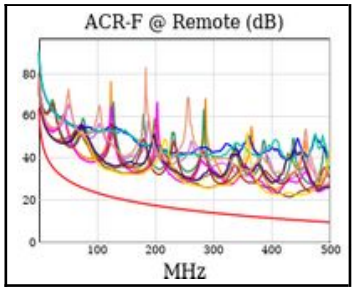
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.5	5.1	7.3	8.8
Freq. (MHz)	10.5	12.3	436.0	483.0
Limit (dB)	18.9	18.6	6.0	6.0

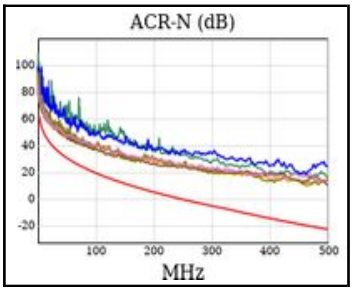


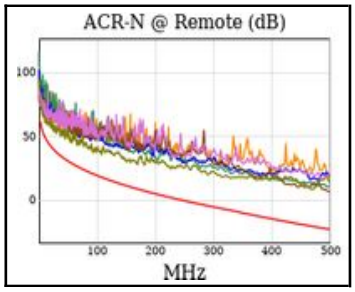


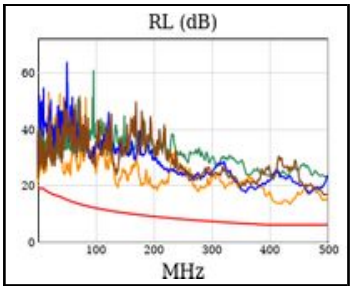


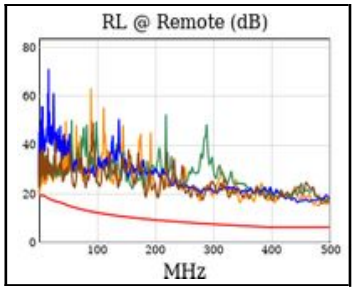












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 26-A

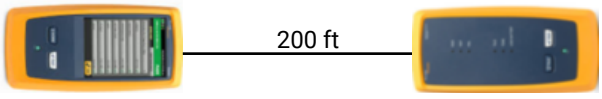
Test Summary: PASS

Date / Time: 12/18/2022 11:31:31 AM
Headroom: 2.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

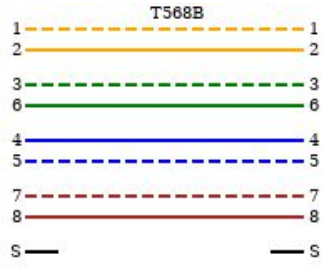
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

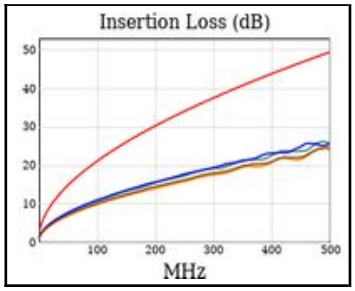
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

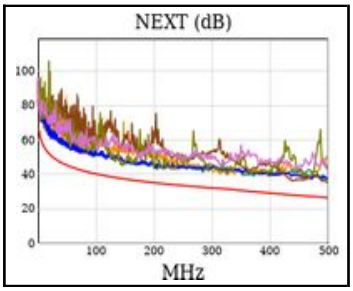
Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 4,5]	317
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	10.0
Insertion Loss Margin (dB)	[Pair 3,6]	22.7
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

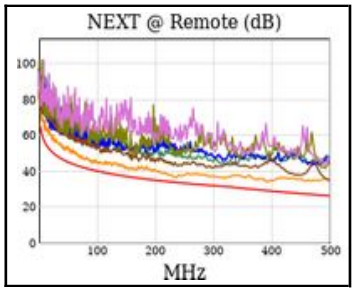


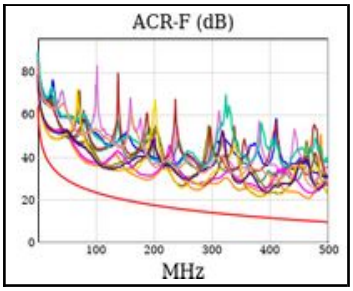
PASS

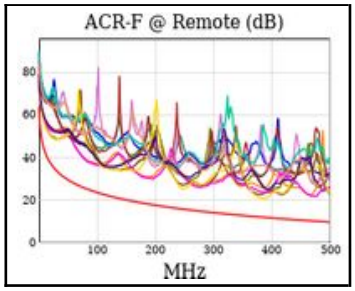


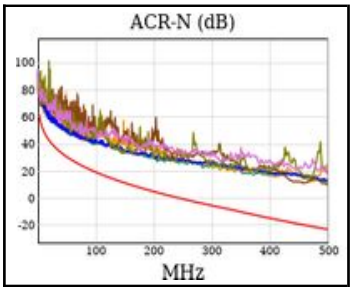


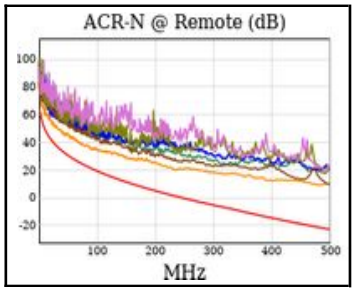


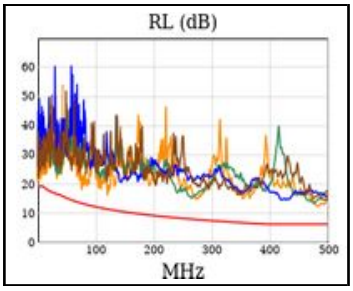


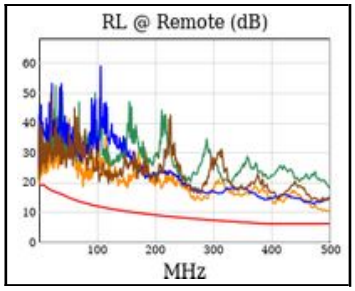












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.6	2.7	8.8	4.8
Freq. (MHz)	146.5	237.0	500.0	392.0
Limit (dB)	37.1	33.5	26.1	29.0
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	8.3	4.7	9.0	8.6
Freq. (MHz)	354.0	237.0	498.0	500.0
Limit (dB)	27.2	30.6	23.3	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.7	8.8	10.6	8.8
Freq. (MHz)	384.0	388.0	468.0	388.0
Limit (dB)	11.6	11.5	9.9	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.5	10.4	9.5	10.5
Freq. (MHz)	388.0	392.0	388.0	395.0
Limit (dB)	8.5	8.4	8.5	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.6	8.9	32.7	30.6
Freq. (MHz)	5.0	5.0	500.0	485.0
Limit (dB)	56.9	56.9	-23.2	-22.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.7	10.3	32.9	31.5
Freq. (MHz)	5.0	4.9	498.0	494.0
Limit (dB)	54.3	54.6	-25.9	-25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.4	4.2	6.0	4.2
Freq. (MHz)	76.5	496.0	484.0	496.0
Limit (dB)	13.2	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 26-B

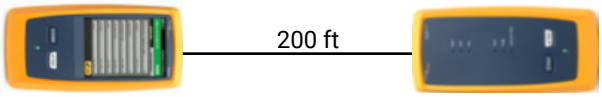
Test Summary: PASS

Date / Time: 12/18/2022 11:39:11 AM
Headroom: 1.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

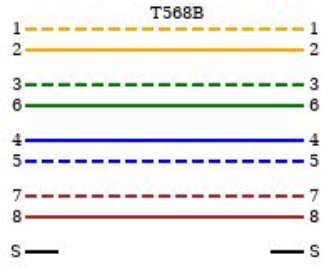
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

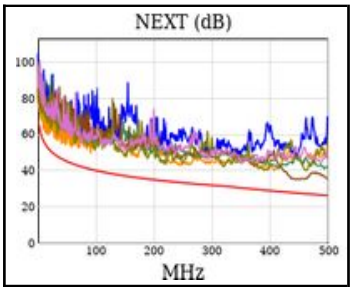
Length (ft), Limit 328	[Pair 1,2]	200
Prop. Delay (ns), Limit 555	[Pair 4,5]	317
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	9.7
Insertion Loss Margin (dB)	[Pair 3,6]	22.6
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

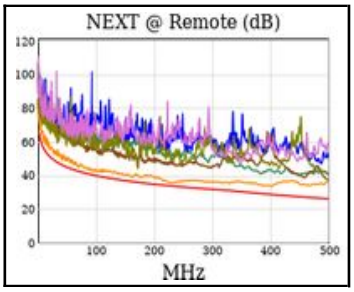


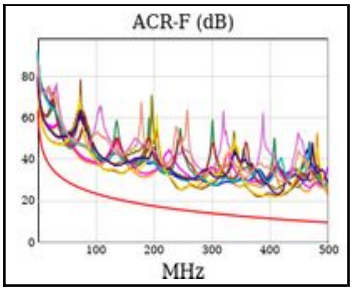
PASS

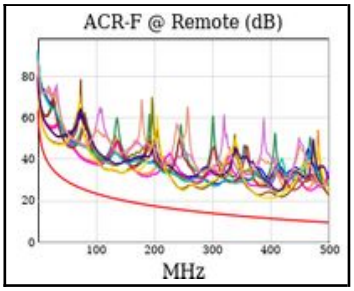


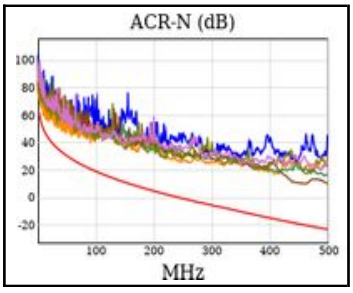


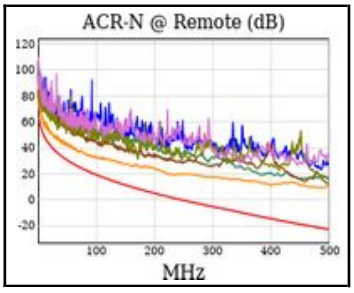


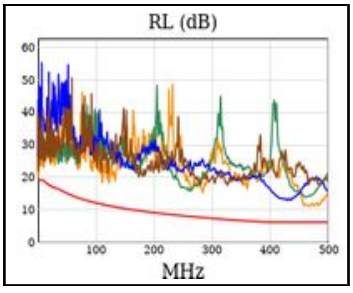


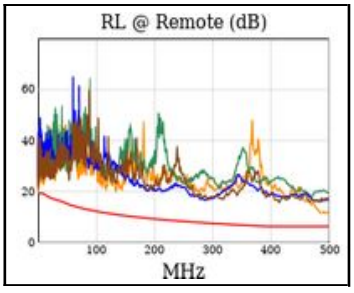












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.3	1.8	7.4	4.6
Freq. (MHz)	13.9	228.0	446.0	402.0
Limit (dB)	54.2	33.8	27.4	28.7
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	8.2	4.3	9.5	7.2
Freq. (MHz)	13.8	228.0	460.0	402.0
Limit (dB)	51.7	30.9	24.2	25.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.4	10.1	9.8
Freq. (MHz)	248.5	251.0	406.0	406.0
Limit (dB)	15.4	15.3	11.1	11.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.1	10.9	11.7
Freq. (MHz)	249.5	275.0	420.0	419.0
Limit (dB)	12.3	11.5	7.8	7.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	9.6	7.1	30.1	31.2
Freq. (MHz)	10.1	10.3	463.0	492.0
Limit (dB)	50.0	49.8	-20.3	-22.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.9	9.3	34.9	32.4
Freq. (MHz)	3.4	10.3	498.0	493.0
Limit (dB)	57.9	47.3	-25.9	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.0	3.7	4.8	5.2
Freq. (MHz)	11.0	10.9	469.0	497.0
Limit (dB)	18.8	18.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 6-A

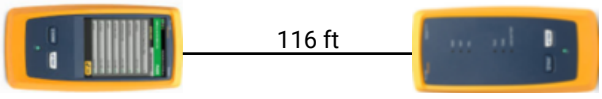
Test Summary: PASS

Date / Time: 12/18/2022 11:29:30 AM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

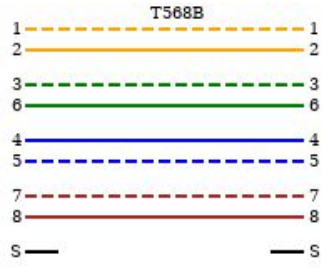
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

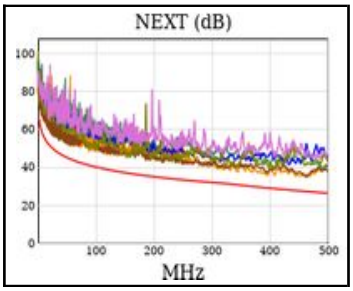
Length (ft), Limit 328	[Pair 1,2]	116
Prop. Delay (ns), Limit 555	[Pair 4,5]	183
Delay Skew (ns), Limit 50	[Pair 4,5]	10
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.4
Frequency (MHz)	[Pair 3,6]	489.0
Limit (dB)	[Pair 3,6]	48.7

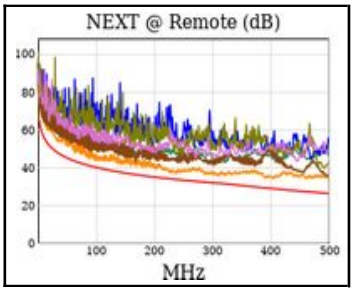


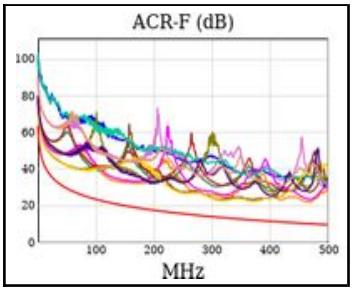
PASS

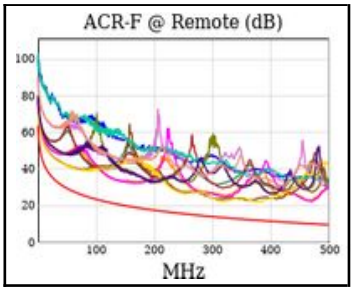


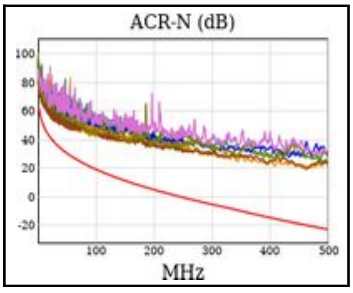


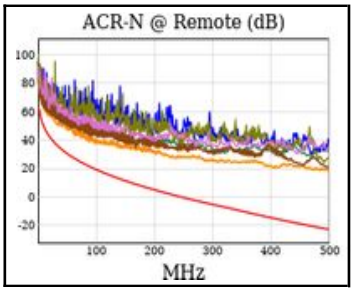


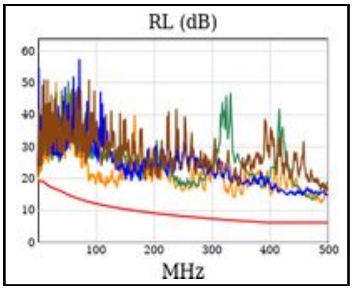


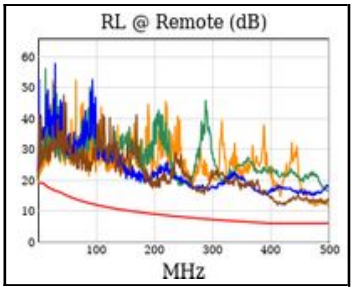












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.4	3.1	7.2	6.5
Freq. (MHz)	396.0	230.0	464.0	461.0
Limit (dB)	28.9	33.7	27.0	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.3	5.0	7.0	8.0
Freq. (MHz)	343.0	89.3	464.0	499.0
Limit (dB)	27.6	37.9	24.1	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.0	8.7	11.8	10.1
Freq. (MHz)	315.0	318.0	471.0	382.0
Limit (dB)	13.3	13.2	9.8	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	10.6	12.0	13.6
Freq. (MHz)	319.0	315.0	418.0	473.0
Limit (dB)	10.2	10.3	7.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	10.3	39.1	39.9
Freq. (MHz)	4.0	4.3	464.0	486.0
Limit (dB)	58.9	58.3	-20.4	-22.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	11.0	39.5	41.0
Freq. (MHz)	4.0	4.9	464.0	496.0
Limit (dB)	56.4	54.6	-23.2	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	5.8	5.4	6.0	5.4
Freq. (MHz)	117.0	500.0	490.0	500.0
Limit (dB)	11.3	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 6-B

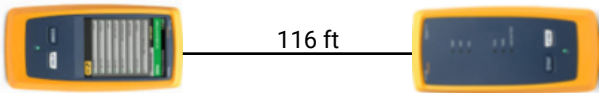
Test Summary: PASS

Date / Time: 12/18/2022 11:29:50 AM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

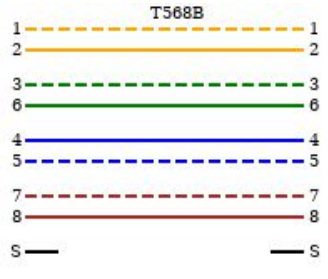
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

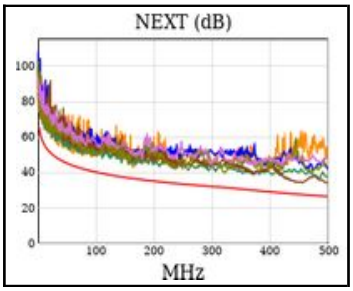
Length (ft), Limit 328	[Pair 7,8]	116
Prop. Delay (ns), Limit 555	[Pair 4,5]	181
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	6.4
Insertion Loss Margin (dB)	[Pair 3,6]	32.1
Frequency (MHz)	[Pair 3,6]	491.0
Limit (dB)	[Pair 3,6]	48.8

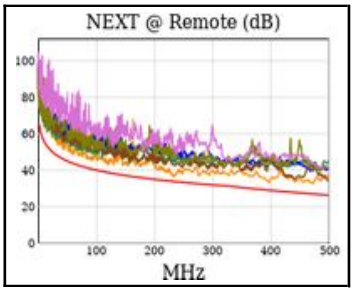


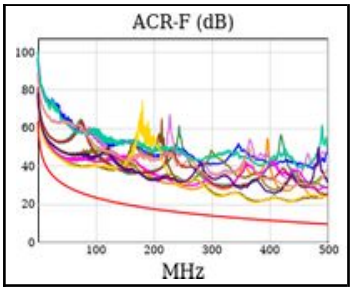
PASS

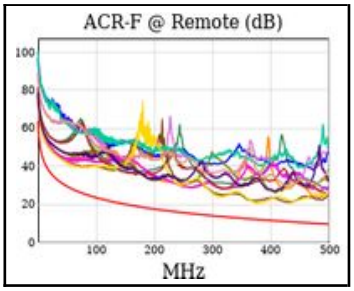


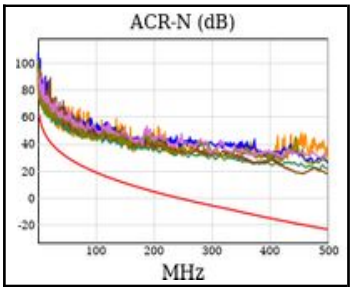


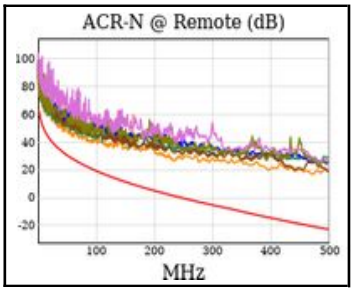


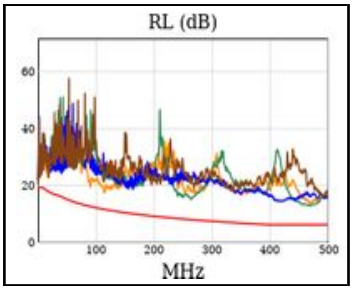


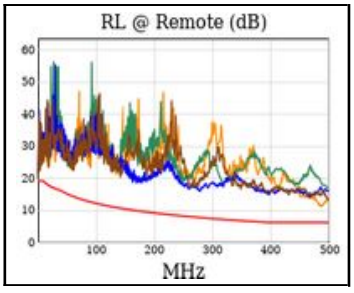












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.3	2.6	7.4	5.6
Freq. (MHz)	165.0	234.0	497.0	474.0
Limit (dB)	36.2	33.6	26.2	26.7
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	6.7	4.5	8.8	6.4
Freq. (MHz)	165.0	234.0	500.0	443.0
Limit (dB)	33.3	30.7	23.2	24.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	8.9	8.6	9.0	8.6
Freq. (MHz)	375.0	378.0	378.0	378.0
Limit (dB)	11.8	11.7	11.7	11.7
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	11.3	11.3	11.9	12.3
Freq. (MHz)	7.5	378.0	429.0	429.0
Limit (dB)	42.8	8.7	7.6	7.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	10.9	11.3	37.3	37.3
Freq. (MHz)	2.9	3.0	457.0	474.0
Limit (dB)	61.4	61.4	-19.8	-21.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	9.9	10.0	42.3	40.8
Freq. (MHz)	3.1	3.1	500.0	500.0
Limit (dB)	58.3	58.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	5.8	4.8	6.5	4.8
Freq. (MHz)	116.0	487.0	470.0	487.0
Limit (dB)	11.4	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 8-A

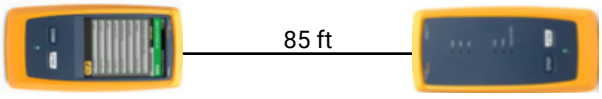
Test Summary: PASS

Date / Time: 12/18/2022 11:27:02 AM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

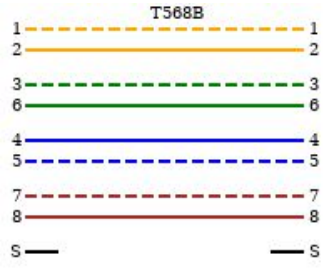
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	85
Prop. Delay (ns), Limit 555	[Pair 4,5]	135
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	16.5
Insertion Loss Margin (dB)	[Pair 3,6]	36.2
Frequency (MHz)	[Pair 3,6]	492.0
Limit (dB)	[Pair 3,6]	48.9



PASS

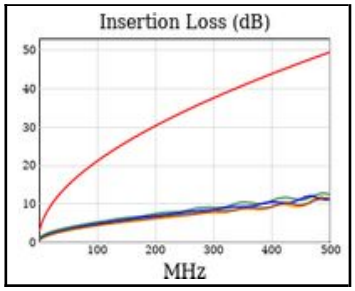


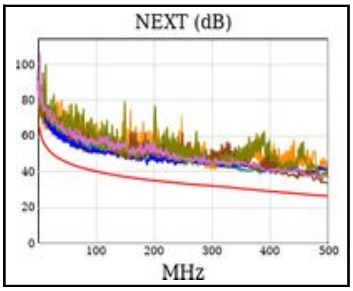
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.2	3.8	7.2	5.9
Freq. (MHz)	498.0	237.0	498.0	458.0
Limit (dB)	26.1	33.5	26.1	27.1
Worst Pair	4,5	1,2	4,5	3,6
PS NEXT (dB)	7.4	6.1	7.6	7.7
Freq. (MHz)	488.0	237.0	500.0	458.0
Limit (dB)	23.5	30.6	23.2	24.2

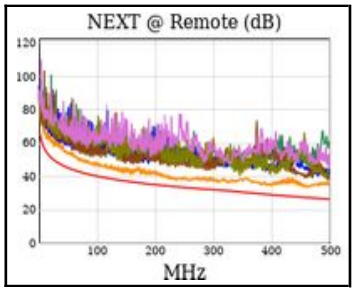
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.3	10.6	10.4
Freq. (MHz)	369.0	377.0	416.0	381.0
Limit (dB)	11.9	11.7	10.9	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.7	10.5	10.7
Freq. (MHz)	397.0	402.0	402.0	402.0
Limit (dB)	8.3	8.2	8.2	8.2

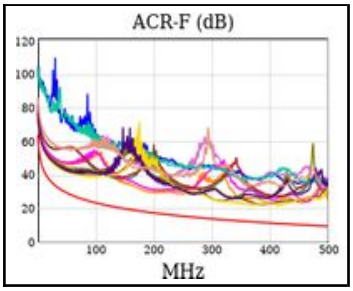
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	11.3	11.5	45.4	43.1
Freq. (MHz)	4.4	4.3	498.0	481.0
Limit (dB)	58.1	58.3	-23.1	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	11.7	44.1	46.5
Freq. (MHz)	4.0	4.3	491.0	499.0
Limit (dB)	56.4	55.8	-25.4	-26.0

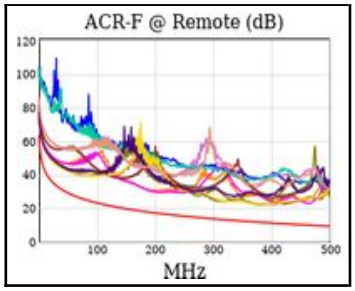
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	3.9	3.9	3.9	4.0
Freq. (MHz)	487.0	40.3	487.0	487.0
Limit (dB)	6.0	16.0	6.0	6.0

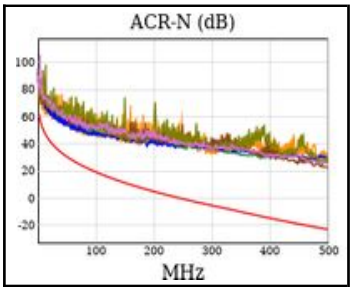


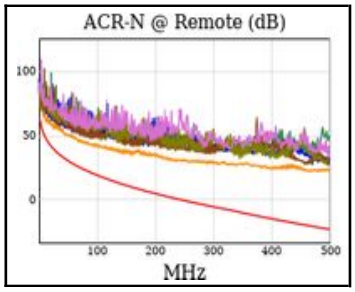


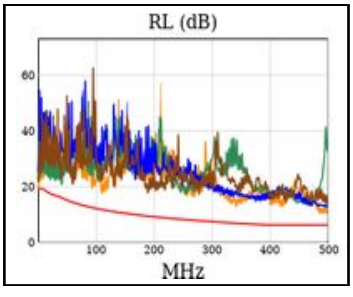


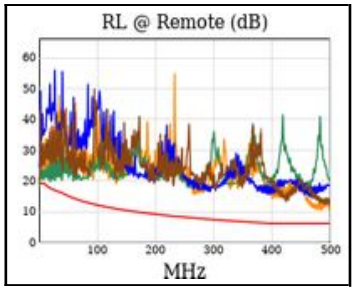












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 256-1-A

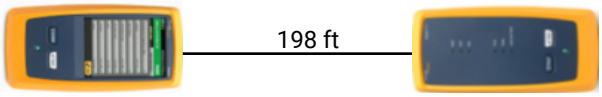
Test Summary: PASS

Date / Time: 12/10/2022 06:00:27 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

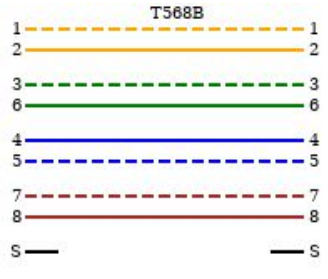
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

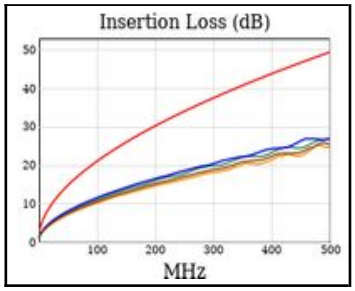
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

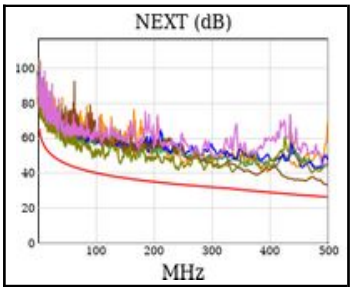
Length (ft), Limit 328	[Pair 1,2]	198
Prop. Delay (ns), Limit 555	[Pair 4,5]	315
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 4,5]	9.0
Insertion Loss Margin (dB)	[Pair 4,5]	22.4
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

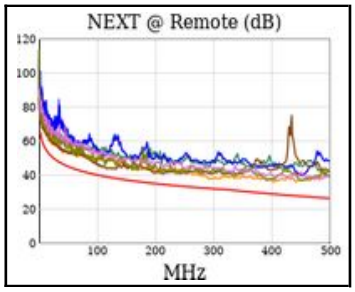


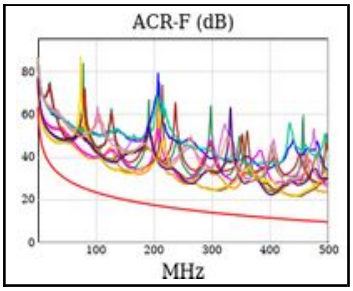
PASS

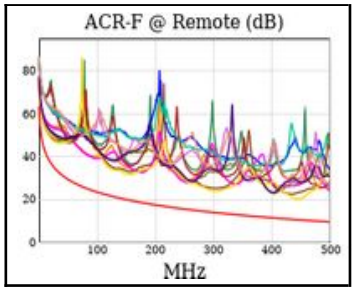


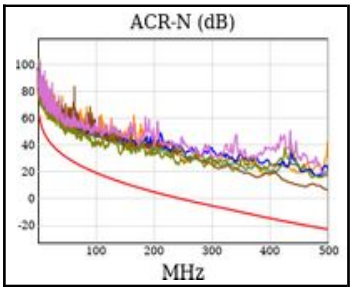


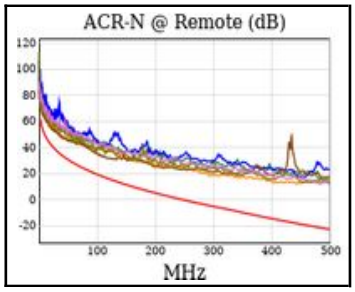


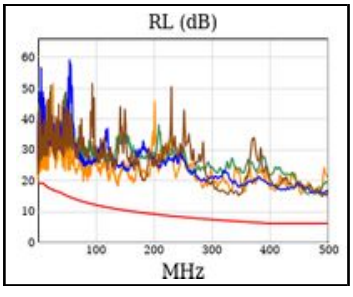


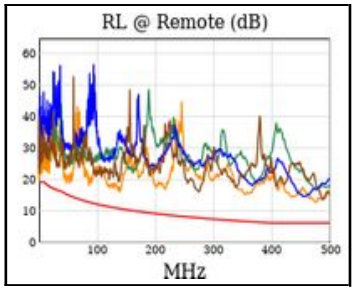












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	6.9	4.8	6.9	8.3
Freq. (MHz)	500.0	118.5	500.0	443.0
Limit (dB)	26.1	38.7	26.1	27.5
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	9.1	4.9	9.2	7.5
Freq. (MHz)	499.0	116.5	500.0	406.0
Limit (dB)	23.3	35.9	23.2	25.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.5	9.6	10.8	9.6
Freq. (MHz)	303.0	446.0	438.0	446.0
Limit (dB)	13.6	10.3	10.4	10.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	10.8	10.8	10.8	11.9
Freq. (MHz)	411.0	5.3	411.0	446.0
Limit (dB)	8.0	45.9	8.0	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	11.1	8.4	29.3	30.0
Freq. (MHz)	3.1	3.0	500.0	443.0
Limit (dB)	61.1	61.4	-23.2	-18.6
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	11.9	9.7	31.6	34.2
Freq. (MHz)	3.3	3.3	500.0	497.0
Limit (dB)	58.2	58.2	-26.1	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	4.7	3.4	8.7	6.5
Freq. (MHz)	11.0	47.8	491.0	477.0
Limit (dB)	18.8	15.2	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 256-1-B

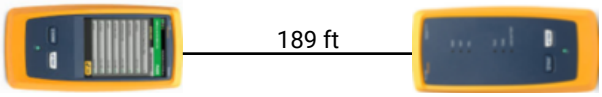
Test Summary: PASS

Date / Time: 12/10/2022 06:00:58 PM
Headroom: 5.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

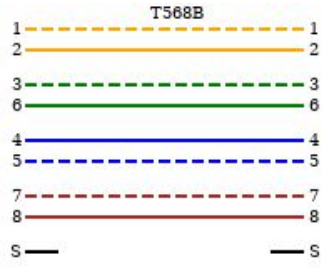
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	189
Prop. Delay (ns), Limit 555	[Pair 4,5]	299
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.6
Insertion Loss Margin (dB)	[Pair 4,5]	21.8
Frequency (MHz)	[Pair 4,5]	469.0
Limit (dB)	[Pair 4,5]	47.6



PASS

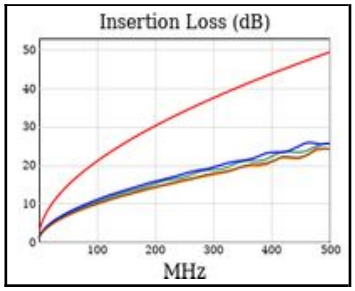


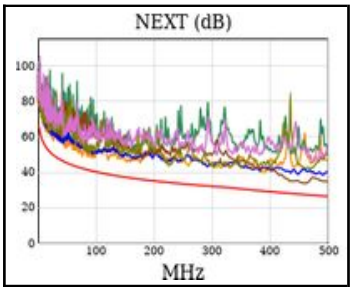
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	6.2	5.5	6.2	9.5
Freq. (MHz)	461.0	113.5	461.0	486.0
Limit (dB)	27.1	39.0	27.1	26.4
Worst Pair	1,2	3,6	3,6	7,8
PS NEXT (dB)	8.1	5.5	8.7	8.8
Freq. (MHz)	93.8	163.0	462.0	466.0
Limit (dB)	37.6	33.4	24.1	24.0

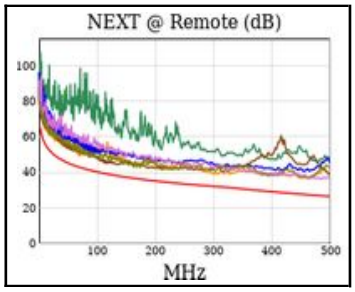
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.1	10.5	11.2	10.5
Freq. (MHz)	431.0	445.0	436.0	445.0
Limit (dB)	10.6	10.3	10.5	10.3
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	12.0	11.8	12.1	11.8
Freq. (MHz)	422.0	442.0	423.0	442.0
Limit (dB)	7.8	7.3	7.7	7.3

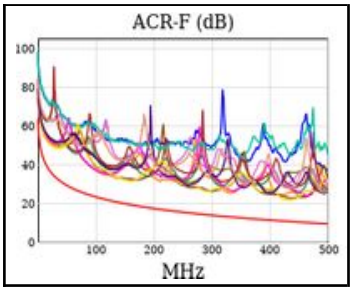
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	4,5-7,8
ACR-N (dB)	12.6	10.2	27.7	33.8
Freq. (MHz)	10.9	3.1	461.0	486.0
Limit (dB)	49.2	61.1	-20.1	-22.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	12.4	10.2	30.5	34.5
Freq. (MHz)	3.6	5.0	461.0	500.0
Limit (dB)	57.3	54.3	-23.0	-26.1

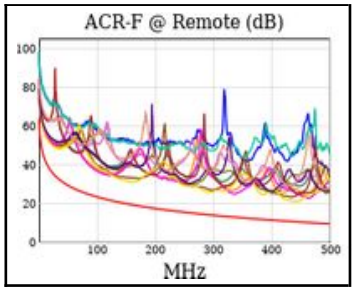
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.6	5.5	7.5	7.9
Freq. (MHz)	15.3	10.1	477.0	469.0
Limit (dB)	18.1	19.0	6.0	6.0

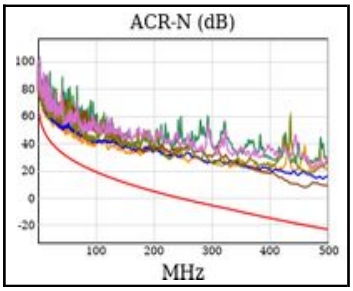


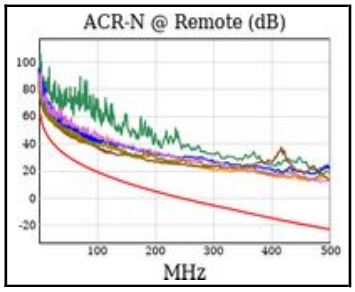


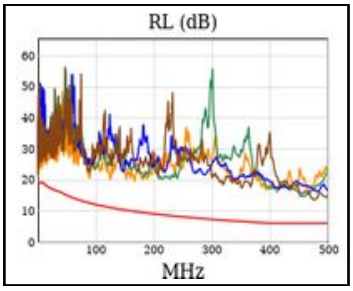


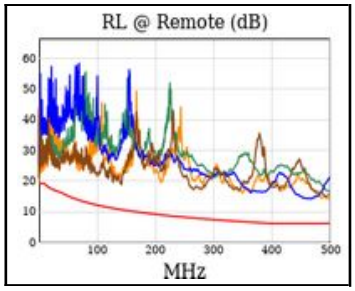












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 256-2-A

Test Summary: PASS

Date / Time: 12/10/2022 05:56:07 PM
Headroom: 4.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	226
Prop. Delay (ns), Limit 555	[Pair 4,5]	357
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 4,5]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.5
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	4.6	5.0	8.5
Freq. (MHz)	500.0	151.0	500.0	462.0
Limit (dB)	26.1	36.9	26.1	27.0
Worst Pair	4,5	3,6	4,5	3,6
PS NEXT (dB)	7.0	4.8	7.0	8.1
Freq. (MHz)	497.0	155.5	497.0	462.0
Limit (dB)	23.3	33.8	23.3	24.1

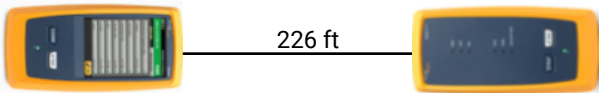
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.0	10.5	11.0	11.1
Freq. (MHz)	398.0	385.0	416.0	416.0
Limit (dB)	11.3	11.5	10.9	10.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.0	11.0	10.0	11.8
Freq. (MHz)	417.0	2.0	417.0	414.0
Limit (dB)	7.9	54.2	7.9	7.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.4	8.9	24.2	27.4
Freq. (MHz)	2.8	4.1	500.0	462.0
Limit (dB)	61.5	58.6	-23.2	-20.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.4	9.4	26.4	27.0
Freq. (MHz)	4.4	2.9	500.0	462.0
Limit (dB)	55.6	58.4	-26.1	-23.1

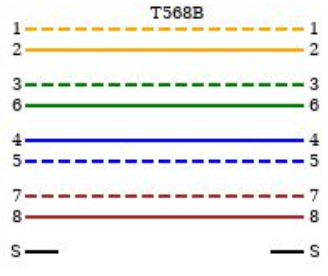
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.6	2.9	8.0	6.5
Freq. (MHz)	8.3	125.5	492.0	489.0
Limit (dB)	19.0	11.0	6.0	6.0

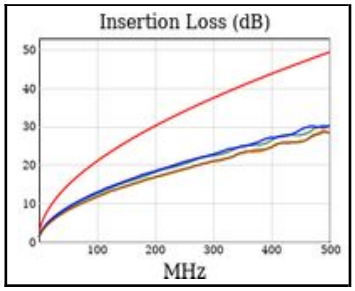
Compliant Network Standards:

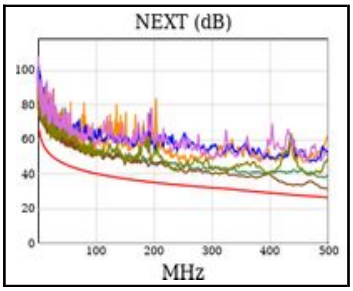
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

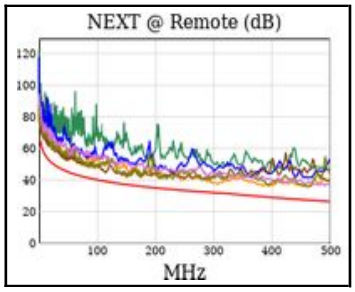


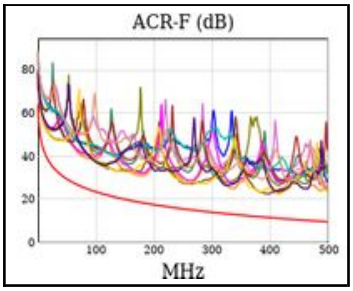
PASS

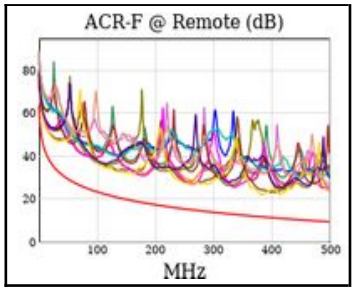


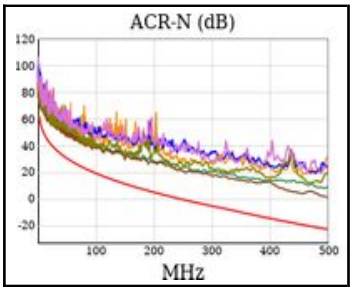


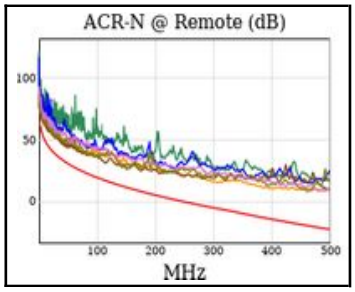


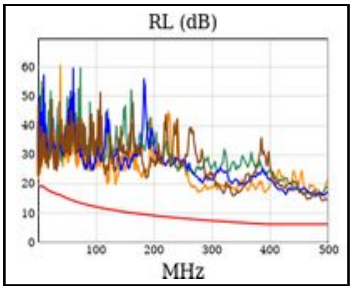


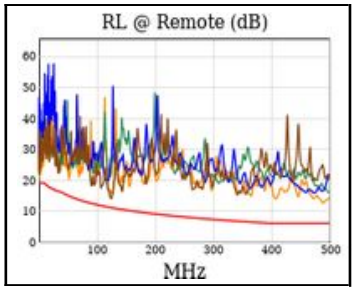












FLUKE networks

LinkWare Live

Cable ID: 256-2-B

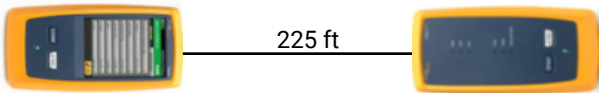
Test Summary: PASS

Date / Time: 12/10/2022 05:58:48 PM
Headroom: 5.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

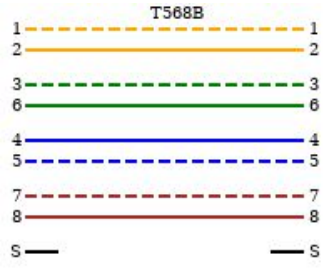
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	225
Prop. Delay (ns), Limit 555	[Pair 4,5]	356
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 4,5]	10.2
Insertion Loss Margin (dB)	[Pair 3,6]	19.2
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3



PASS

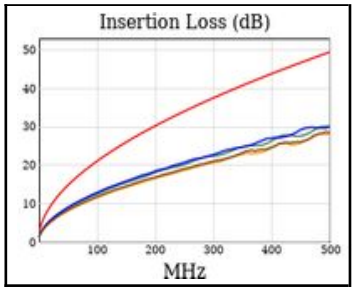


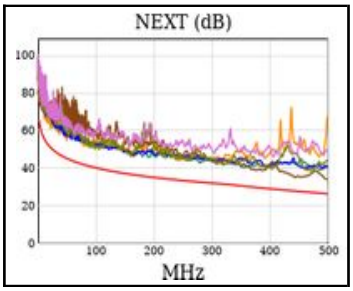
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	7.3	5.1	7.6	5.5
Freq. (MHz)	445.0	297.0	500.0	467.0
Limit (dB)	27.5	31.8	26.1	26.9
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	8.8	4.5	9.5	6.4
Freq. (MHz)	165.5	298.0	500.0	467.0
Limit (dB)	33.3	28.8	23.2	24.0

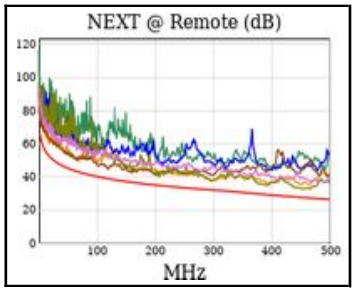
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.5	9.8	9.6	9.8
Freq. (MHz)	426.0	427.0	427.0	427.0
Limit (dB)	10.7	10.6	10.6	10.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.6	10.7	10.6
Freq. (MHz)	399.0	407.0	399.0	407.0
Limit (dB)	8.2	8.1	8.2	8.1

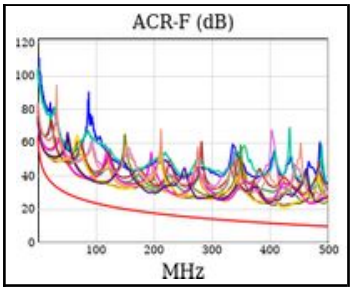
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	11.5	9.4	27.0	26.1
Freq. (MHz)	2.9	4.1	500.0	467.0
Limit (dB)	61.4	58.6	-23.2	-20.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.0	10.4	28.9	25.4
Freq. (MHz)	4.4	4.3	500.0	467.0
Limit (dB)	55.6	55.8	-26.1	-23.5

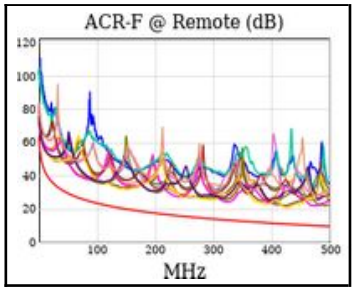
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	6.8	4.9	7.7	7.8
Freq. (MHz)	8.3	96.3	497.0	484.0
Limit (dB)	19.0	12.2	6.0	6.0

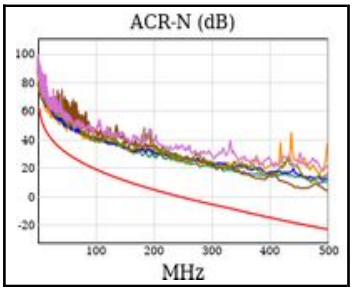


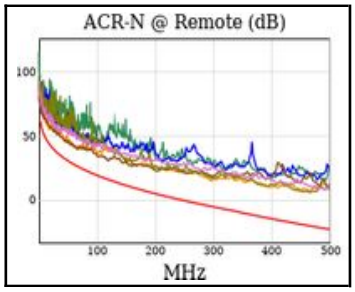


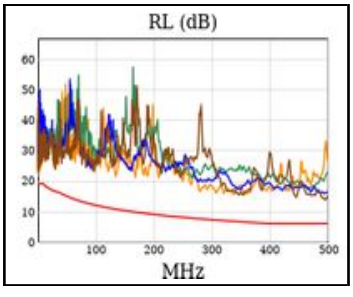


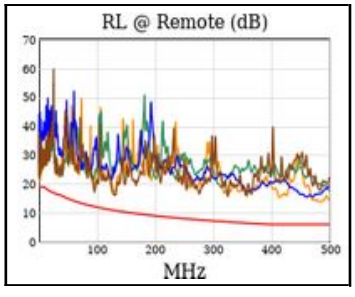












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 257-1-A

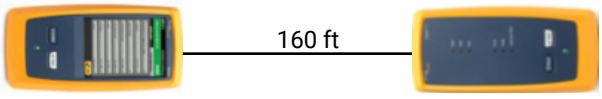
Test Summary: PASS

Date / Time: 12/10/2022 06:04:08 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

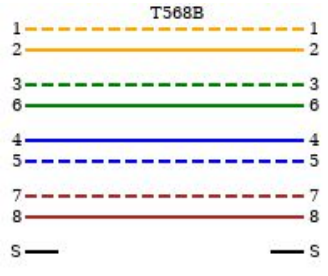
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

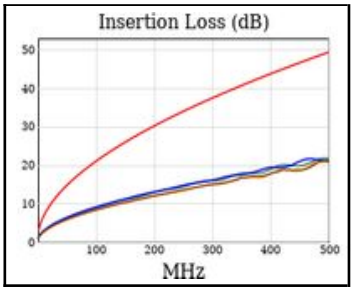
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

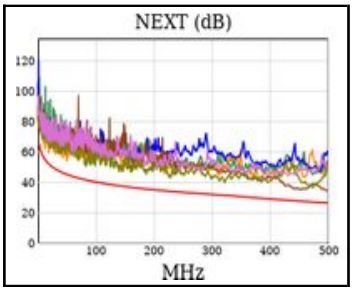
Length (ft), Limit 328	[Pair 1,2]	160
Prop. Delay (ns), Limit 555	[Pair 4,5]	251
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 4,5]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.2
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

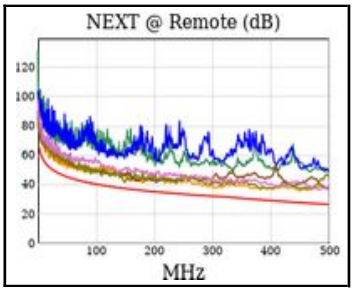


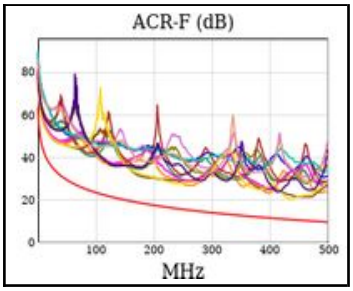
PASS

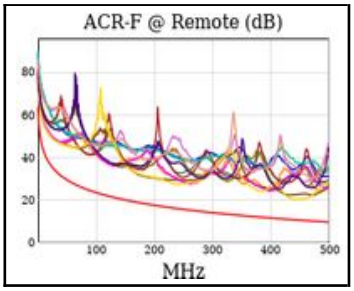


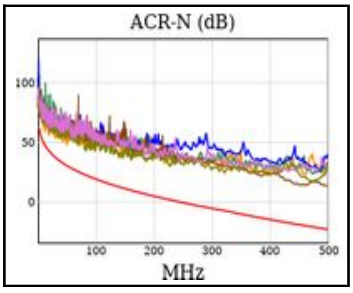


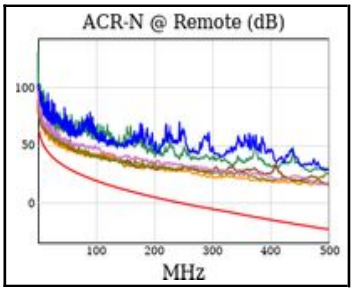


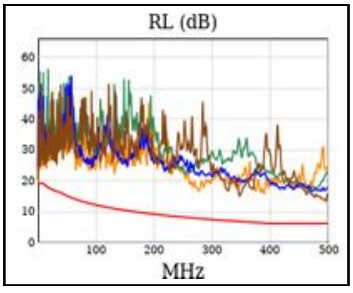


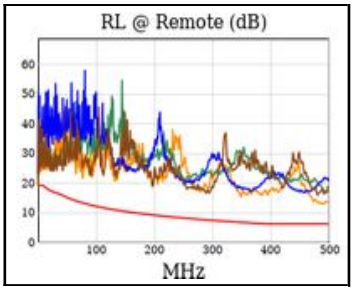












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	1,2-3,6
NEXT (dB)	7.2	4.2	8.1	8.1
Freq. (MHz)	13.3	149.5	500.0	452.0
Limit (dB)	54.6	37.0	26.1	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.6	4.8	9.3	7.8
Freq. (MHz)	19.8	183.0	463.0	452.0
Limit (dB)	49.1	32.5	24.1	24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.9	9.8	10.0	9.9
Freq. (MHz)	436.0	446.0	438.0	450.0
Limit (dB)	10.5	10.3	10.4	10.2
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.5	12.0	12.6	12.1
Freq. (MHz)	269.0	444.0	477.0	450.0
Limit (dB)	11.7	7.3	6.7	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.5	10.9	36.1	38.2
Freq. (MHz)	13.1	3.8	500.0	500.0
Limit (dB)	47.2	59.5	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.9	10.2	38.2	38.1
Freq. (MHz)	8.5	6.0	499.0	500.0
Limit (dB)	49.2	52.6	-26.0	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.8	6.2	7.0	6.6
Freq. (MHz)	16.0	16.3	497.0	492.0
Limit (dB)	18.0	17.9	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 257-1-B

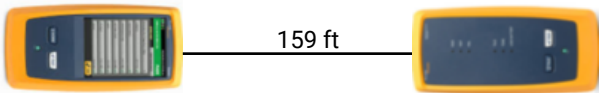
Test Summary: PASS

Date / Time: 12/10/2022 06:05:39 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

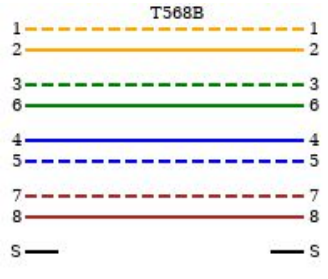
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

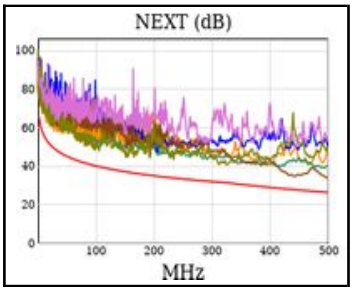
Length (ft), Limit 328	[Pair 1,2]	159
Prop. Delay (ns), Limit 555	[Pair 4,5]	251
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	7.3
Insertion Loss Margin (dB)	[Pair 3,6]	27.1
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

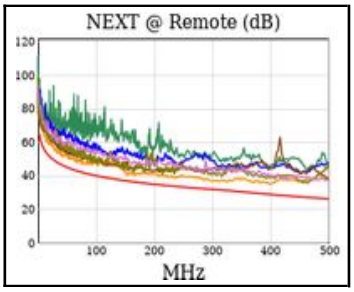


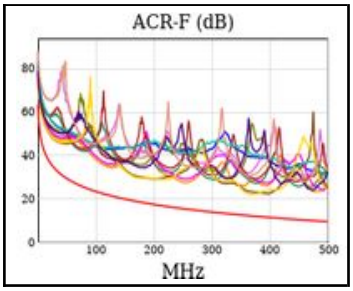
PASS

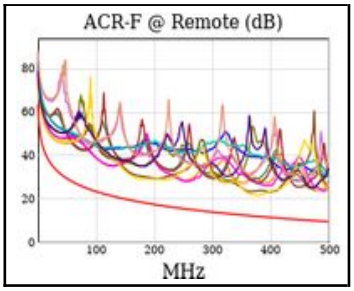


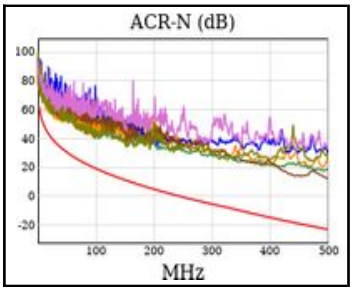


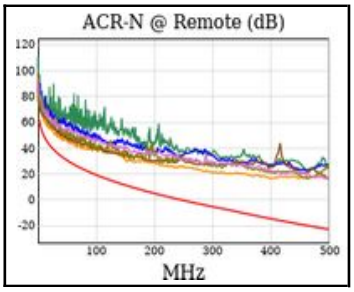


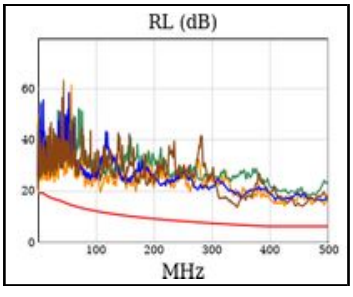


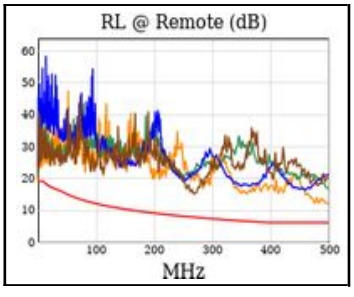












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	6.8	3.4	7.5	6.0
Freq. (MHz)	442.0	153.5	500.0	399.0
Limit (dB)	27.6	36.8	26.1	28.8
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	8.2	3.9	9.5	8.2
Freq. (MHz)	4.4	157.5	500.0	457.0
Limit (dB)	59.9	33.7	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.8	9.6	9.9	9.6
Freq. (MHz)	367.0	380.0	368.0	380.0
Limit (dB)	12.0	11.7	11.9	11.7
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	11.8	11.4	13.8	11.4
Freq. (MHz)	367.0	380.0	475.0	380.0
Limit (dB)	9.0	8.7	6.7	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
ACR-N (dB)	11.4	10.2	35.1	36.2
Freq. (MHz)	4.4	4.5	500.0	464.0
Limit (dB)	58.1	57.8	-23.2	-20.4
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	10.7	9.4	37.1	35.4
Freq. (MHz)	4.4	4.0	500.0	464.0
Limit (dB)	55.6	56.4	-26.1	-23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.9	5.9	6.8	5.9
Freq. (MHz)	16.0	499.0	344.0	499.0
Limit (dB)	18.0	6.0	6.6	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 257-2-A

Test Summary: PASS

Date / Time: 12/10/2022 06:03:36 PM
Headroom: 4.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	170
Prop. Delay (ns), Limit 555	[Pair 4,5]	269
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	7.8
Insertion Loss Margin (dB)	[Pair 3,6]	25.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	7.4	4.8	9.3	7.5
Freq. (MHz)	86.3	147.0	500.0	456.0
Limit (dB)	41.0	37.1	26.1	27.2
Worst Pair	7,8	3,6	4,5	3,6
PS NEXT (dB)	8.4	4.9	10.7	7.7
Freq. (MHz)	86.3	157.0	500.0	459.0
Limit (dB)	38.2	33.7	23.2	24.2

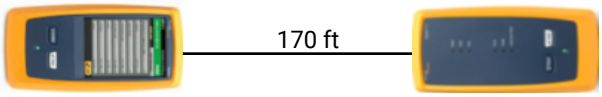
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	9.4	9.0	10.9	9.3
Freq. (MHz)	374.0	376.0	476.0	398.0
Limit (dB)	11.8	11.8	9.7	11.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.7	9.2	9.7	9.2
Freq. (MHz)	389.0	398.0	389.0	398.0
Limit (dB)	8.5	8.3	8.5	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	12.7	10.1	35.6	37.7
Freq. (MHz)	3.4	3.6	500.0	500.0
Limit (dB)	60.4	59.8	-23.2	-23.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	11.9	10.3	37.0	33.8
Freq. (MHz)	4.0	3.6	500.0	463.0
Limit (dB)	56.4	57.3	-26.1	-23.2

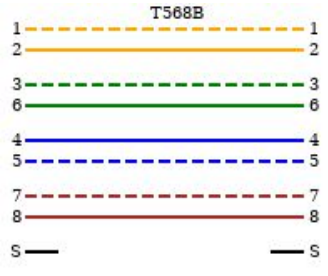
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	5.3	4.1	7.5	7.7
Freq. (MHz)	15.3	40.3	331.0	493.0
Limit (dB)	18.1	16.0	6.8	6.0

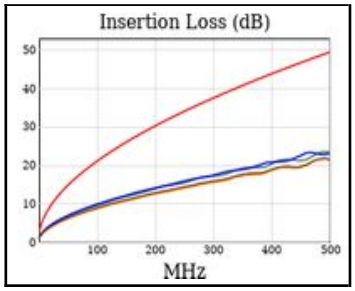
Compliant Network Standards:

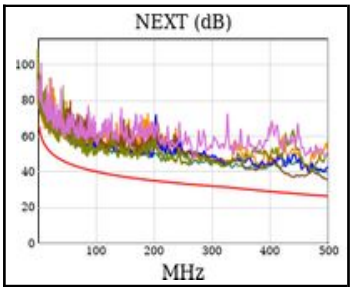
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

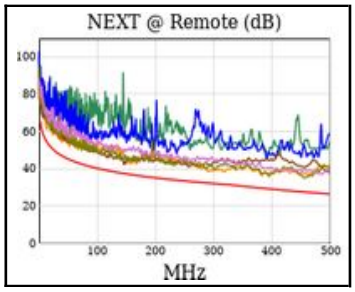


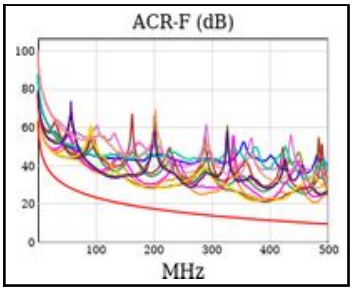
PASS

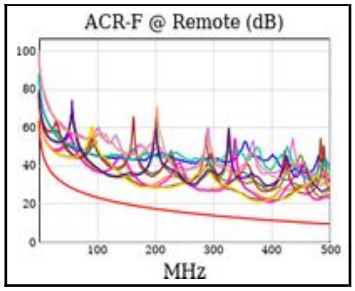


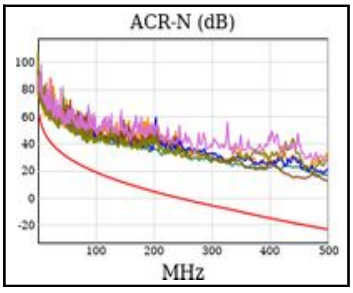


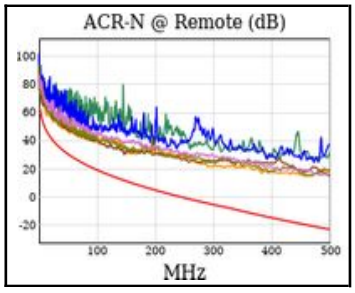


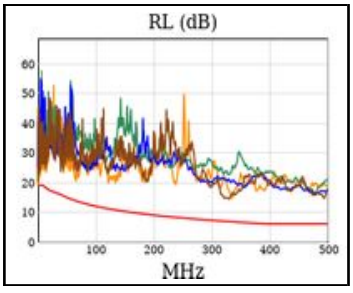


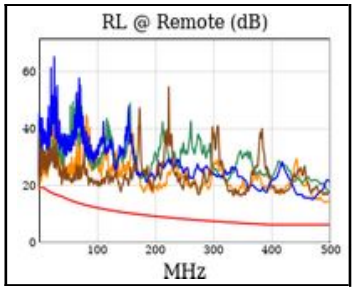












FLUKE networks

LinkWare Live

Cable ID: 257-2-B

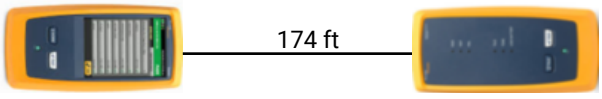
Test Summary: PASS

Date / Time: 12/10/2022 06:03:51 PM
Headroom: 4.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS D227

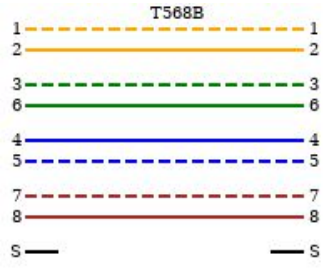
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

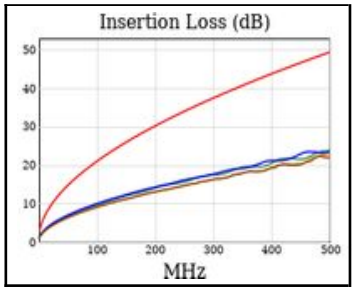
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	174
Prop. Delay (ns), Limit 555	[Pair 4,5]	274
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	7.9
Insertion Loss Margin (dB)	[Pair 3,6]	25.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

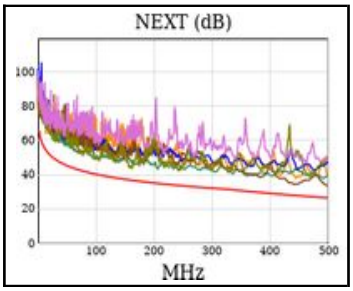


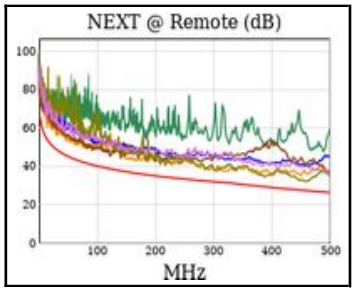
PASS



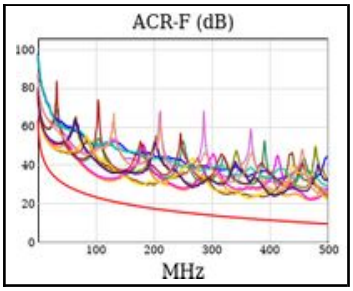


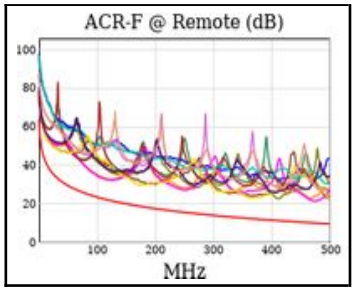
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	6.4	4.7	6.8	4.7
Freq. (MHz)	443.0	459.0	500.0	459.0
Limit (dB)	27.5	27.1	26.1	27.1
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	7.8	5.4	8.6	6.0
Freq. (MHz)	444.0	302.0	500.0	464.0
Limit (dB)	24.6	28.7	23.2	24.1



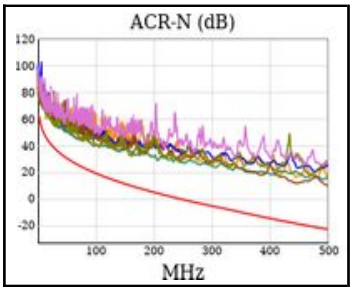


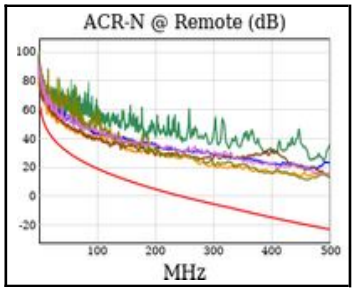
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	9.9	10.4	12.4	11.4
Freq. (MHz)	118.5	117.0	500.0	477.0
Limit (dB)	21.8	21.9	9.3	9.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.5	11.6	13.6	12.8
Freq. (MHz)	128.5	127.0	500.0	500.0
Limit (dB)	18.1	18.2	6.3	6.3



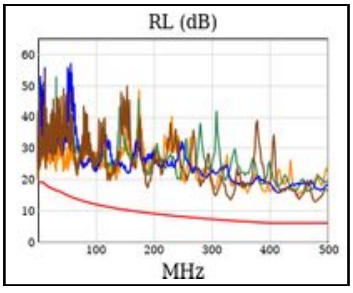


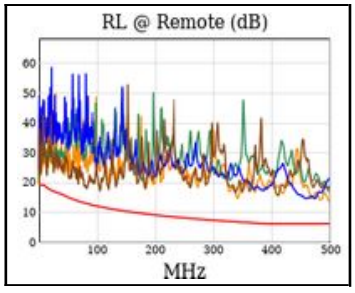
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	12.0	10.4	32.7	31.0
Freq. (MHz)	3.6	3.6	500.0	459.0
Limit (dB)	59.8	59.8	-23.2	-19.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	11.3	34.2	33.5
Freq. (MHz)	3.8	3.6	500.0	500.0
Limit (dB)	57.0	57.3	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	1,2
RL (dB)	4.9	4.1	6.9	7.6
Freq. (MHz)	14.6	14.5	480.0	500.0
Limit (dB)	18.2	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B127-A

Test Summary: PASS

Date / Time: 11/25/2022 07:15:28 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	182
Prop. Delay (ns), Limit 555	[Pair 3,6]	282
Delay Skew (ns), Limit 50	[Pair 3,6]	10
Resistance (ohms)	[Pair 3,6]	11.6
Insertion Loss Margin (dB)	[Pair 3,6]	22.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.3	3.8	6.9	3.8
Freq. (MHz)	247.0	483.0	468.0	483.0
Limit (dB)	33.2	26.5	26.9	26.5
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	4.8	6.2	7.3	6.2
Freq. (MHz)	247.0	483.0	461.0	483.0
Limit (dB)	30.2	23.6	24.2	23.6

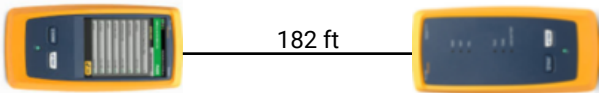
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.1	9.9	11.5	11.7
Freq. (MHz)	308.0	312.0	500.0	500.0
Limit (dB)	13.5	13.4	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-F (dB)	11.8	11.8	11.9	12.4
Freq. (MHz)	487.0	2.5	500.0	500.0
Limit (dB)	6.5	52.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.7	8.9	29.6	25.5
Freq. (MHz)	5.6	5.6	486.0	483.0
Limit (dB)	55.8	55.8	-22.1	-21.9
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.2	10.6	30.8	27.8
Freq. (MHz)	5.6	5.6	500.0	483.0
Limit (dB)	53.2	53.2	-26.1	-24.8

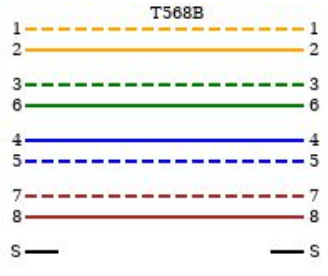
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	7.0	6.7	7.0	6.8
Freq. (MHz)	500.0	188.0	500.0	457.0
Limit (dB)	6.0	9.3	6.0	6.0

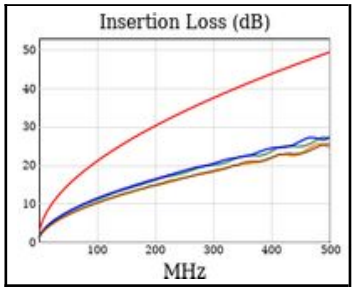
Compliant Network Standards:

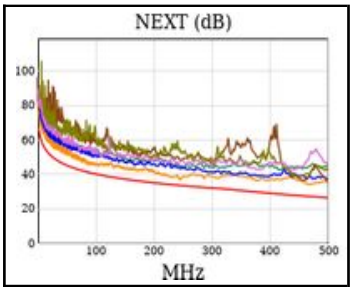
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

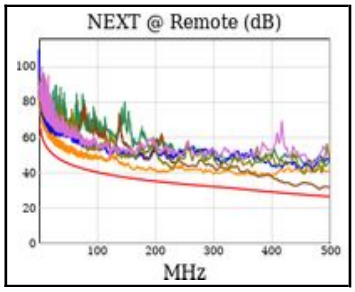


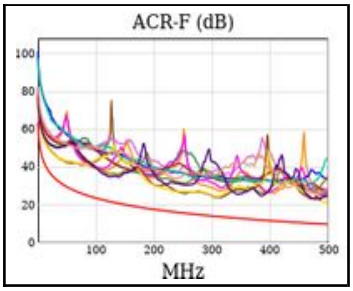
PASS

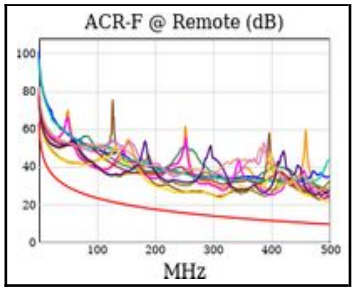


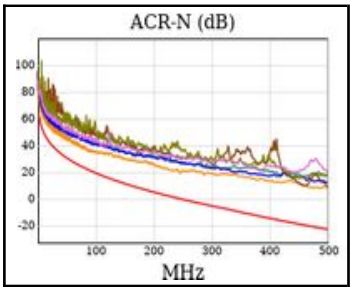


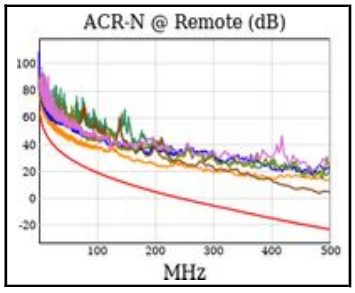


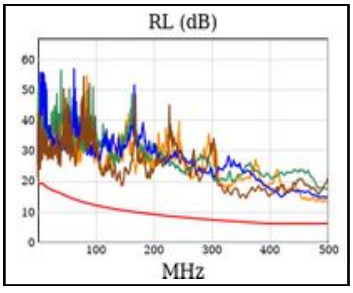


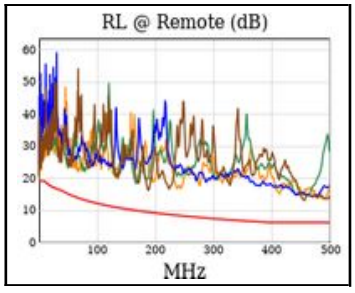












FLUKE networks

LinkWare Live

Cable ID: B127-B

Test Summary: PASS

Date / Time: 11/25/2022 07:18:57 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	180
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	24.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	3.6	7.3	4.9
Freq. (MHz)	243.0	89.3	475.0	488.0
Limit (dB)	33.3	40.8	26.7	26.4
Worst Pair	1,2	3,6	3,6	4,5
PS NEXT (dB)	6.6	5.5	7.8	6.7
Freq. (MHz)	243.0	227.5	455.0	488.0
Limit (dB)	30.4	30.9	24.3	23.5

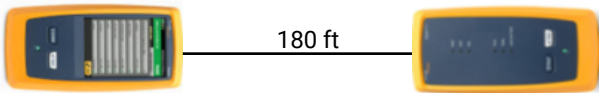
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.0	10.4	10.7	10.5
Freq. (MHz)	280.0	280.0	500.0	500.0
Limit (dB)	14.3	14.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.1	10.2	12.1	12.3
Freq. (MHz)	8.4	8.1	500.0	500.0
Limit (dB)	41.8	42.1	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.9	8.4	31.3	29.6
Freq. (MHz)	9.6	3.8	490.0	488.0
Limit (dB)	50.5	59.5	-22.4	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.2	9.8	32.7	30.8
Freq. (MHz)	3.6	3.8	490.0	488.0
Limit (dB)	57.3	57.0	-25.3	-25.1

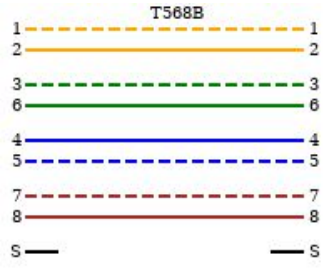
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	7,8
RL (dB)	5.8	5.8	5.8	6.4
Freq. (MHz)	452.0	91.0	452.0	493.0
Limit (dB)	6.0	12.4	6.0	6.0

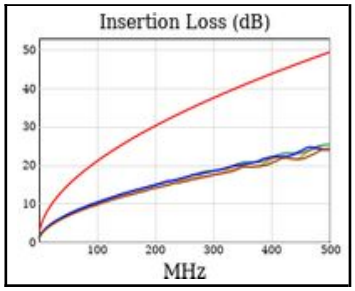
Compliant Network Standards:

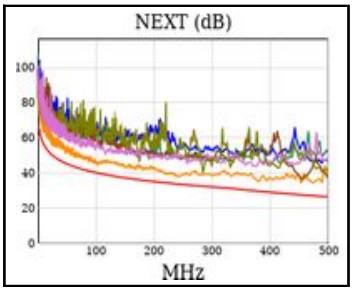
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

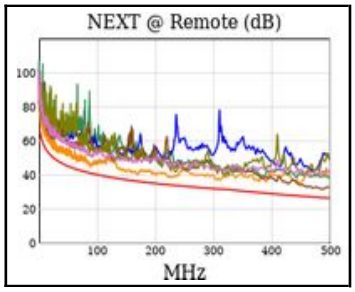


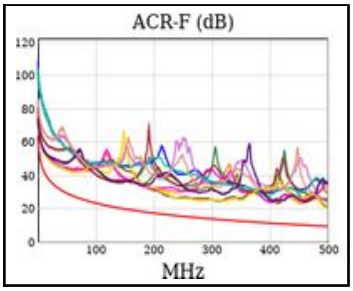
PASS

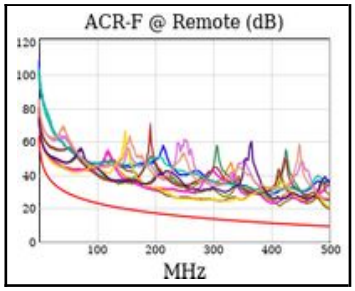


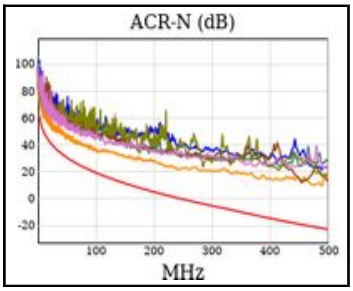


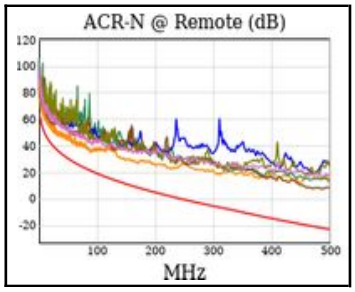


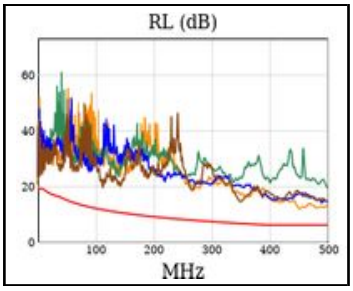


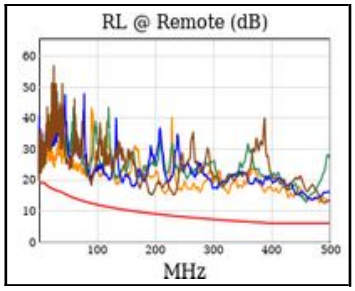












FLUKE networks

LinkWare Live

Cable ID: B128-A

Test Summary: PASS

Date / Time: 11/25/2022 07:11:02 PM
Headroom: 2.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	181
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	10.6
Insertion Loss Margin (dB)	[Pair 1,2]	18.5
Frequency (MHz)	[Pair 1,2]	498.0
Limit (dB)	[Pair 1,2]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	2.5	6.7	2.5
Freq. (MHz)	234.0	499.0	490.0	499.0
Limit (dB)	33.6	26.1	26.3	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.1	4.9	7.6	4.9
Freq. (MHz)	232.5	499.0	490.0	499.0
Limit (dB)	30.7	23.3	23.5	23.3

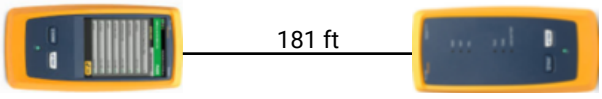
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	3,6-1,2	3,6-1,2	3,6-1,2
ACR-F (dB)	7.3	8.8	7.3	8.9
Freq. (MHz)	462.0	473.0	462.0	484.0
Limit (dB)	10.0	9.8	10.0	9.6
Worst Pair	1,2	1,2	1,2	1,2
PS ACR-F (dB)	9.5	9.2	9.5	10.1
Freq. (MHz)	462.0	264.0	462.0	486.0
Limit (dB)	7.0	11.8	7.0	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.0	9.6	30.2	27.4
Freq. (MHz)	5.8	3.8	490.0	499.0
Limit (dB)	55.6	59.5	-22.4	-23.1
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.8	9.9	27.6	29.0
Freq. (MHz)	3.6	3.6	490.0	499.0
Limit (dB)	57.3	57.3	-25.3	-26.0

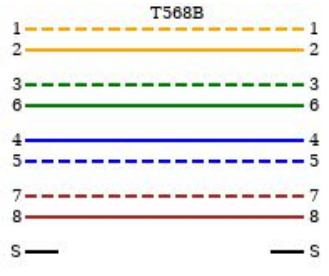
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	6.5	5.3	7.2	5.7
Freq. (MHz)	40.0	10.4	493.0	487.0
Limit (dB)	16.0	18.9	6.0	6.0

Compliant Network Standards:

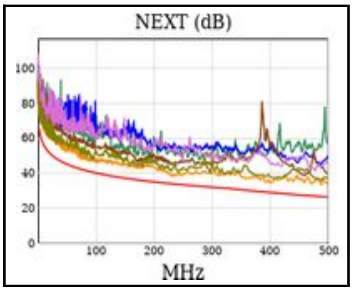
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

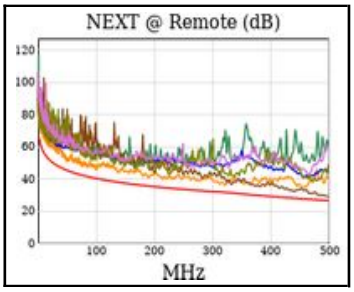


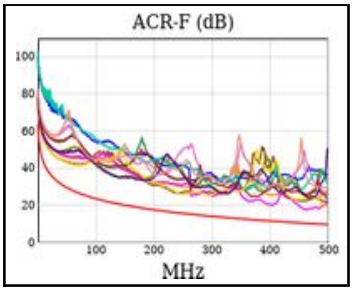
PASS

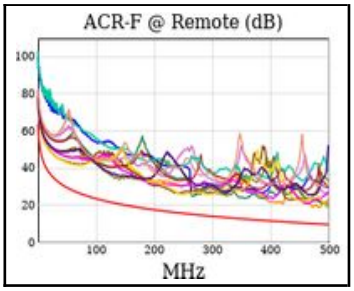


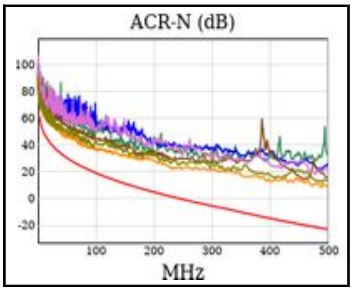


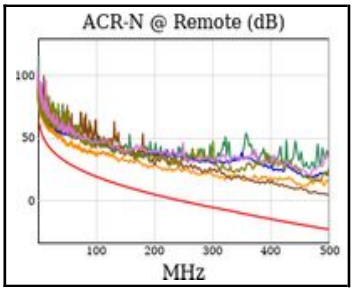


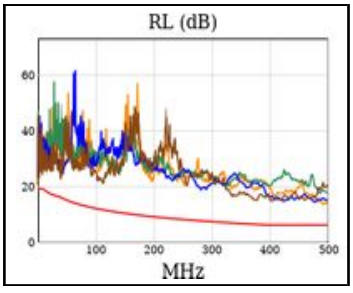


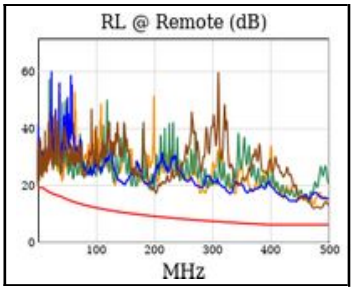












FLUKE networks

LinkWare Live

Cable ID: B128-B

Test Summary: PASS

Date / Time: 11/25/2022 07:12:36 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	183
Prop. Delay (ns), Limit 555	[Pair 3,6]	284
Delay Skew (ns), Limit 50	[Pair 3,6]	11
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	22.3
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	4.9	8.1	5.0
Freq. (MHz)	246.0	81.8	468.0	497.0
Limit (dB)	33.2	41.4	26.9	26.2
Worst Pair	1,2	4,5	3,6	4,5
PS NEXT (dB)	5.8	7.1	8.7	7.1
Freq. (MHz)	246.5	497.0	456.0	497.0
Limit (dB)	30.3	23.3	24.3	23.3

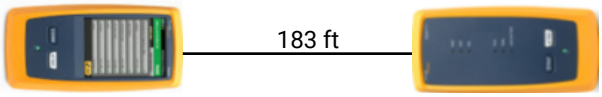
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.7	9.3	9.7	9.3
Freq. (MHz)	451.0	444.0	451.0	444.0
Limit (dB)	10.2	10.3	10.2	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.0	10.2	11.5
Freq. (MHz)	412.0	403.0	413.0	490.0
Limit (dB)	8.0	8.2	7.9	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.0	8.8	30.6	28.0
Freq. (MHz)	3.6	3.6	478.0	497.0
Limit (dB)	59.8	59.8	-21.5	-23.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	11.0	33.5	29.5
Freq. (MHz)	3.6	3.6	500.0	497.0
Limit (dB)	57.3	57.3	-26.1	-25.8

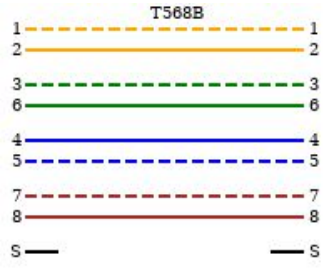
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.7	5.6	6.7	5.6
Freq. (MHz)	481.0	500.0	481.0	500.0
Limit (dB)	6.0	6.0	6.0	6.0

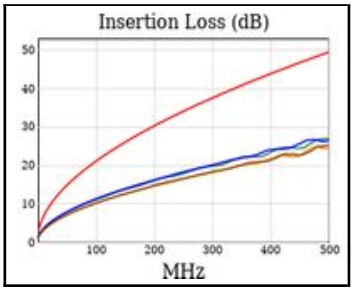
Compliant Network Standards:

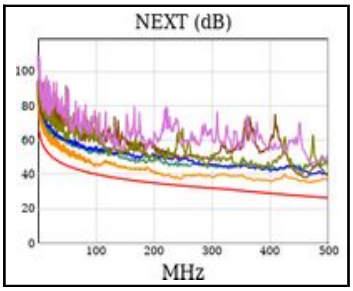
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

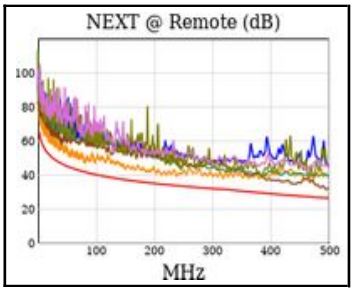


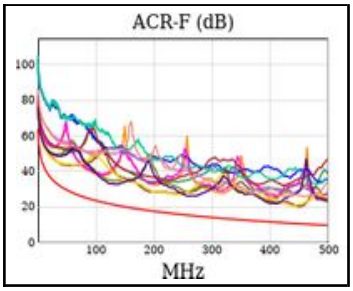
PASS

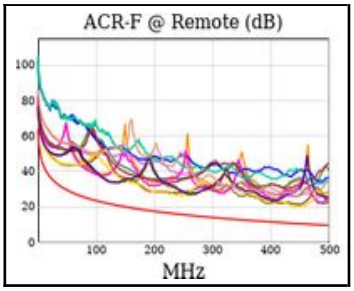


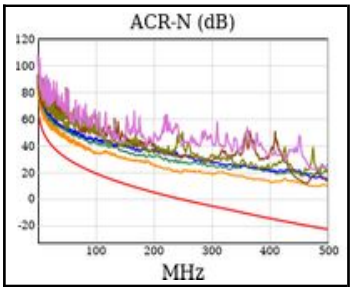


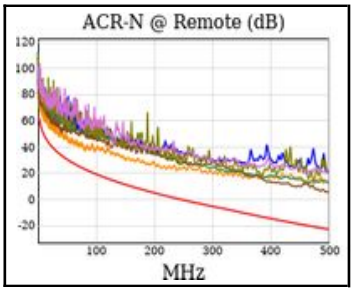


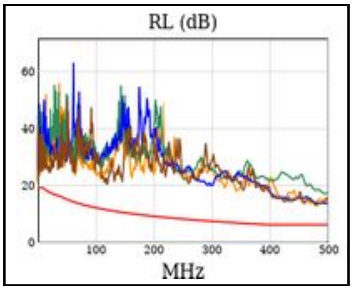


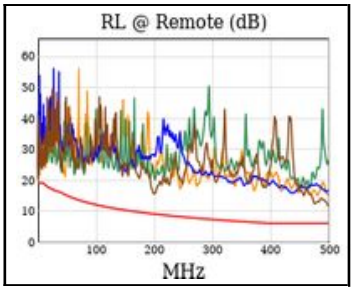












FLUKE networks

LinkWare Live

Cable ID: 9-A

Test Summary: PASS

Date / Time: 12/18/2022 02:05:54 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	100
Prop. Delay (ns), Limit 555	[Pair 4,5]	158
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	16.7
Insertion Loss Margin (dB)	[Pair 3,6]	34.0
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-7,8	1,2-3,6
NEXT (dB)	4.5	5.3	7.4	7.7
Freq. (MHz)	161.5	3.4	462.0	456.0
Limit (dB)	36.4	64.2	27.0	27.2
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	3.6	5.3	8.4	8.3
Freq. (MHz)	153.5	242.5	462.0	462.0
Limit (dB)	33.9	30.4	24.1	24.1

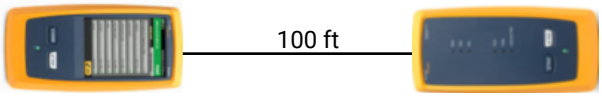
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	7,8-3,6	1,2-3,6
ACR-F (dB)	11.1	11.2	13.2	13.7
Freq. (MHz)	315.0	304.0	477.0	492.0
Limit (dB)	13.3	13.6	9.7	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.7	12.1	15.0
Freq. (MHz)	7.0	1.4	400.0	492.0
Limit (dB)	43.4	57.5	8.2	6.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	7.9	8.1	42.5	37.8
Freq. (MHz)	3.3	3.4	462.0	412.0
Limit (dB)	60.7	60.4	-20.2	-16.0
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-N (dB)	7.1	8.2	45.0	42.5
Freq. (MHz)	3.4	3.5	496.0	466.0
Limit (dB)	57.9	57.6	-25.8	-23.4

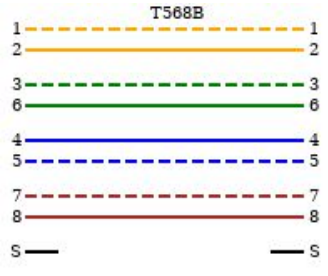
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	3,6	1,2	1,2
RL (dB)	4.3	3.7	6.8	7.8
Freq. (MHz)	65.8	63.3	481.0	477.0
Limit (dB)	13.8	14.0	6.0	6.0

Compliant Network Standards:

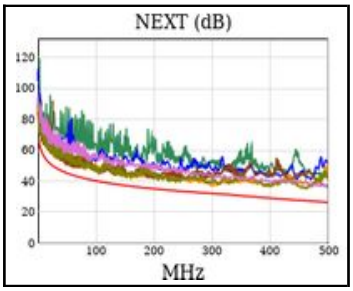
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

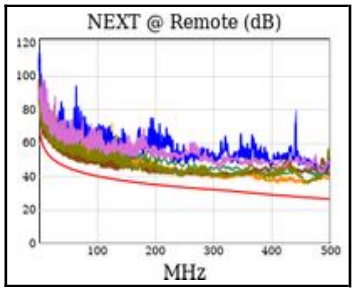


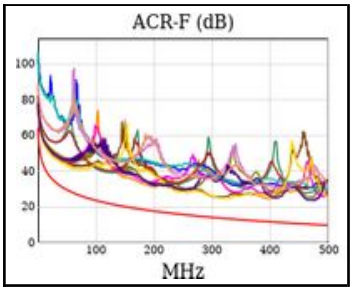
PASS

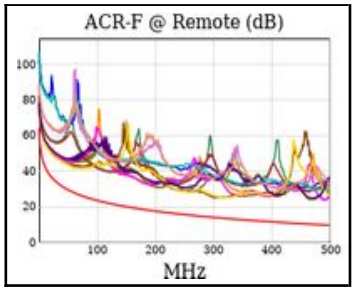


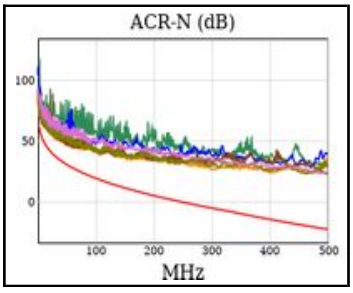


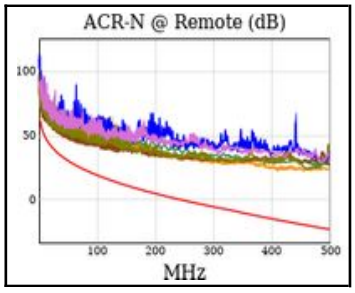


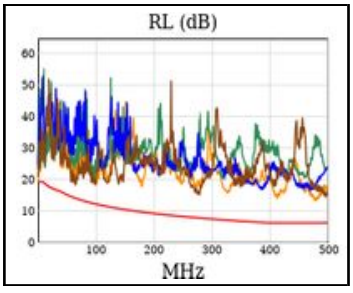


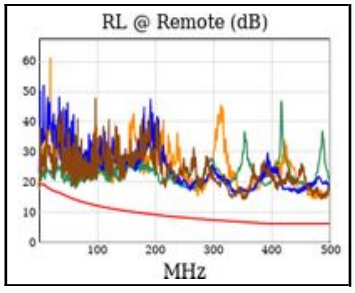












FLUKE networks

LinkWare Live

Cable ID: 9-B

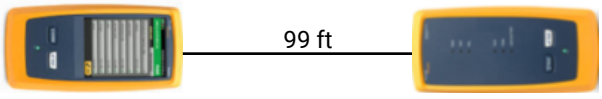
Test Summary: PASS

Date / Time: 12/18/2022 02:06:16 PM
Headroom: 2.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: SANVILLE MDF

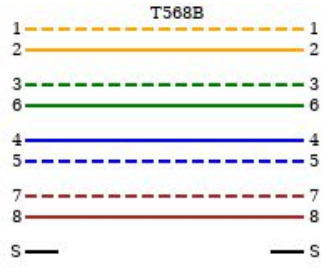
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

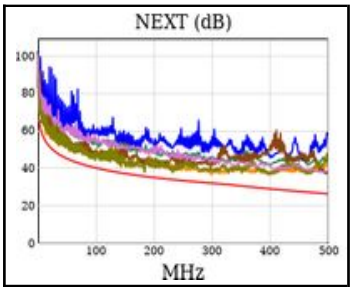
Length (ft), Limit 328	[Pair 1,2]	99
Prop. Delay (ns), Limit 555	[Pair 4,5]	156
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 3,6]	34.8
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1

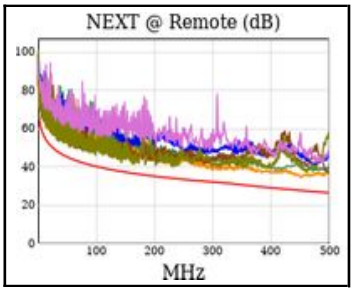


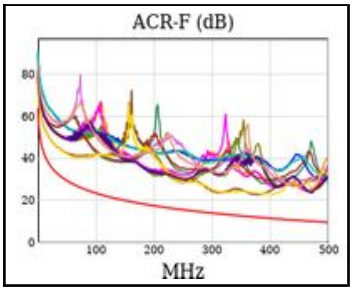
PASS

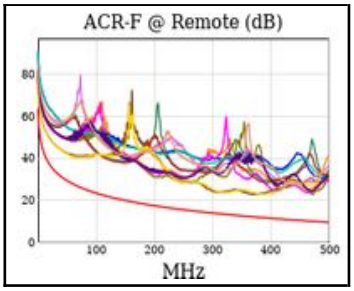


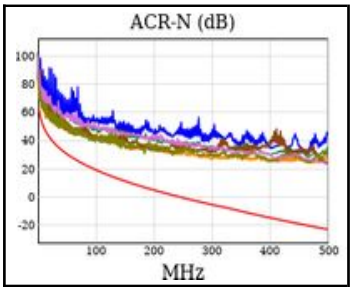


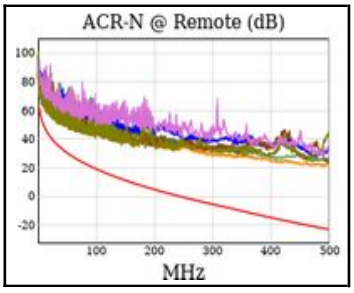


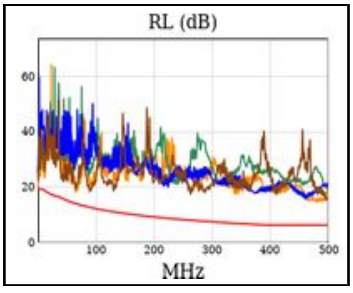


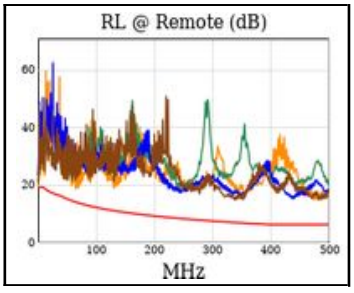












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	1,2-3,6
NEXT (dB)	2.1	4.6	7.1	6.6
Freq. (MHz)	184.5	144.5	400.0	452.0
Limit (dB)	35.4	37.2	28.7	27.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.5	4.2	4.2	7.8
Freq. (MHz)	184.5	3.5	300.0	464.0
Limit (dB)	32.5	61.5	28.8	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	7,8-3,6
ACR-F (dB)	9.9	10.1	10.7	12.7
Freq. (MHz)	311.0	312.0	379.0	474.0
Limit (dB)	13.4	13.4	11.7	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	12.1	12.7	13.0
Freq. (MHz)	407.0	415.0	471.0	474.0
Limit (dB)	8.1	7.9	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	7.5	7.8	46.1	43.0
Freq. (MHz)	3.4	3.4	497.0	493.0
Limit (dB)	60.4	60.4	-23.0	-22.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.3	7.0	44.8	44.9
Freq. (MHz)	3.5	3.5	490.0	500.0
Limit (dB)	57.6	57.6	-25.3	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	4.1	4.6	8.0	8.2
Freq. (MHz)	66.3	66.0	483.0	483.0
Limit (dB)	13.8	13.8	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B101-1-A

Test Summary: PASS

Date / Time: 11/21/2022 06:08:25 PM
Headroom: 2.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	252
Prop. Delay (ns), Limit 555	[Pair 4,5]	392
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	11.6
Insertion Loss Margin (dB)	[Pair 3,6]	15.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.0	2.2	5.3	4.7
Freq. (MHz)	12.1	230.0	500.0	385.0
Limit (dB)	55.2	33.7	26.1	29.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.5	4.3	5.8	9.8
Freq. (MHz)	19.1	66.8	494.0	499.0
Limit (dB)	49.3	40.1	23.4	23.3

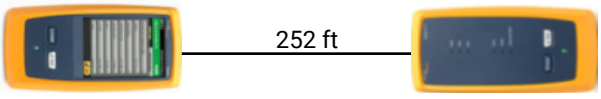
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	4,5-3,6	1,2-3,6
ACR-F (dB)	9.3	9.4	11.2	10.0
Freq. (MHz)	380.0	5.8	500.0	478.0
Limit (dB)	11.7	48.1	9.3	9.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.5	8.4	11.7	11.1
Freq. (MHz)	7.1	4.6	500.0	500.0
Limit (dB)	43.2	47.0	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	6.4	5.9	21.1	25.4
Freq. (MHz)	8.0	8.0	494.0	499.0
Limit (dB)	52.4	52.4	-22.7	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.0	6.4	20.9	25.2
Freq. (MHz)	4.0	3.9	494.0	499.0
Limit (dB)	56.4	56.7	-25.6	-26.0

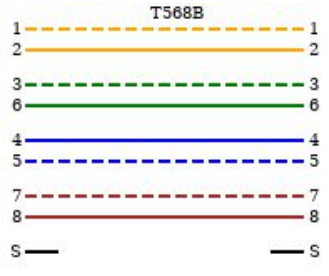
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.1	4.4	8.7	7.5
Freq. (MHz)	6.0	6.0	496.0	496.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

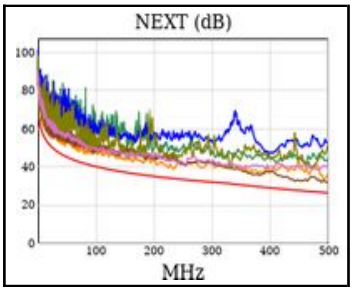
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

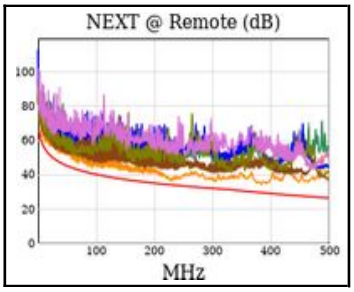


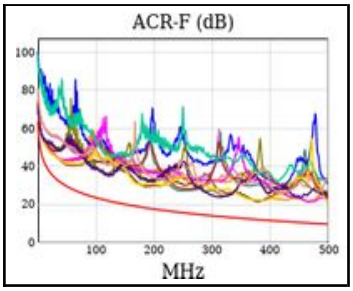
PASS

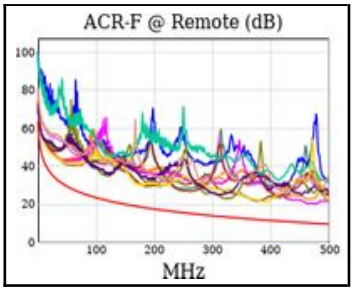


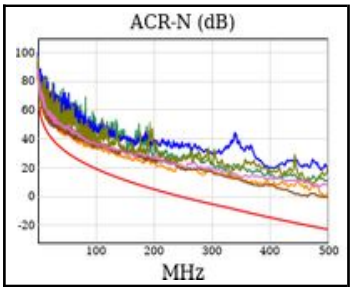


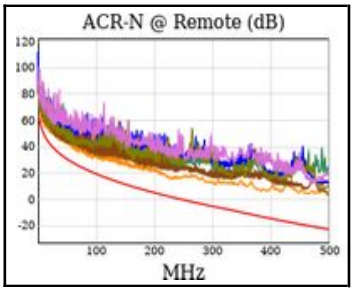


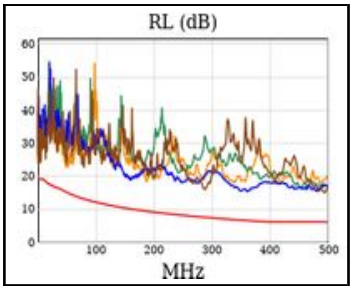


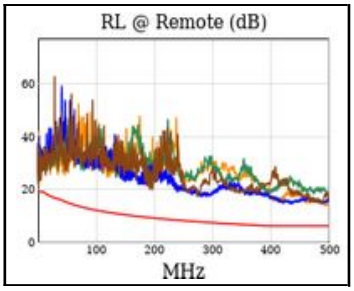












FLUKE networks

LinkWare Live

Cable ID: B101-1-B

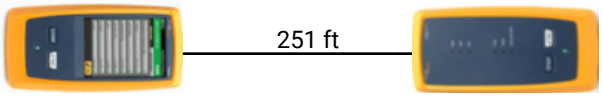
Test Summary: PASS

Date / Time: 11/21/2022 06:08:51 PM
Headroom: 2.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

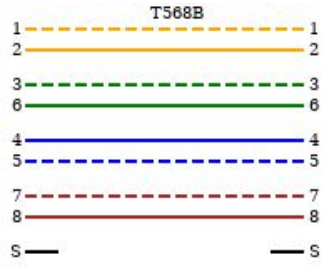
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

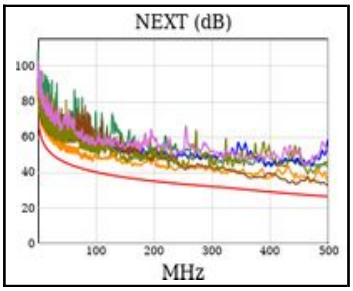
Length (ft), Limit 328	[Pair 7,8]	251
Prop. Delay (ns), Limit 555	[Pair 4,5]	386
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 3,6]	11.6
Insertion Loss Margin (dB)	[Pair 3,6]	15.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

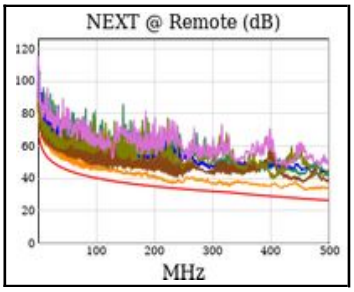


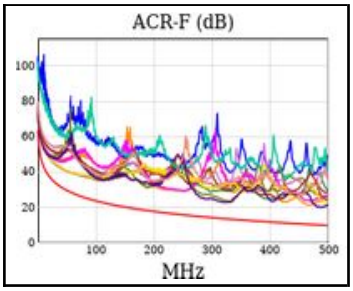
PASS

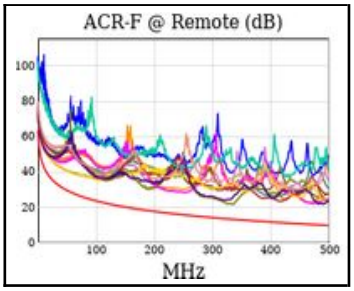


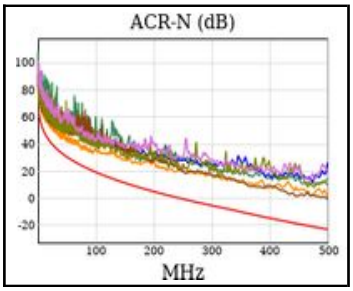


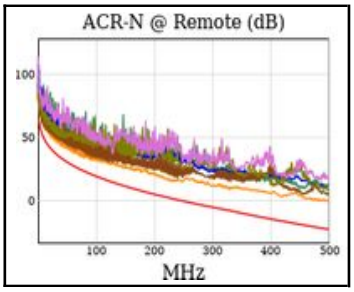


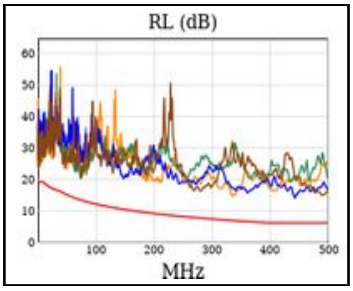


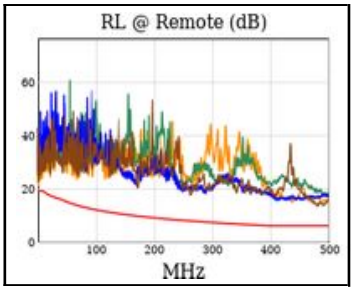












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.0	2.6	6.0	5.6
Freq. (MHz)	75.5	231.0	500.0	463.0
Limit (dB)	42.0	33.7	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.5	5.0	6.9	7.4
Freq. (MHz)	6.8	249.5	500.0	459.0
Limit (dB)	56.8	30.2	23.2	24.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	9.2	8.3	9.8	8.3
Freq. (MHz)	320.0	335.0	490.0	335.0
Limit (dB)	13.2	12.8	9.5	12.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.6	8.7	10.2	12.1
Freq. (MHz)	3.1	8.4	490.0	500.0
Limit (dB)	50.4	41.8	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.1	7.3	22.0	21.8
Freq. (MHz)	6.8	4.0	500.0	495.0
Limit (dB)	54.0	58.9	-23.2	-22.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.1	7.1	21.9	23.8
Freq. (MHz)	4.0	4.0	500.0	500.0
Limit (dB)	56.4	56.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	7,8
RL (dB)	5.5	4.4	7.8	7.3
Freq. (MHz)	5.9	5.9	444.0	482.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B101-2-A

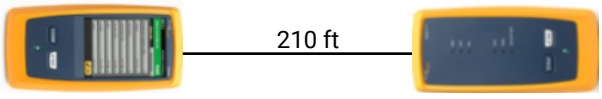
Test Summary: PASS

Date / Time: 11/21/2022 06:11:38 PM
Headroom: 4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

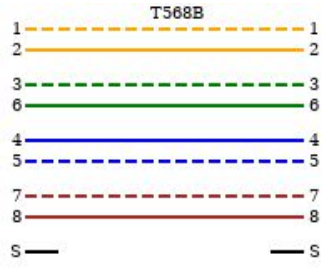
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

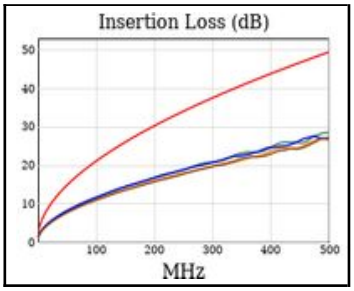
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	210
Prop. Delay (ns), Limit 555	[Pair 4,5]	326
Delay Skew (ns), Limit 50	[Pair 4,5]	13
Resistance (ohms)	[Pair 3,6]	11.3
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

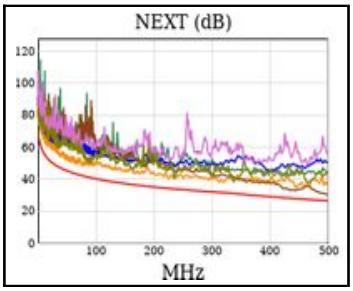


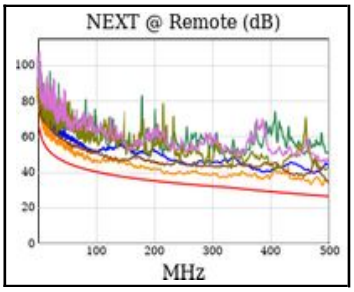
PASS



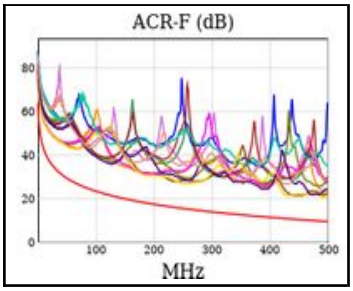


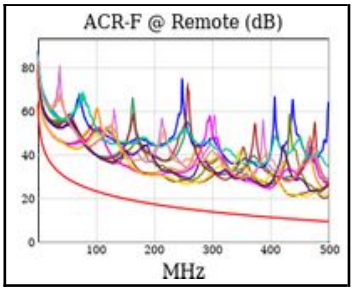
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.0	4.7	4.0	5.8
Freq. (MHz)	500.0	233.0	500.0	490.0
Limit (dB)	26.1	33.6	26.1	26.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.5	6.2	5.8	7.4
Freq. (MHz)	445.0	218.5	500.0	500.0
Limit (dB)	24.6	31.2	23.2	23.2



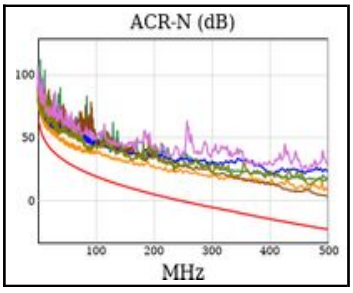


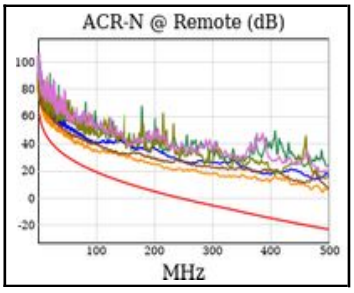
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	10.6	10.6	10.9	10.7
Freq. (MHz)	431.0	440.0	493.0	495.0
Limit (dB)	10.6	10.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	11.8	10.6	11.8
Freq. (MHz)	491.0	492.0	491.0	492.0
Limit (dB)	6.4	6.4	6.4	6.4



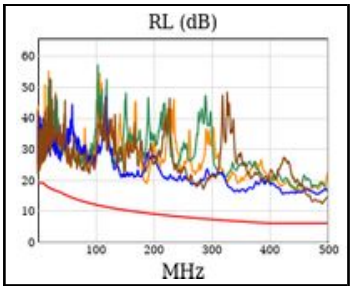


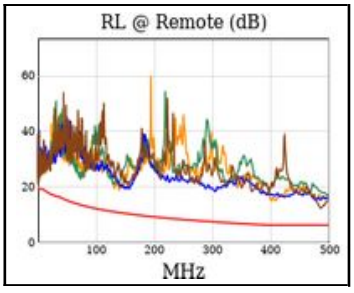
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	10.5	9.6	26.1	26.3
Freq. (MHz)	4.9	13.1	500.0	490.0
Limit (dB)	57.1	47.2	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.6	10.3	26.7	28.3
Freq. (MHz)	3.1	3.1	500.0	500.0
Limit (dB)	58.3	58.3	-26.1	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	6.3	4.9	6.3	6.1
Freq. (MHz)	491.0	8.8	491.0	487.0
Limit (dB)	6.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B101-2-B

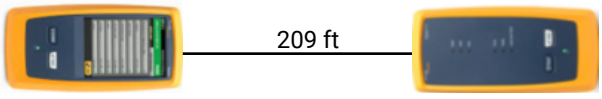
Test Summary: PASS

Date / Time: 11/21/2022 06:13:18 PM
Headroom: 3.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

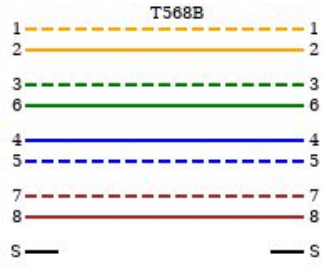
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

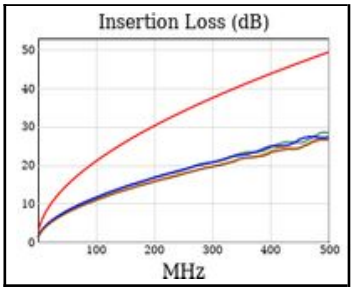
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	209
Prop. Delay (ns), Limit 555	[Pair 4,5]	326
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.5
Insertion Loss Margin (dB)	[Pair 3,6]	20.6
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

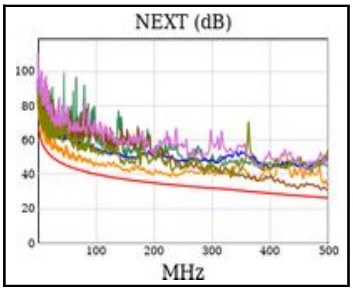


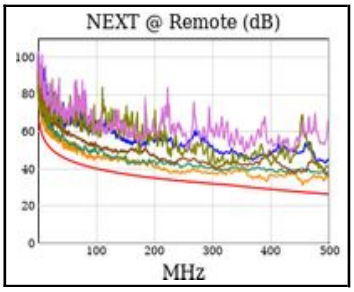
PASS



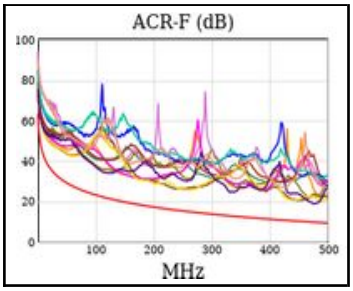


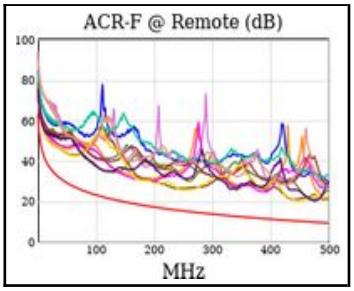
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	3.5	4.4	3.6
Freq. (MHz)	46.3	228.5	500.0	456.0
Limit (dB)	45.6	33.8	26.1	27.2
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.5	5.0	5.5	5.8
Freq. (MHz)	500.0	246.0	500.0	456.0
Limit (dB)	23.2	30.3	23.2	24.3



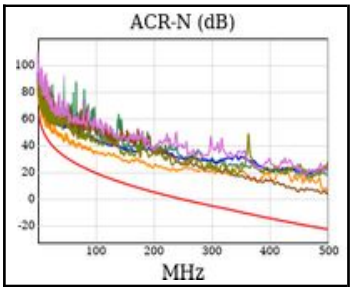


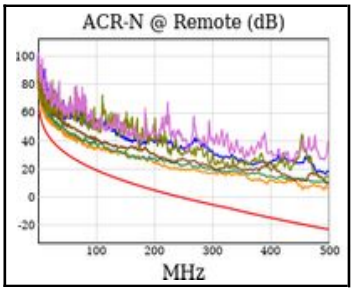
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	9.1	9.8	9.1	9.8
Freq. (MHz)	479.0	450.0	479.0	450.0
Limit (dB)	9.7	10.2	9.7	10.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.4	10.8	9.4	11.4
Freq. (MHz)	486.0	2.1	486.0	488.0
Limit (dB)	6.5	53.7	6.5	6.5



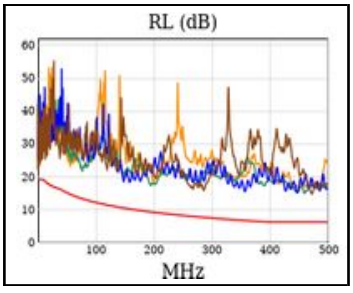


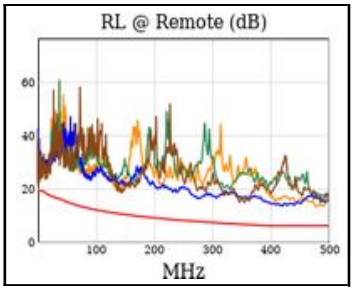
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.5	8.1	26.3	27.4
Freq. (MHz)	6.4	6.4	500.0	493.0
Limit (dB)	54.6	54.6	-23.2	-22.7
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	8.9	9.5	26.4	28.1
Freq. (MHz)	6.4	8.1	500.0	493.0
Limit (dB)	52.0	49.6	-26.1	-25.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	6.3	4.9	8.5	7.1
Freq. (MHz)	8.9	8.9	473.0	479.0
Limit (dB)	19.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B101-3-A

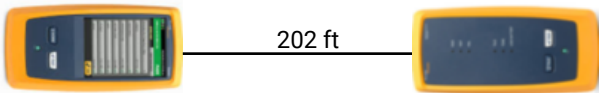
Test Summary: PASS

Date / Time: 11/21/2022 06:15:22 PM
Headroom: 2.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

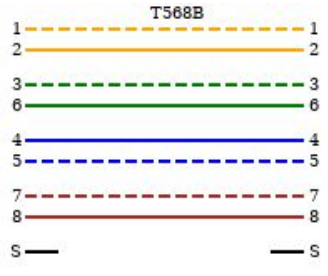
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

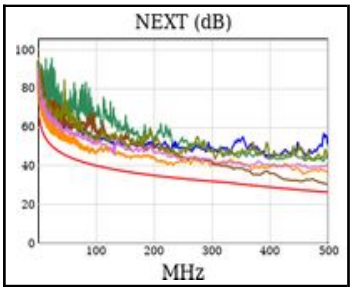
Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	313
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	12.5
Insertion Loss Margin (dB)	[Pair 3,6]	21.0
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

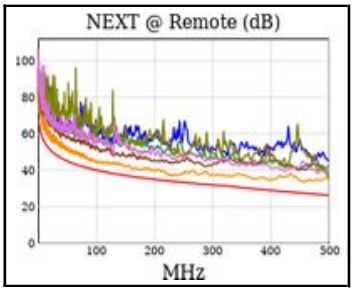


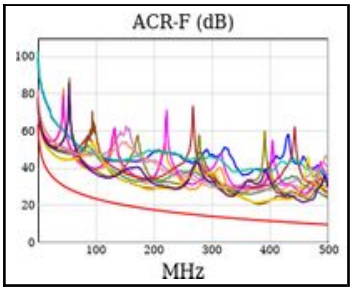
PASS

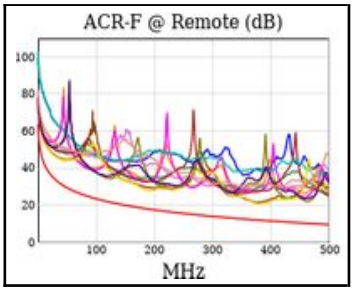


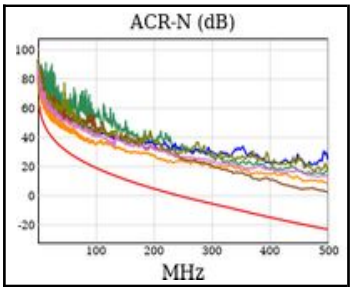


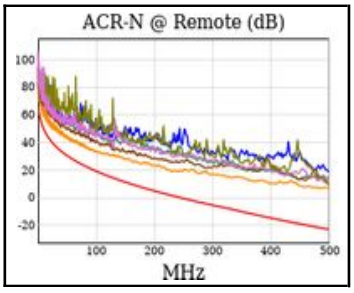


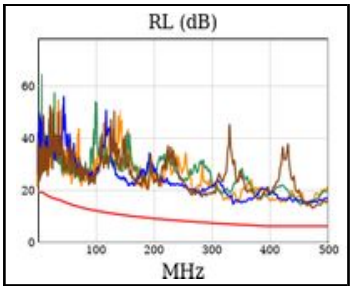


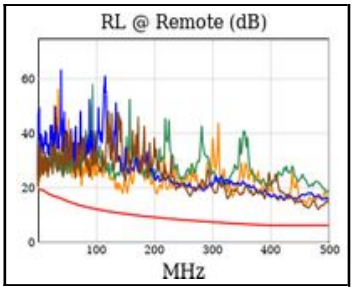












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	2.9	4.2	6.3
Freq. (MHz)	497.0	232.5	500.0	460.0
Limit (dB)	26.2	33.7	26.1	27.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.9	4.9	5.9	8.1
Freq. (MHz)	500.0	232.0	500.0	499.0
Limit (dB)	23.2	30.7	23.2	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.7	8.6	8.7	8.6
Freq. (MHz)	383.0	380.0	383.0	380.0
Limit (dB)	11.6	11.7	11.6	11.7
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	10.1	10.1	10.3	10.1
Freq. (MHz)	376.0	380.0	383.0	380.0
Limit (dB)	8.8	8.7	8.6	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.4	8.5	25.6	28.7
Freq. (MHz)	3.3	6.8	500.0	488.0
Limit (dB)	60.7	54.0	-23.2	-22.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.8	26.9	29.1
Freq. (MHz)	3.3	3.3	500.0	499.0
Limit (dB)	58.2	58.2	-26.1	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	7,8
RL (dB)	6.9	5.4	6.9	5.9
Freq. (MHz)	475.0	9.3	475.0	483.0
Limit (dB)	6.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B101-3-B

Test Summary: PASS

Date / Time: 11/21/2022 06:16:10 PM
Headroom: 1.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	202
Prop. Delay (ns), Limit 555	[Pair 3,6]	314
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	20.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.4	1.9	6.4	3.3
Freq. (MHz)	27.3	235.0	494.0	397.0
Limit (dB)	49.4	33.6	26.2	28.8
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.8	4.5	7.4	7.9
Freq. (MHz)	237.0	235.0	495.0	495.0
Limit (dB)	30.6	30.6	23.3	23.3

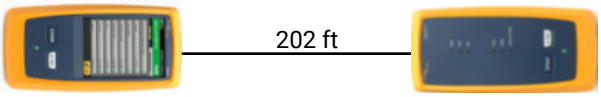
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.2	9.7	10.5	10.4
Freq. (MHz)	447.0	251.0	474.0	460.0
Limit (dB)	10.3	15.3	9.7	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	10.7	11.6	11.5
Freq. (MHz)	201.0	199.0	460.0	453.0
Limit (dB)	14.2	14.3	7.0	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.1	7.7	26.7	25.8
Freq. (MHz)	3.4	3.3	494.0	474.0
Limit (dB)	60.4	60.7	-22.7	-21.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.4	9.5	27.5	28.0
Freq. (MHz)	3.3	3.3	495.0	495.0
Limit (dB)	58.2	58.2	-25.7	-25.7

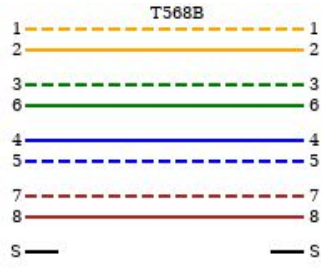
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.6	5.5	5.4	6.9
Freq. (MHz)	278.0	10.6	468.0	486.0
Limit (dB)	7.6	18.9	6.0	6.0

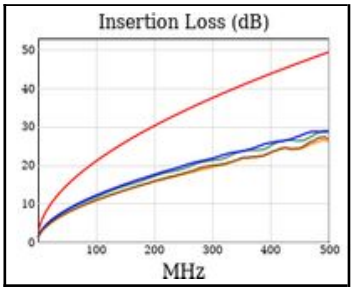
Compliant Network Standards:

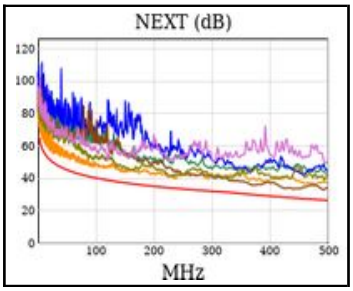
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

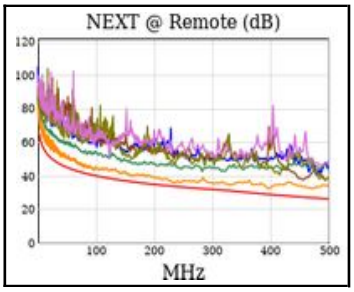


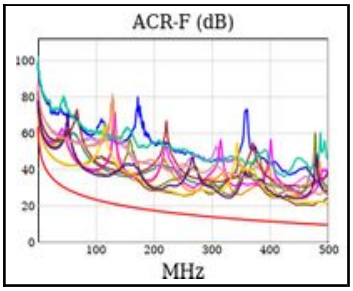
PASS

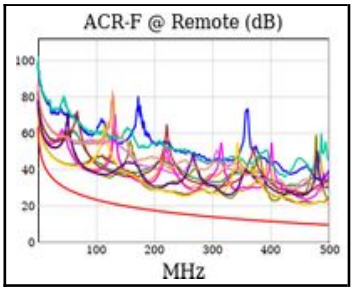


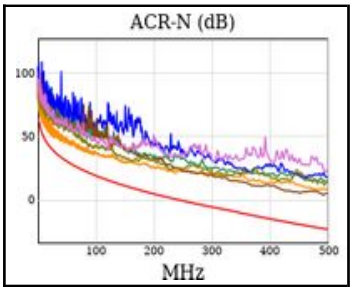


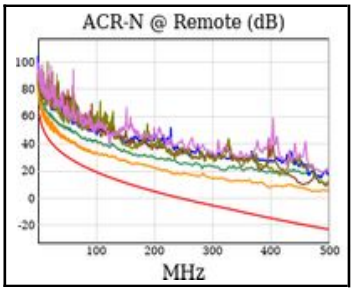


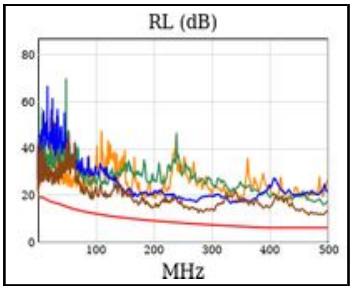


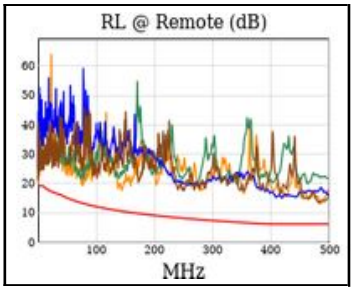












FLUKE networks

LinkWare Live

Cable ID: B101-4-A

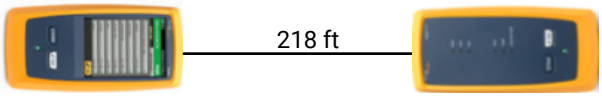
Test Summary: PASS

Date / Time: 11/21/2022 06:17:20 PM
Headroom: 3.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

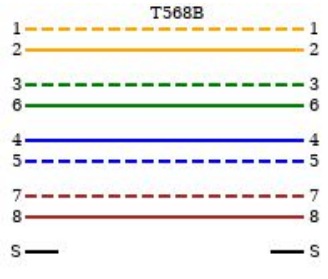
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

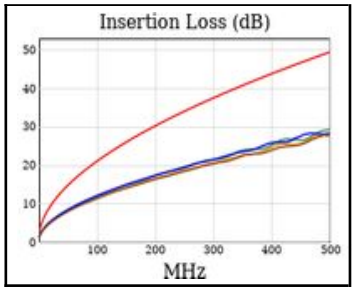
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	218
Prop. Delay (ns), Limit 555	[Pair 4,5]	339
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	20.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

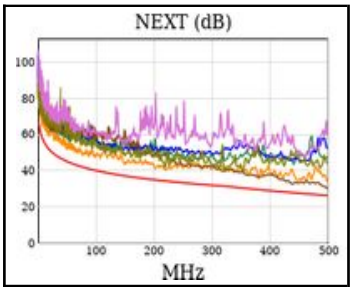


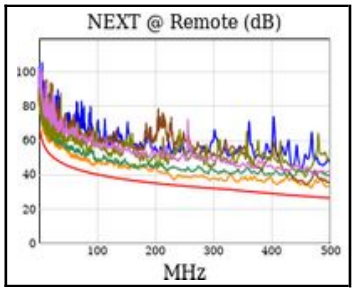
PASS



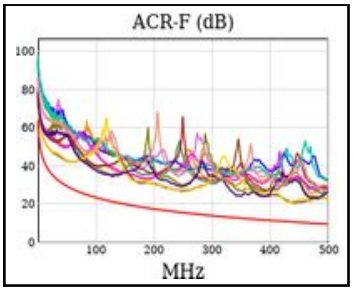


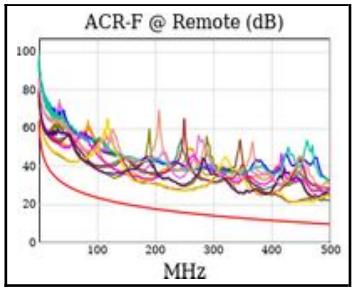
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.6	3.1	3.6	5.1
Freq. (MHz)	500.0	233.5	500.0	469.0
Limit (dB)	26.1	33.6	26.1	26.9
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	4.9	5.2	4.9	5.9
Freq. (MHz)	500.0	233.5	500.0	459.0
Limit (dB)	23.2	30.7	23.2	24.2



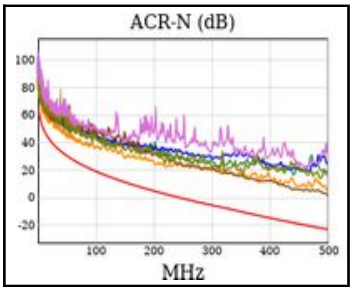


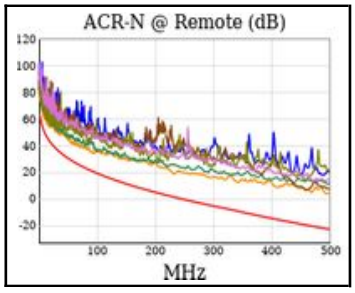
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	10.1	10.0	10.1
Freq. (MHz)	441.0	440.0	441.0	440.0
Limit (dB)	10.4	10.4	10.4	10.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.2	11.6	11.2	11.6
Freq. (MHz)	472.0	488.0	472.0	488.0
Limit (dB)	6.8	6.5	6.8	6.5



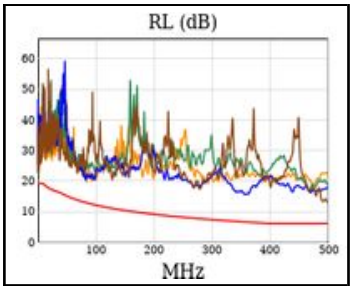


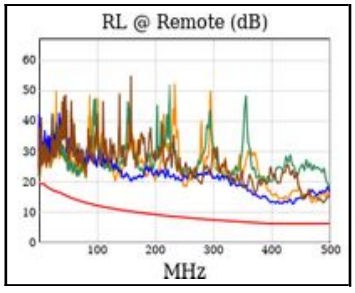
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	8.8	8.9	24.6	26.3
Freq. (MHz)	7.6	7.8	500.0	495.0
Limit (dB)	52.8	52.7	-23.2	-22.8
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	9.9	11.0	25.0	27.3
Freq. (MHz)	4.5	7.8	500.0	495.0
Limit (dB)	55.3	50.1	-26.1	-25.7





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.7	6.1	7.0	6.5
Freq. (MHz)	84.5	14.4	500.0	438.0
Limit (dB)	12.7	18.2	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: B101-4-B

Test Summary: PASS

Date / Time: 11/21/2022 06:17:54 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	221
Prop. Delay (ns), Limit 555	[Pair 3,6]	341
Delay Skew (ns), Limit 50	[Pair 3,6]	12
Resistance (ohms)	[Pair 3,6]	11.5
Insertion Loss Margin (dB)	[Pair 3,6]	18.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	3.8	3.7	4.0	7.1
Freq. (MHz)	438.0	237.5	500.0	464.0
Limit (dB)	27.7	33.5	26.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.9	6.4	5.3	8.3
Freq. (MHz)	449.0	237.5	498.0	500.0
Limit (dB)	24.5	30.5	23.3	23.2

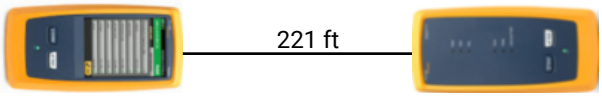
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	3,6-4,5
ACR-F (dB)	9.5	10.2	10.8	10.7
Freq. (MHz)	305.0	305.0	472.0	471.0
Limit (dB)	13.6	13.6	9.8	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.8	11.2	10.8	11.2
Freq. (MHz)	472.0	470.0	472.0	470.0
Limit (dB)	6.8	6.8	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.6	8.8	22.5	23.8
Freq. (MHz)	3.0	6.1	500.0	464.0
Limit (dB)	61.4	55.0	-23.2	-20.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.8	10.3	23.6	26.7
Freq. (MHz)	4.5	4.5	498.0	500.0
Limit (dB)	55.3	55.3	-25.9	-26.1

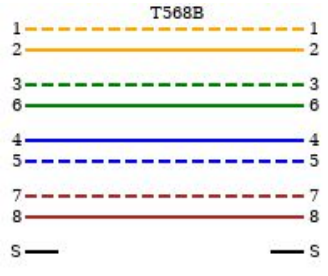
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	6.3	5.0	7.3	6.3
Freq. (MHz)	83.0	8.3	471.0	470.0
Limit (dB)	12.8	19.0	6.0	6.0

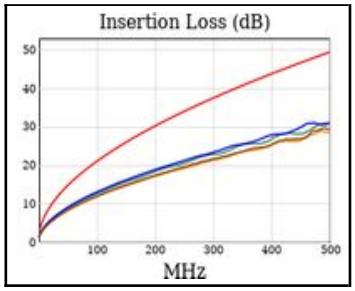
Compliant Network Standards:

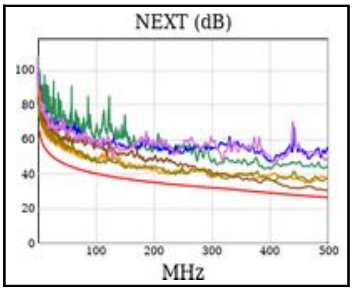
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

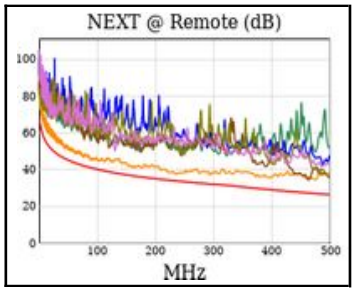


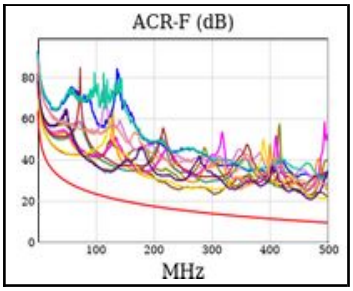
PASS

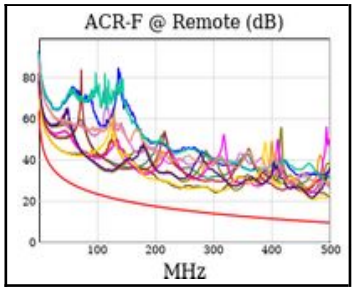


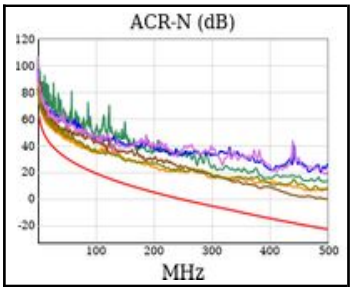


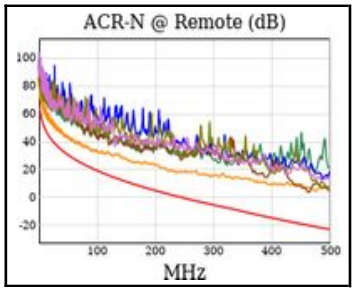


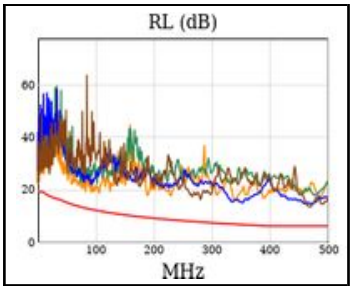


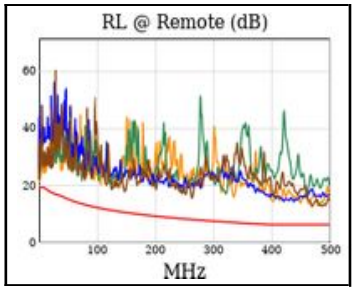












FLUKE networks

LinkWare Live

Cable ID: B103-A

Test Summary: PASS

Date / Time: 11/21/2022 06:04:51 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	286
Prop. Delay (ns), Limit 555	[Pair 3,6]	439
Delay Skew (ns), Limit 50	[Pair 3,6]	13
Resistance (ohms)	[Pair 3,6]	13.2
Insertion Loss Margin (dB)	[Pair 3,6]	10.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	5.5	3.2	5.5	6.8
Freq. (MHz)	500.0	222.5	500.0	499.0
Limit (dB)	26.1	34.0	26.1	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.9	5.5	6.9	7.8
Freq. (MHz)	500.0	222.5	500.0	497.0
Limit (dB)	23.2	31.0	23.2	23.3

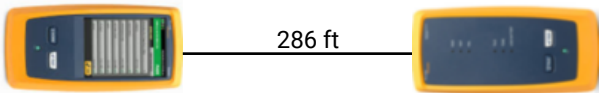
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	7,8-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	8.8	8.3	10.1	9.9
Freq. (MHz)	40.5	404.0	494.0	490.0
Limit (dB)	31.1	11.1	9.4	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.0	7.9	10.1	8.9
Freq. (MHz)	6.4	6.4	484.0	406.0
Limit (dB)	44.2	44.2	6.6	8.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	7.6	7.3	16.3	17.0
Freq. (MHz)	5.9	5.9	500.0	499.0
Limit (dB)	55.3	55.3	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.0	8.2	17.2	17.9
Freq. (MHz)	8.1	5.9	500.0	497.0
Limit (dB)	49.6	52.8	-26.1	-25.8

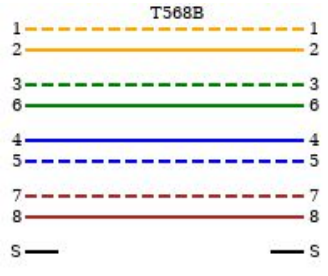
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	6.2	5.9	7.7	7.6
Freq. (MHz)	206.0	8.9	492.0	490.0
Limit (dB)	8.9	19.0	6.0	6.0

Compliant Network Standards:

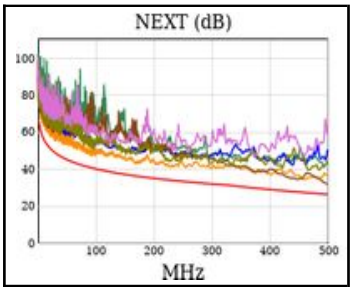
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

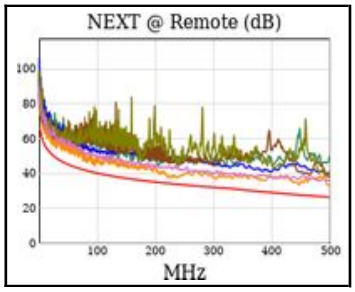


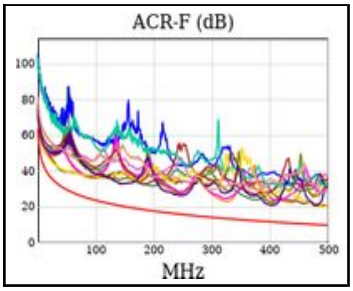
PASS

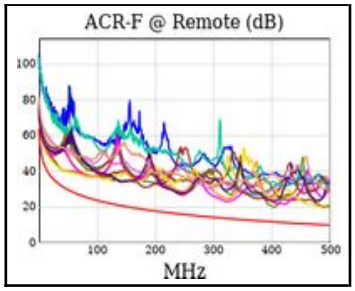


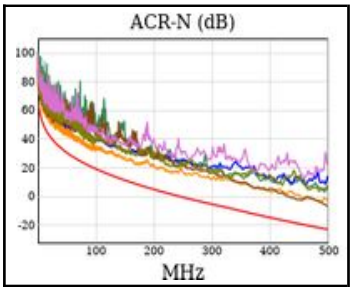


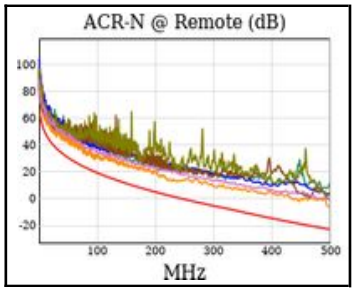


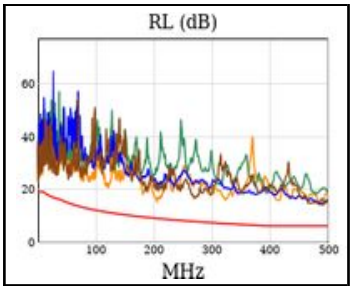


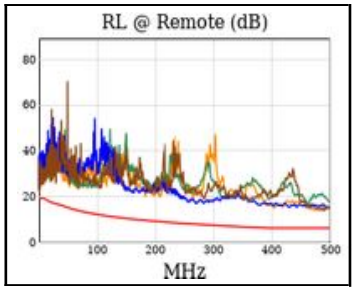












FLUKE networks

LinkWare Live

Cable ID: B103-B

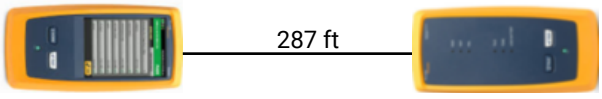
Test Summary: PASS

Date / Time: 11/21/2022 06:06:00 PM
Headroom: 2.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS MDF

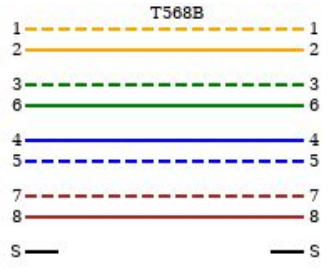
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	287
Prop. Delay (ns), Limit 555	[Pair 4,5]	446
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	10.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

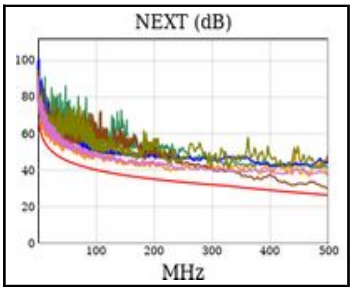


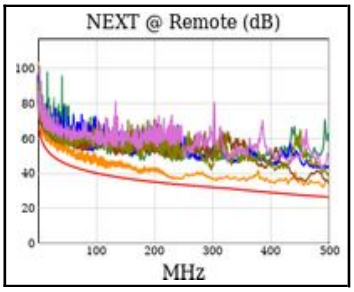
PASS



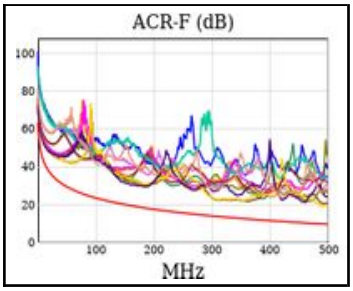


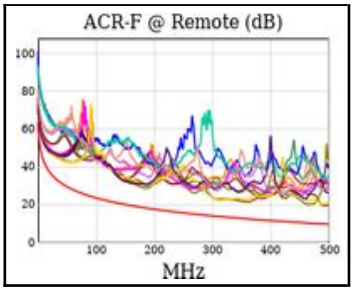
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	3.5	2.8	3.5	5.2
Freq. (MHz)	499.0	231.0	499.0	491.0
Limit (dB)	26.1	33.7	26.1	26.3
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	4.8	4.3	5.6	6.5
Freq. (MHz)	8.1	5.8	500.0	491.0
Limit (dB)	55.5	58.0	23.2	23.4



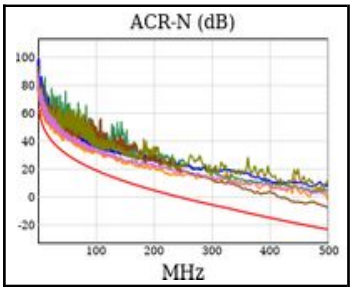


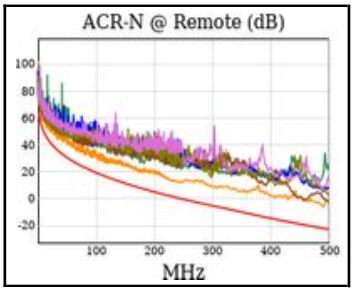
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	8.6	8.5	9.2	9.4
Freq. (MHz)	311.0	312.0	492.0	493.0
Limit (dB)	13.4	13.4	9.4	9.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	8.3	8.3	10.7	11.0
Freq. (MHz)	6.4	6.3	494.0	464.0
Limit (dB)	44.2	44.3	6.4	6.9



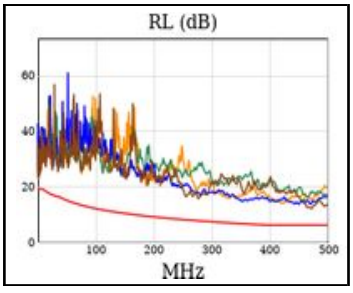


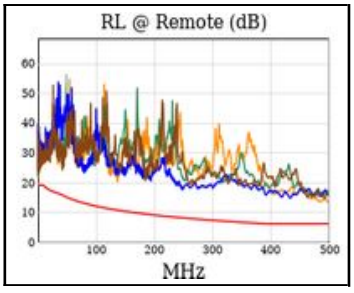
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	5.4	4.8	15.6	15.9
Freq. (MHz)	8.1	5.9	500.0	491.0
Limit (dB)	52.2	55.3	-23.2	-22.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.5	5.8	16.5	17.2
Freq. (MHz)	8.1	5.8	500.0	491.0
Limit (dB)	49.6	53.0	-26.1	-25.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.9	5.7	5.9	7.4
Freq. (MHz)	473.0	5.3	473.0	498.0
Limit (dB)	6.0	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: 8-B

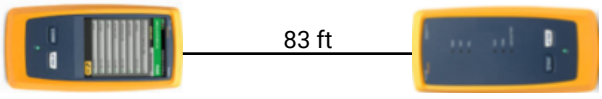
Test Summary: PASS

Date / Time: 12/18/2022 11:28:43 AM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: STARS MDF

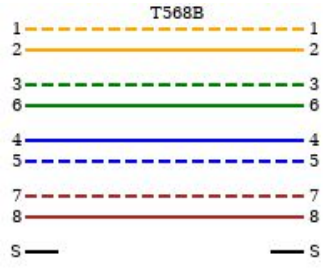
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

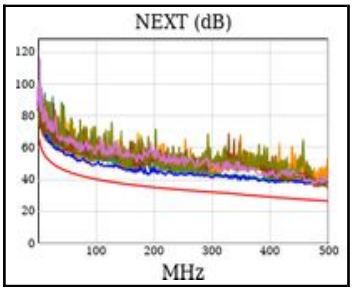
Length (ft), Limit 328	[Pair 1,2]	83
Prop. Delay (ns), Limit 555	[Pair 4,5]	132
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	4.8
Insertion Loss Margin (dB)	[Pair 4,5]	35.7
Frequency (MHz)	[Pair 4,5]	471.0
Limit (dB)	[Pair 4,5]	47.7

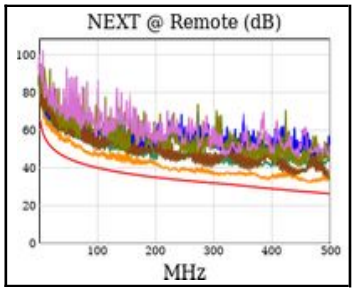


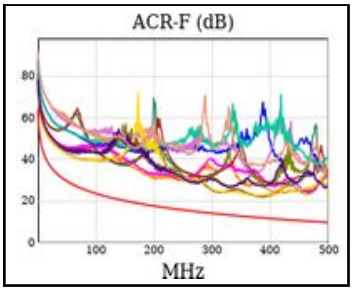
PASS

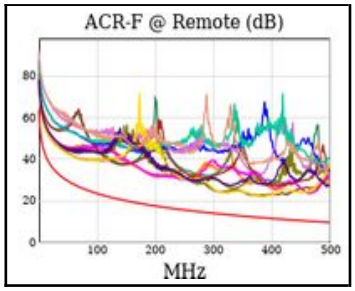


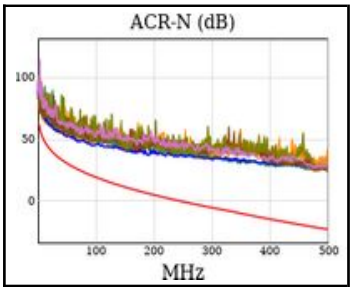


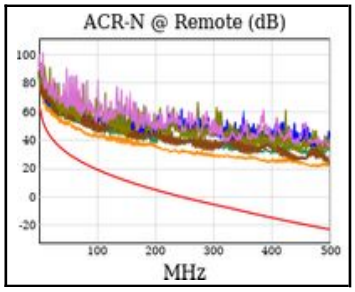


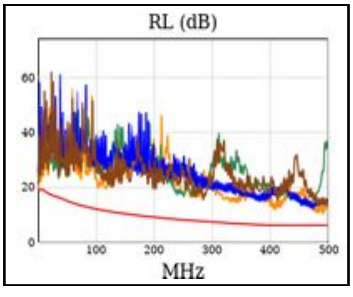


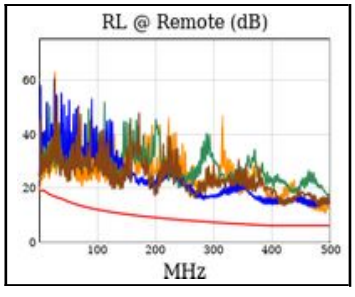












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	7.5	4.1	8.3	4.9
Freq. (MHz)	189.0	310.0	499.0	469.0
Limit (dB)	35.2	31.5	26.1	26.9
Worst Pair	1,2	3,6	4,5	3,6
PS NEXT (dB)	7.4	5.9	8.0	7.6
Freq. (MHz)	157.5	297.0	476.0	499.0
Limit (dB)	33.7	28.8	23.8	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.9	9.8	9.9	9.8
Freq. (MHz)	389.0	389.0	389.0	389.0
Limit (dB)	11.5	11.5	11.5	11.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	11.5	11.8
Freq. (MHz)	1.4	5.1	401.0	401.0
Limit (dB)	57.5	46.1	8.2	8.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
ACR-N (dB)	12.0	13.2	46.5	42.5
Freq. (MHz)	3.8	4.4	499.0	483.0
Limit (dB)	59.5	58.1	-23.1	-21.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.1	12.6	44.9	45.2
Freq. (MHz)	4.3	4.0	485.0	499.0
Limit (dB)	55.8	56.4	-24.9	-26.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.8	4.2	3.8	4.2
Freq. (MHz)	493.0	493.0	493.0	493.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: F105-1-A

Test Summary: PASS

Date / Time: 11/23/2022 03:47:26 PM
Headroom: 4.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	205
Prop. Delay (ns), Limit 555	[Pair 4,5]	324
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 4,5]	21.6
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.0	4.3	6.7	4.5
Freq. (MHz)	86.8	489.0	470.0	500.0
Limit (dB)	41.0	26.4	26.8	26.1
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	7.1	6.1	7.7	6.1
Freq. (MHz)	243.0	490.0	500.0	490.0
Limit (dB)	30.4	23.5	23.2	23.5

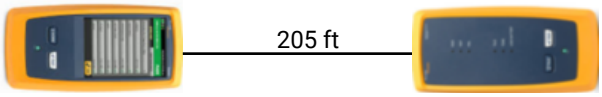
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.4	8.9	10.3	10.5
Freq. (MHz)	376.0	251.0	500.0	500.0
Limit (dB)	11.8	15.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.7	10.6	12.4	11.8
Freq. (MHz)	257.0	402.0	499.0	497.0
Limit (dB)	12.1	8.2	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	10.4	9.9	29.0	26.1
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	60.4	60.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.3	10.9	29.5	27.4
Freq. (MHz)	3.3	3.4	500.0	490.0
Limit (dB)	58.2	57.9	-26.1	-25.3

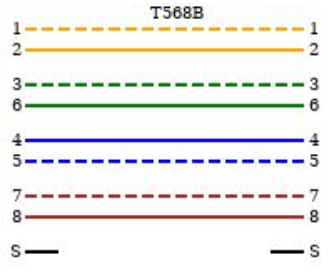
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	5.2	4.7	7.3	6.0
Freq. (MHz)	9.1	9.1	475.0	490.0
Limit (dB)	19.0	19.0	6.0	6.0

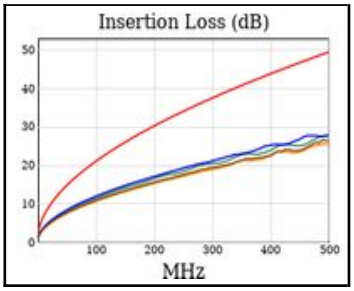
Compliant Network Standards:

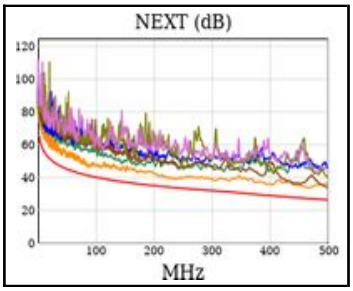
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

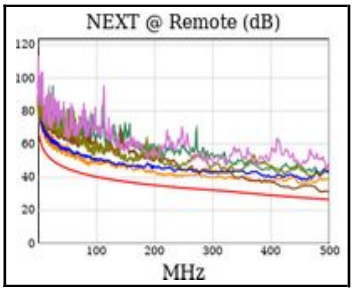


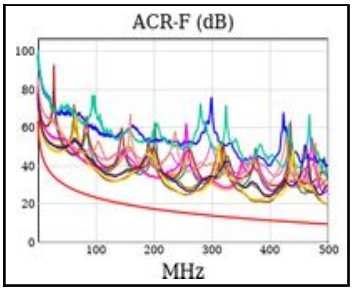
PASS

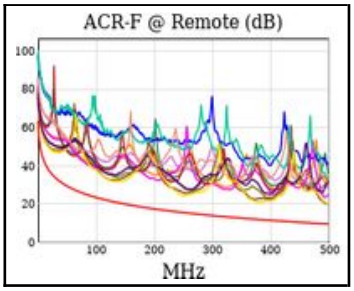


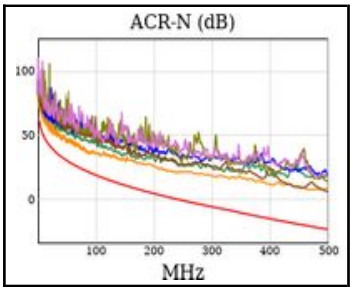


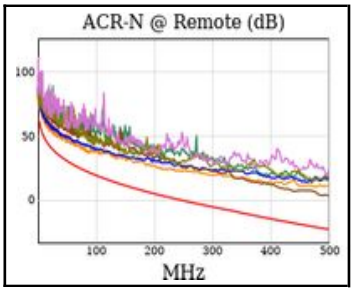


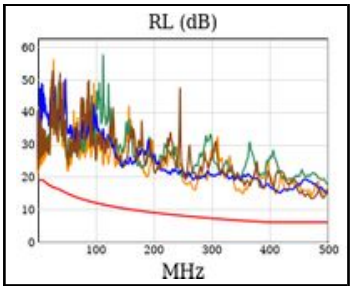


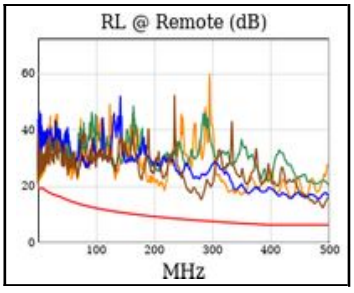












FLUKE networks

LinkWare Live

Cable ID: A136-A

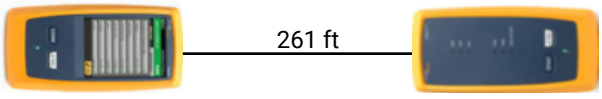
Test Summary: PASS

Date / Time: 11/22/2022 03:27:14 PM
Headroom: 3.8 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

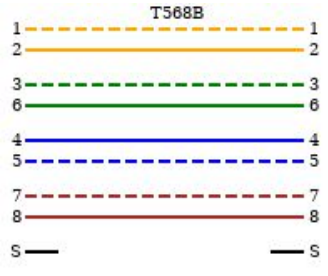
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

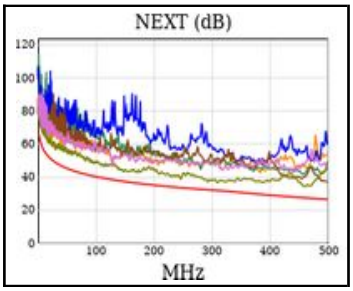
Length (ft), Limit 328	[Pair 1,2]	261
Prop. Delay (ns), Limit 555	[Pair 3,6]	404
Delay Skew (ns), Limit 50	[Pair 3,6]	14
Resistance (ohms)	[Pair 7,8]	14.1
Insertion Loss Margin (dB)	[Pair 3,6]	12.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

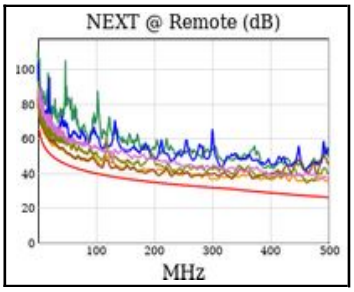


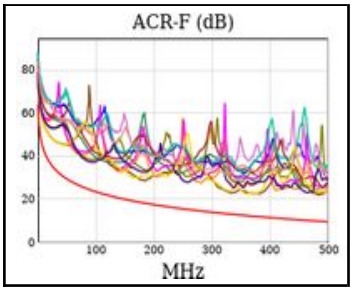
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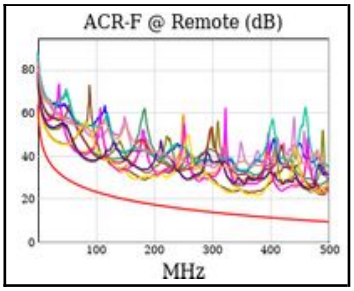


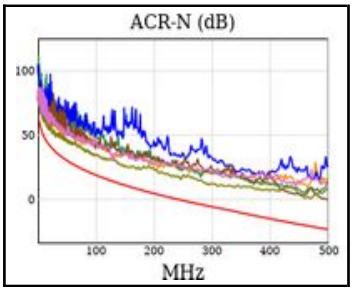


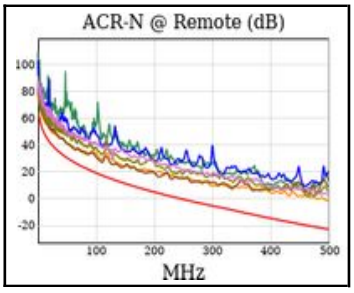


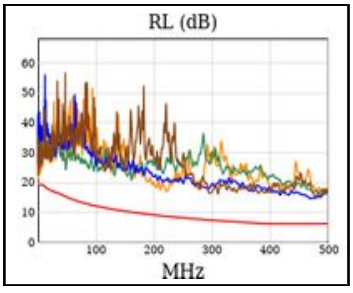


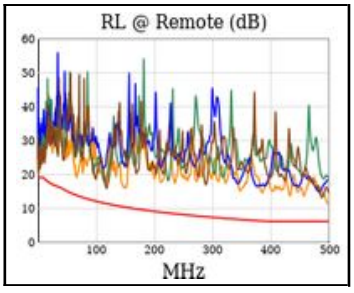












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	4.8	3.8	6.6	7.4
Freq. (MHz)	311.0	111.5	461.0	463.0
Limit (dB)	31.5	39.1	27.1	27.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.3	3.7	8.4	7.5
Freq. (MHz)	294.0	111.5	461.0	463.0
Limit (dB)	28.9	36.3	24.2	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	9.8	9.8	12.0	9.9
Freq. (MHz)	335.0	331.0	486.0	378.0
Limit (dB)	12.8	12.9	9.5	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.4	10.8	12.8	12.7
Freq. (MHz)	357.0	343.0	486.0	484.0
Limit (dB)	9.2	9.6	6.5	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	9.7	8.3	22.9	21.4
Freq. (MHz)	5.0	3.6	500.0	498.0
Limit (dB)	56.9	59.8	-23.2	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	7.4	21.2	20.9
Freq. (MHz)	5.0	5.0	461.0	478.0
Limit (dB)	54.3	54.3	-23.0	-24.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	1,2
RL (dB)	4.8	3.6	8.4	5.3
Freq. (MHz)	5.9	5.8	471.0	499.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: A136-B

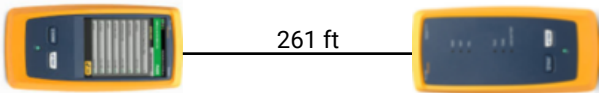
Test Summary: PASS

Date / Time: 11/22/2022 03:28:17 PM
Headroom: 4.5 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: KMS IDF1

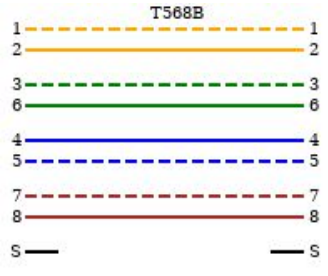
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

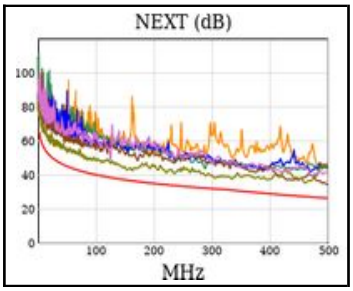
Length (ft), Limit 328	[Pair 1,2]	261
Prop. Delay (ns), Limit 555	[Pair 3,6]	404
Delay Skew (ns), Limit 50	[Pair 3,6]	14
Resistance (ohms)	[Pair 3,6]	16.9
Insertion Loss Margin (dB)	[Pair 4,5]	13.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

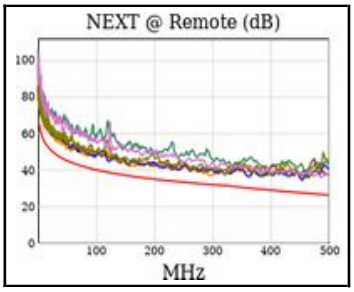


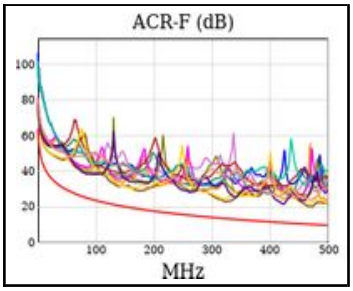
PASS

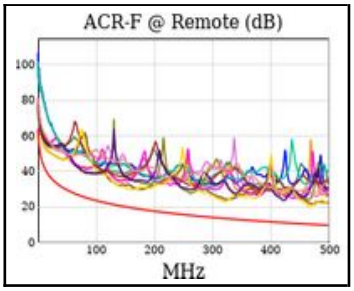


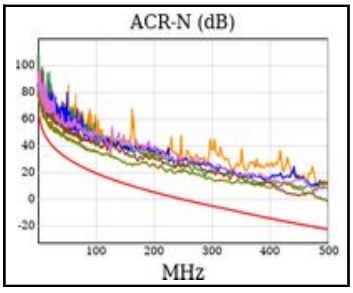


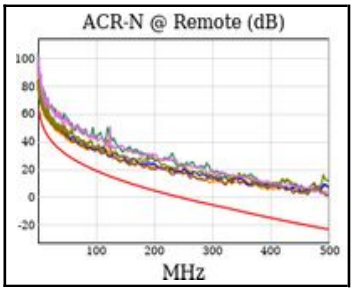


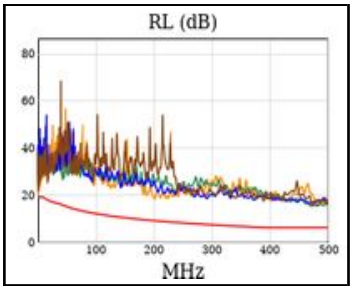


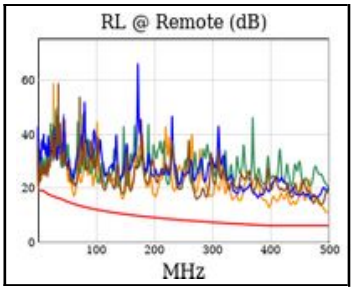












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	1,2-7,8
NEXT (dB)	5.7	4.5	7.7	7.0
Freq. (MHz)	154.5	295.0	500.0	455.0
Limit (dB)	36.7	31.9	26.1	27.2
Worst Pair	3,6	3,6	4,5	7,8
PS NEXT (dB)	8.1	4.3	9.5	6.9
Freq. (MHz)	154.5	157.5	500.0	455.0
Limit (dB)	33.8	33.7	23.2	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	9.5	9.5	10.2	10.1
Freq. (MHz)	325.0	323.0	475.0	469.0
Limit (dB)	13.0	13.1	9.7	9.8
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.7	10.9	11.4	12.2
Freq. (MHz)	1.6	2.8	471.0	473.0
Limit (dB)	56.0	51.5	6.8	6.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	9.8	9.0	20.8	24.0
Freq. (MHz)	9.0	3.6	500.0	498.0
Limit (dB)	51.2	59.8	-23.2	-23.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-N (dB)	10.2	8.1	22.6	23.6
Freq. (MHz)	3.8	3.6	500.0	500.0
Limit (dB)	57.0	57.3	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	6.4	2.9	9.1	4.9
Freq. (MHz)	5.9	63.5	471.0	497.0
Limit (dB)	19.0	14.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: ID3-1-A

Test Summary: PASS

Date / Time: 11/25/2022 06:51:11 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 3,6]	224
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	3.4	6.5	3.5
Freq. (MHz)	238.0	497.0	464.0	499.0
Limit (dB)	33.5	26.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	5.7	8.5	5.7
Freq. (MHz)	240.0	498.0	464.0	498.0
Limit (dB)	30.5	23.3	24.1	23.3

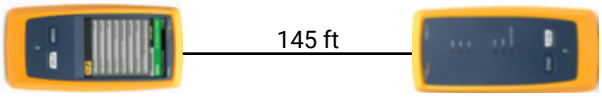
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	11.5	11.0	12.7	12.2
Freq. (MHz)	316.0	316.0	474.0	473.0
Limit (dB)	13.3	13.3	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	13.2	12.2
Freq. (MHz)	5.6	3.1	491.0	481.0
Limit (dB)	45.3	50.4	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	9.6	34.1	31.5
Freq. (MHz)	7.1	4.8	465.0	499.0
Limit (dB)	53.5	57.3	-20.4	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.8	37.1	33.4
Freq. (MHz)	4.5	4.8	498.0	498.0
Limit (dB)	55.3	54.8	-25.9	-25.9

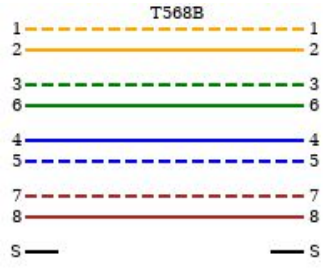
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.3	5.3	6.3	6.9
Freq. (MHz)	484.0	35.8	484.0	471.0
Limit (dB)	6.0	16.2	6.0	6.0

Compliant Network Standards:

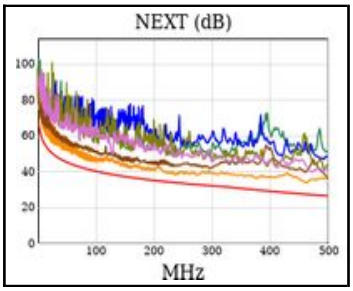
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

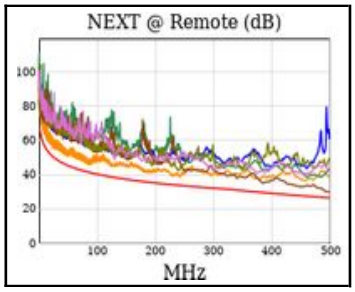


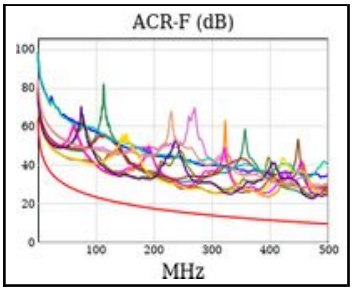
PASS

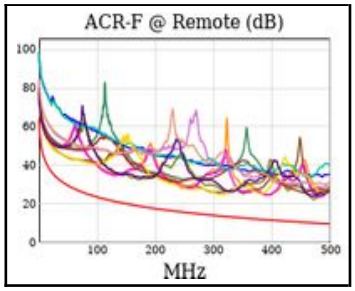


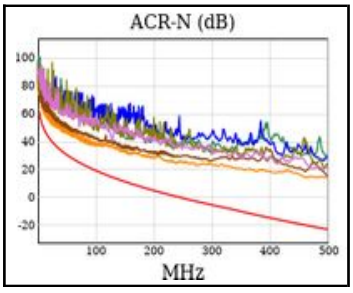


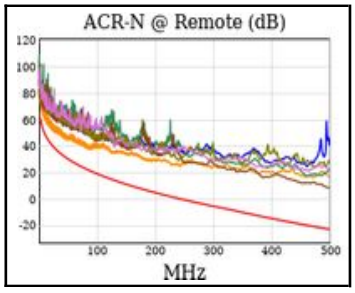


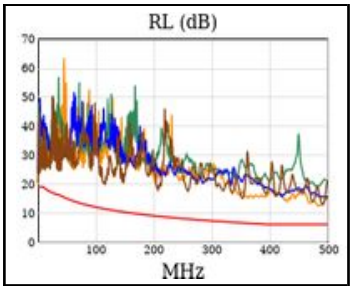


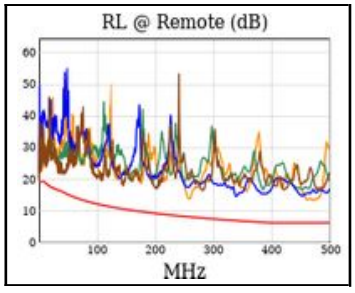












FLUKE networks

LinkWare Live

Cable ID: IDF3-1-A

Test Summary: PASS

Date / Time: 11/25/2022 06:51:11 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	145
Prop. Delay (ns), Limit 555	[Pair 3,6]	224
Delay Skew (ns), Limit 50	[Pair 3,6]	8
Resistance (ohms)	[Pair 3,6]	10.1
Insertion Loss Margin (dB)	[Pair 3,6]	27.7
Frequency (MHz)	[Pair 3,6]	498.0
Limit (dB)	[Pair 3,6]	49.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	3.4	6.5	3.5
Freq. (MHz)	238.0	497.0	464.0	499.0
Limit (dB)	33.5	26.2	27.0	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	5.7	8.5	5.7
Freq. (MHz)	240.0	498.0	464.0	498.0
Limit (dB)	30.5	23.3	24.1	23.3

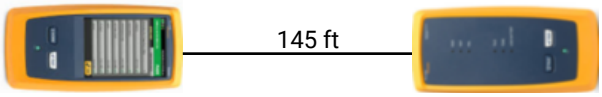
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	7,8-3,6
ACR-F (dB)	11.5	11.0	12.7	12.2
Freq. (MHz)	316.0	316.0	474.0	473.0
Limit (dB)	13.3	13.3	9.7	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.5	13.2	12.2
Freq. (MHz)	5.6	3.1	491.0	481.0
Limit (dB)	45.3	50.4	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	10.1	9.6	34.1	31.5
Freq. (MHz)	7.1	4.8	465.0	499.0
Limit (dB)	53.5	57.3	-20.4	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	10.8	37.1	33.4
Freq. (MHz)	4.5	4.8	498.0	498.0
Limit (dB)	55.3	54.8	-25.9	-25.9

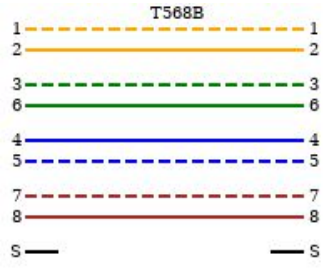
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	1,2
RL (dB)	6.3	5.3	6.3	6.9
Freq. (MHz)	484.0	35.8	484.0	471.0
Limit (dB)	6.0	16.2	6.0	6.0

Compliant Network Standards:

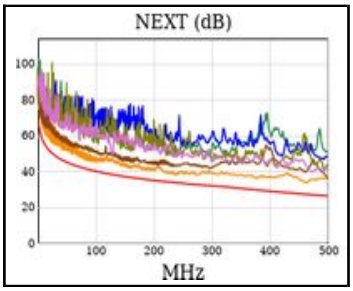
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

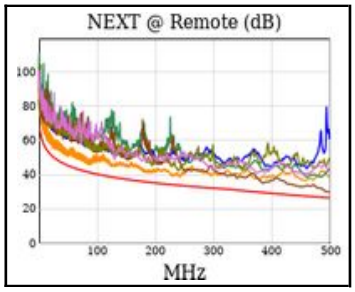


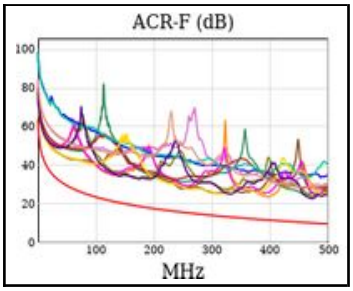
PASS

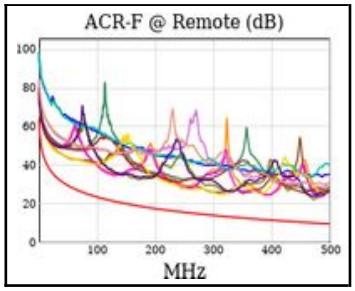


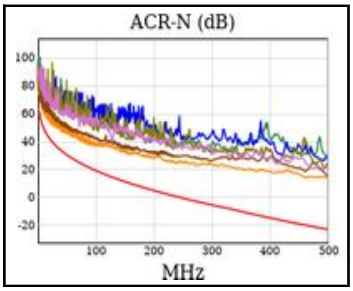


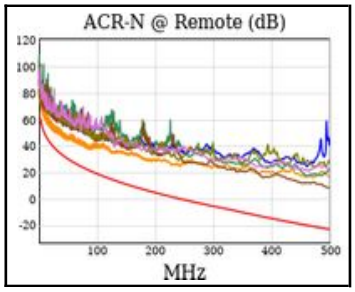


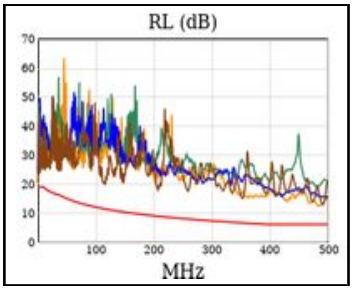


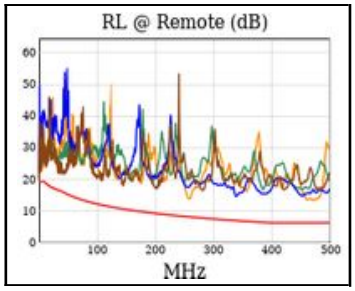












FLUKE networks

LinkWare Live

Cable ID: IDF3-2-A

Test Summary: PASS

Date / Time: 11/25/2022 06:53:51 PM
Headroom: 1.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACMS IDF1

Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	144
Prop. Delay (ns), Limit 555	[Pair 4,5]	222
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 3,6]	12.0
Insertion Loss Margin (dB)	[Pair 3,6]	28.6
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	4.9	1.4	5.0	4.0
Freq. (MHz)	385.0	234.5	492.0	500.0
Limit (dB)	29.2	33.6	26.3	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	3.3	6.5	4.8
Freq. (MHz)	233.5	327.0	492.0	500.0
Limit (dB)	30.7	28.1	23.4	23.2

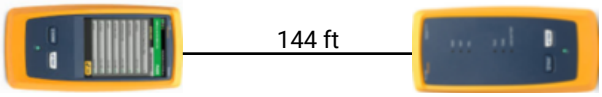
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.2	10.3	10.3	10.6
Freq. (MHz)	316.0	316.0	368.0	378.0
Limit (dB)	13.3	13.3	11.9	11.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.1	11.0	11.5	12.2
Freq. (MHz)	8.1	330.0	402.0	397.0
Limit (dB)	42.1	9.9	8.2	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	11.3	9.6	33.5	34.1
Freq. (MHz)	3.6	4.3	492.0	500.0
Limit (dB)	59.8	58.3	-22.6	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.7	9.4	35.0	33.8
Freq. (MHz)	4.4	4.4	492.0	500.0
Limit (dB)	55.6	55.6	-25.5	-26.1

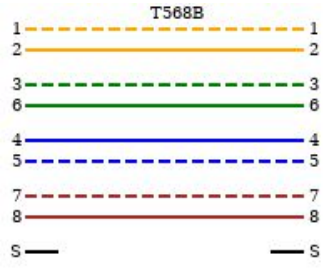
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	3,6
RL (dB)	6.8	6.0	6.8	7.5
Freq. (MHz)	477.0	15.0	477.0	460.0
Limit (dB)	6.0	18.1	6.0	6.0

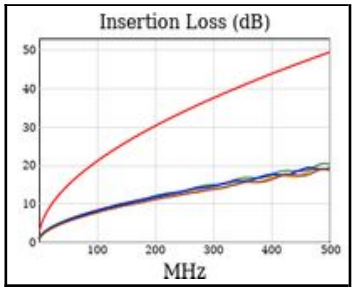
Compliant Network Standards:

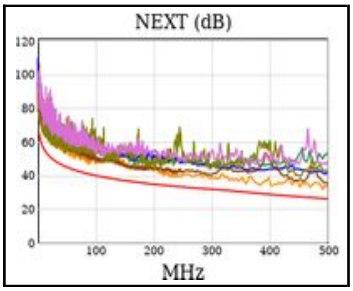
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

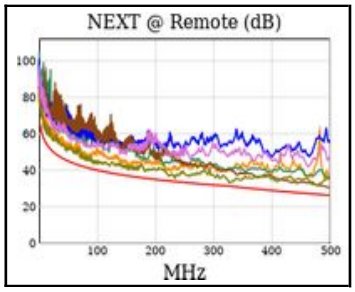


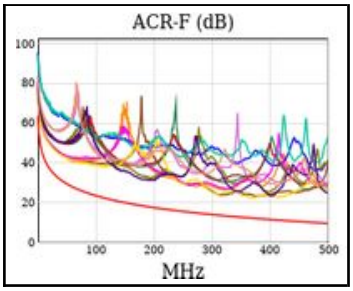
PASS

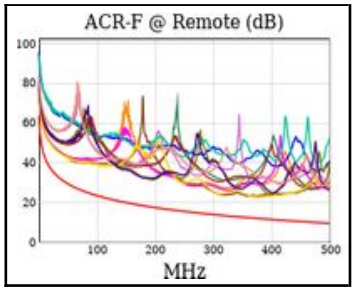


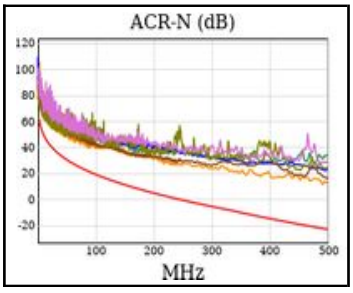


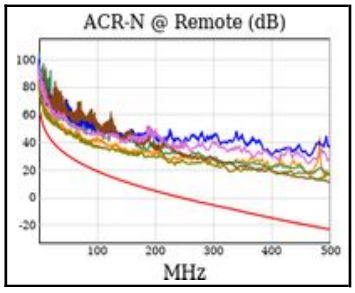


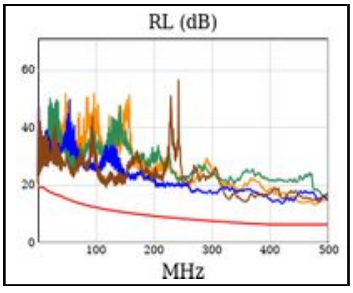


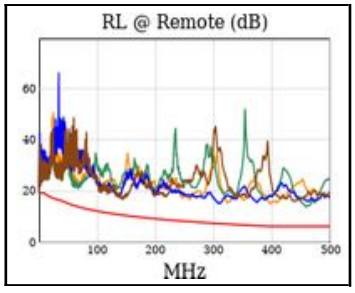












FLUKE networks

LinkWare Live

Cable ID: IDF121-1

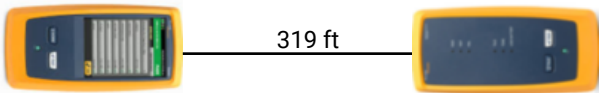
Test Summary: PASS

Date / Time: 11/27/2022 01:11:03 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

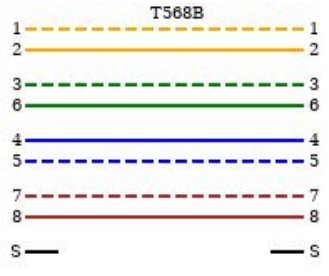
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

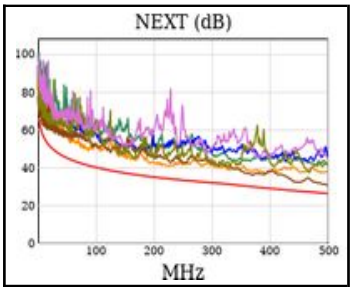
Length (ft), Limit 328	[Pair 1,2]	319
Prop. Delay (ns), Limit 555	[Pair 4,5]	503
Delay Skew (ns), Limit 50	[Pair 4,5]	28
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 3,6]	6.1
Frequency (MHz)	[Pair 3,6]	499.0
Limit (dB)	[Pair 3,6]	49.3

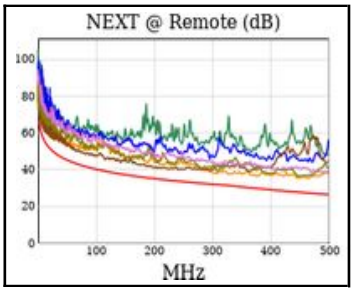


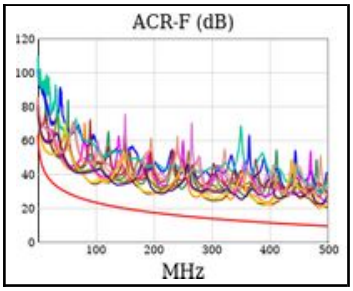
PASS

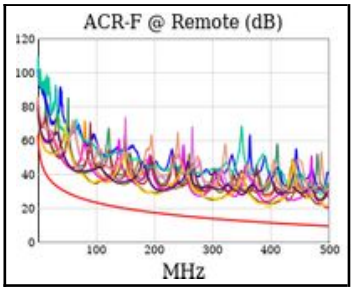


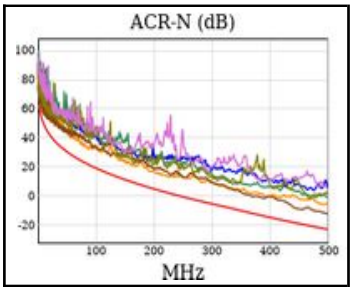


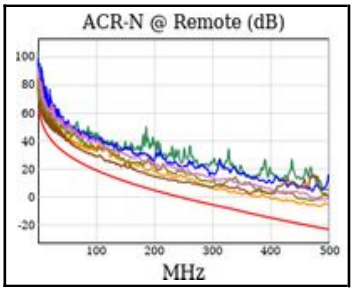


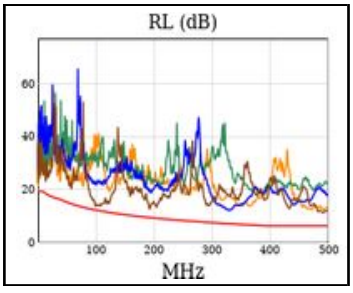


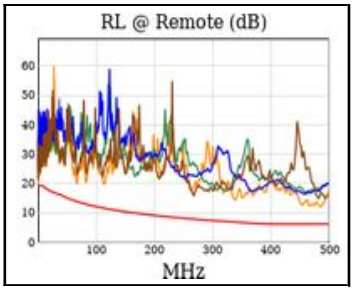












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	3.7	4.3	8.1
Freq. (MHz)	3.5	3.0	500.0	466.0
Limit (dB)	64.0	65.0	26.1	26.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.8	4.6	6.1	7.9
Freq. (MHz)	7.5	5.0	500.0	447.0
Limit (dB)	56.1	59.0	23.2	24.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-F (dB)	10.1	9.5	10.1	10.5
Freq. (MHz)	486.0	398.0	486.0	499.0
Limit (dB)	9.5	11.3	9.5	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.7	9.9	10.7
Freq. (MHz)	488.0	499.0	488.0	499.0
Limit (dB)	6.5	6.3	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	4.7	4.3	10.4	15.0
Freq. (MHz)	3.5	3.0	500.0	481.0
Limit (dB)	60.1	61.4	-23.2	-21.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.5	5.5	12.3	16.2
Freq. (MHz)	3.4	5.0	500.0	481.0
Limit (dB)	57.9	54.3	-26.1	-24.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	1.4	3.8	4.9	5.9
Freq. (MHz)	100.0	4.6	492.0	486.0
Limit (dB)	12.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: IDF121-2

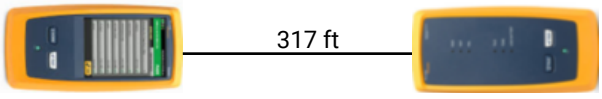
Test Summary: PASS

Date / Time: 11/27/2022 01:12:50 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: MONACO MDF

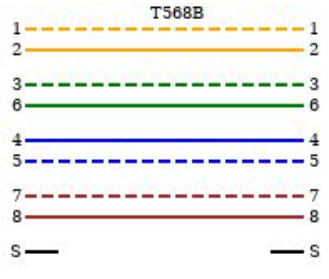
Operator: LUNA
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

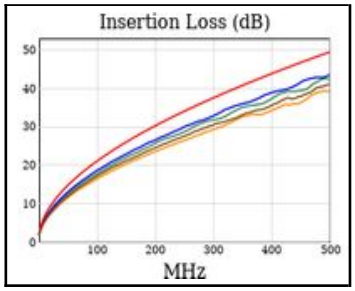
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	317
Prop. Delay (ns), Limit 555	[Pair 4,5]	503
Delay Skew (ns), Limit 50	[Pair 4,5]	30
Resistance (ohms)	[Pair 3,6]	14.7
Insertion Loss Margin (dB)	[Pair 4,5]	5.9
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

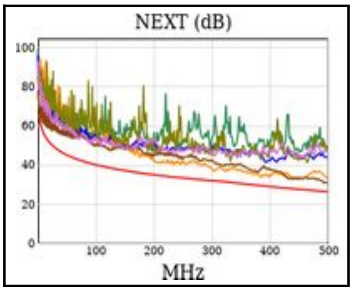


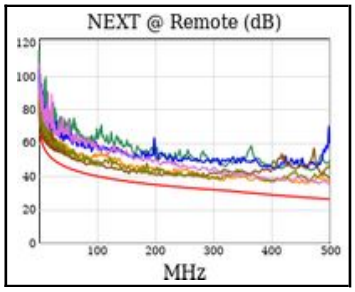
PASS



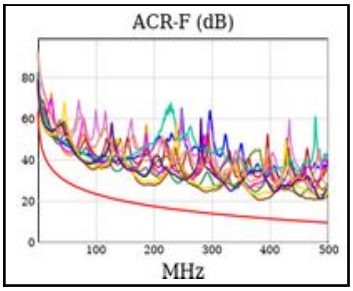


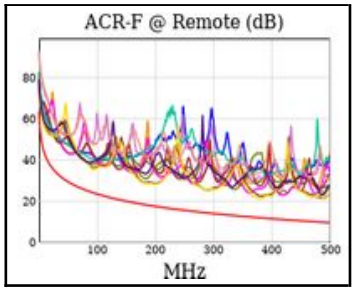
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	3.4	3.2	4.2	9.2
Freq. (MHz)	4.5	7.0	494.0	500.0
Limit (dB)	62.2	59.1	26.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	4.8	4.1	5.4	7.5
Freq. (MHz)	449.0	7.0	499.0	399.0
Limit (dB)	24.5	56.6	23.3	25.8



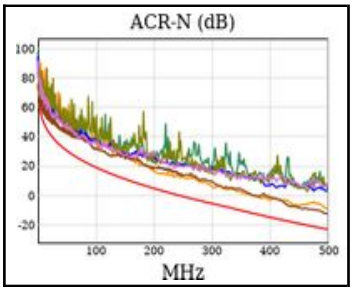


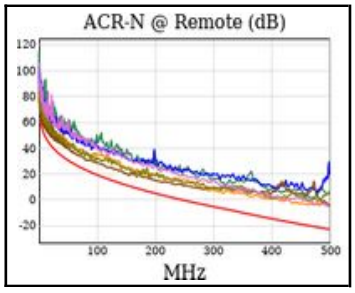
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.7	9.2	8.7	9.3
Freq. (MHz)	383.0	380.0	383.0	383.0
Limit (dB)	11.6	11.7	11.6	11.6
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-F (dB)	10.2	11.0	11.8	12.5
Freq. (MHz)	382.0	380.0	491.0	491.0
Limit (dB)	8.6	8.7	6.4	6.4



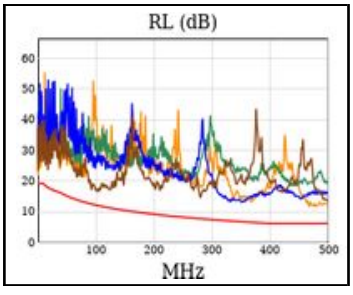


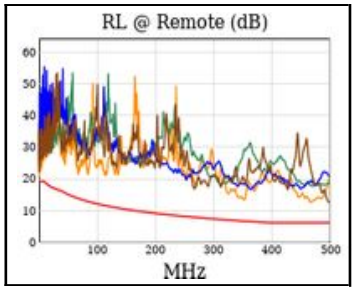
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	4.1	3.8	10.4	17.4
Freq. (MHz)	4.5	3.0	498.0	500.0
Limit (dB)	57.8	61.4	-23.1	-23.2
Worst Pair	4,5	3,6	3,6	4,5
PS ACR-N (dB)	5.9	4.9	12.4	16.2
Freq. (MHz)	4.5	4.0	499.0	500.0
Limit (dB)	55.3	56.4	-26.0	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	7,8
RL (dB)	4.5	3.4	5.3	6.4
Freq. (MHz)	104.5	3.6	468.0	499.0
Limit (dB)	11.8	19.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: F105-1-B

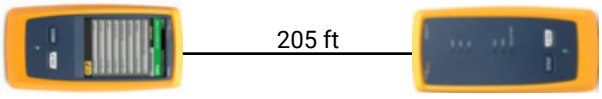
Test Summary: PASS

Date / Time: 11/23/2022 03:55:43 PM
Headroom: 3.6 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

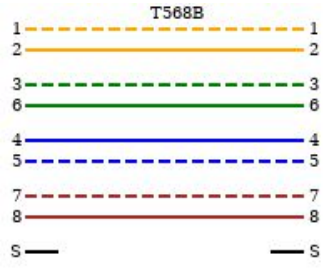
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

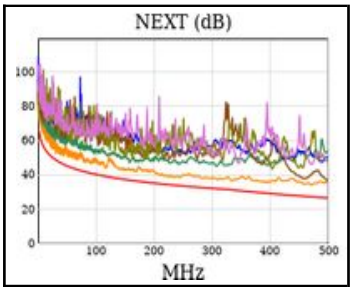
Length (ft), Limit 328	[Pair 1,2]	205
Prop. Delay (ns), Limit 555	[Pair 4,5]	323
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	11.0
Insertion Loss Margin (dB)	[Pair 3,6]	21.5
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

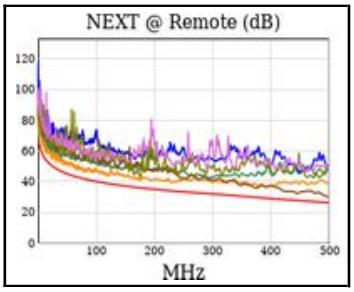


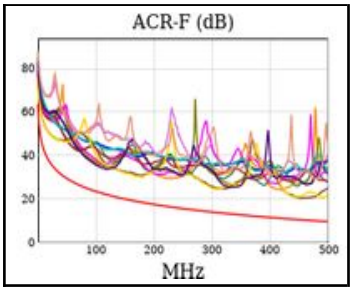
PASS

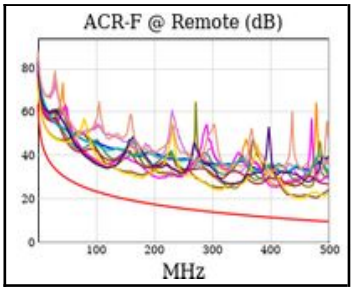


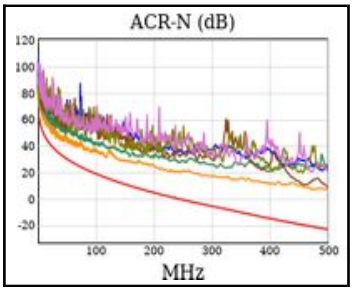


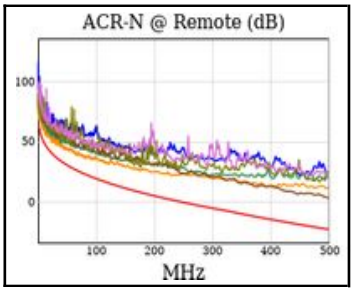


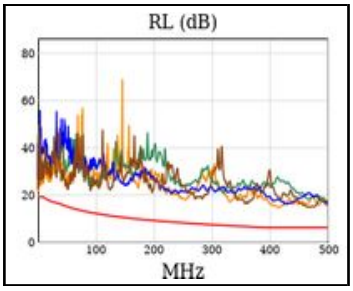


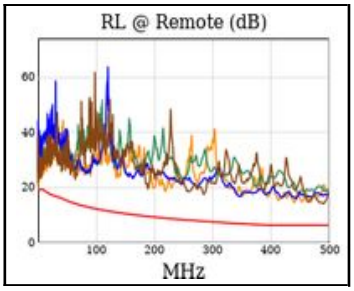












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	3.7	3.6	6.8	3.6
Freq. (MHz)	32.0	500.0	473.0	500.0
Limit (dB)	48.2	26.1	26.8	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.1	5.5	8.3	6.0
Freq. (MHz)	32.0	176.5	462.0	500.0
Limit (dB)	45.5	32.8	24.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.0	9.7	10.1	9.8
Freq. (MHz)	457.0	452.0	458.0	453.0
Limit (dB)	10.1	10.2	10.0	10.1
Worst Pair	3,6	3,6	4,5	4,5
PS ACR-F (dB)	10.9	11.2	11.8	11.6
Freq. (MHz)	117.5	115.5	454.0	453.0
Limit (dB)	18.9	19.0	7.1	7.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	8.1	6.2	27.9	25.8
Freq. (MHz)	3.4	3.1	473.0	500.0
Limit (dB)	60.4	61.1	-21.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.4	8.1	30.8	27.5
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	57.9	57.9	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	5.9	5.3	8.3	7.8
Freq. (MHz)	10.8	9.0	415.0	491.0
Limit (dB)	18.8	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: F105-2-A

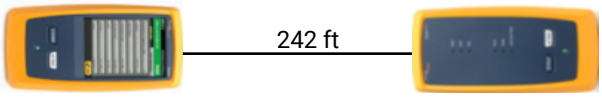
Test Summary: PASS

Date / Time: 11/23/2022 04:03:07 PM
Headroom: 3.7 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

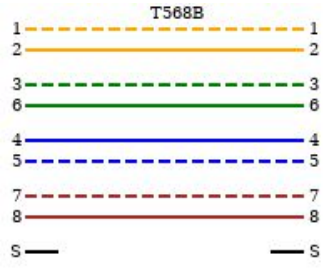
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

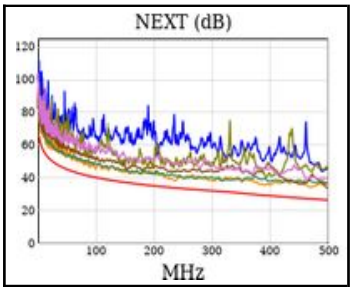
Length (ft), Limit 328	[Pair 1,2]	242
Prop. Delay (ns), Limit 555	[Pair 4,5]	382
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	10.9
Insertion Loss Margin (dB)	[Pair 3,6]	16.3
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

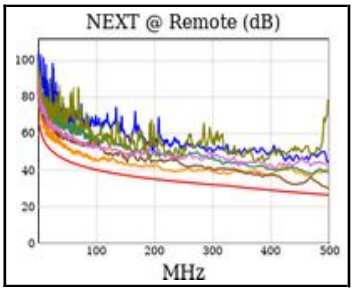


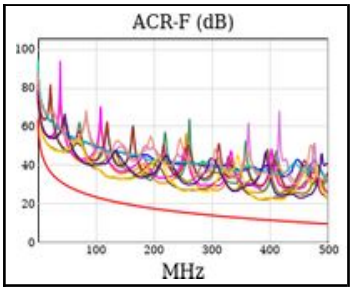
PASS

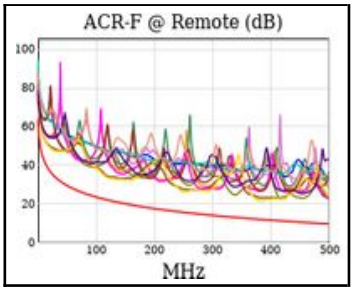


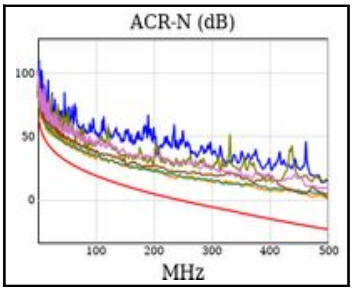


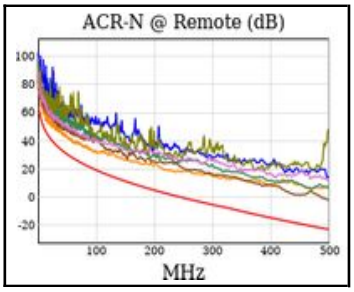


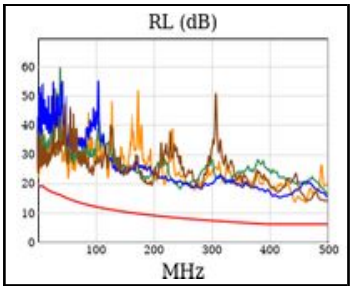


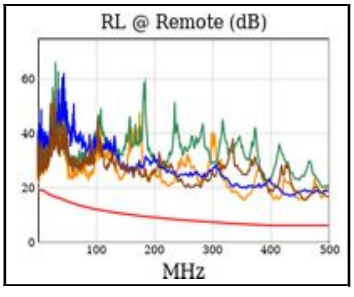












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.5	3.7	7.3	3.7
Freq. (MHz)	238.0	500.0	500.0	500.0
Limit (dB)	33.5	26.1	26.1	26.1
Worst Pair	1,2	4,5	4,5	4,5
PS NEXT (dB)	5.7	5.8	7.9	5.8
Freq. (MHz)	238.0	500.0	500.0	500.0
Limit (dB)	30.5	23.2	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	10.3	9.5	10.6	9.5
Freq. (MHz)	384.0	384.0	417.0	384.0
Limit (dB)	11.6	11.6	10.9	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.0	11.7	11.7
Freq. (MHz)	1.8	419.0	427.0	500.0
Limit (dB)	55.4	7.8	7.6	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	8.3	7.5	24.3	20.7
Freq. (MHz)	5.5	14.1	500.0	500.0
Limit (dB)	56.0	46.4	-23.2	-23.2
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	9.7	9.4	24.7	22.8
Freq. (MHz)	5.5	14.1	500.0	500.0
Limit (dB)	53.4	43.8	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	6.1	5.8	7.3	8.7
Freq. (MHz)	7.6	7.6	463.0	355.0
Limit (dB)	19.0	19.0	6.0	6.5

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: F105-2-B

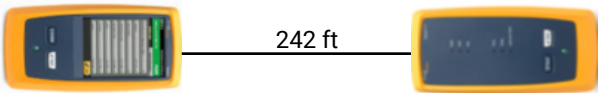
Test Summary: PASS

Date / Time: 11/23/2022 04:03:44 PM
Headroom: 3.9 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS F173

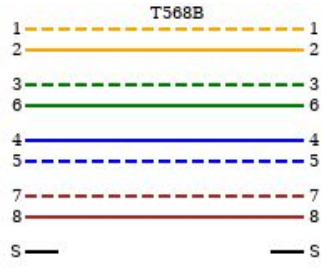
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

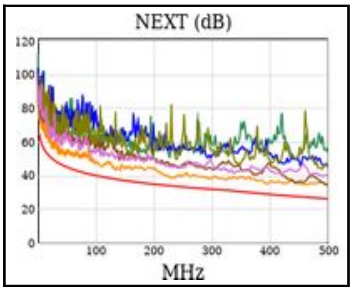
Length (ft), Limit 328	[Pair 1,2]	242
Prop. Delay (ns), Limit 555	[Pair 4,5]	383
Delay Skew (ns), Limit 50	[Pair 4,5]	22
Resistance (ohms)	[Pair 4,5]	11.0
Insertion Loss Margin (dB)	[Pair 4,5]	16.8
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

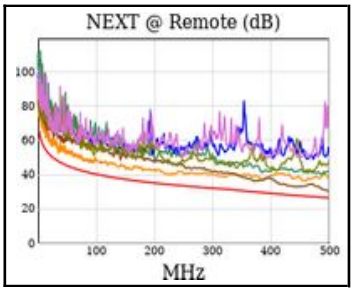


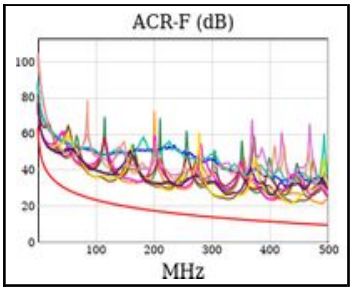
PASS

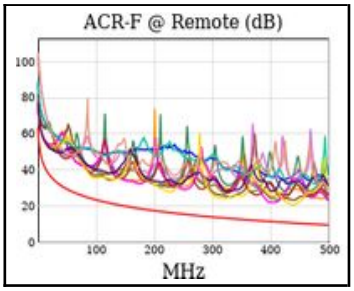


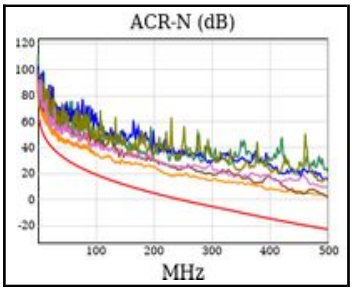


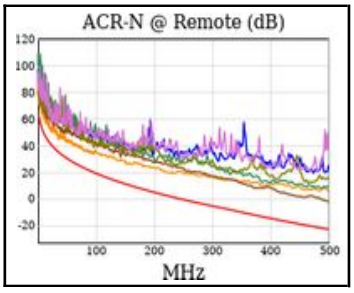


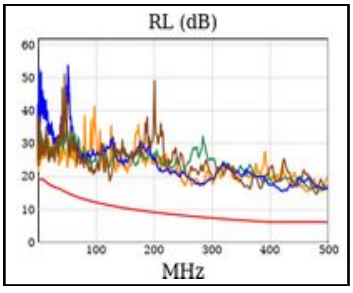


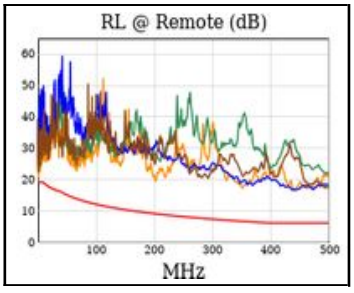












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.5	3.9	7.9	3.9
Freq. (MHz)	229.5	500.0	500.0	500.0
Limit (dB)	33.8	26.1	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	6.9	6.0	8.0	6.0
Freq. (MHz)	232.5	500.0	500.0	500.0
Limit (dB)	30.7	23.2	23.2	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-F (dB)	10.8	10.0	11.8	10.1
Freq. (MHz)	331.0	441.0	491.0	442.0
Limit (dB)	12.9	10.4	9.4	10.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.7	10.8	12.4	10.8
Freq. (MHz)	327.0	411.0	435.0	411.0
Limit (dB)	10.0	8.0	7.5	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.8	9.2	24.7	20.7
Freq. (MHz)	38.5	35.5	500.0	500.0
Limit (dB)	34.1	35.2	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	12.0	10.7	25.4	23.3
Freq. (MHz)	4.3	3.0	500.0	500.0
Limit (dB)	55.8	58.4	-26.1	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	6.0	5.7	8.4	10.4
Freq. (MHz)	7.6	7.6	481.0	441.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: GHALL-1-A

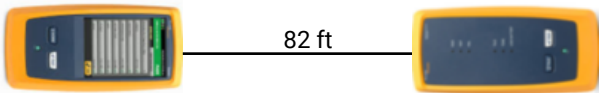
Test Summary: PASS

Date / Time: 12/18/2022 05:27:12 PM
Headroom: 3.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

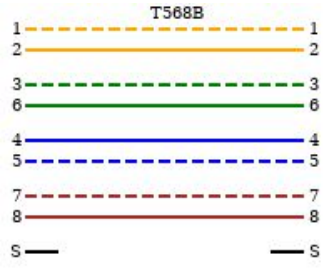
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	82
Prop. Delay (ns), Limit 555	[Pair 4,5]	129
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 3,6]	36.5
Frequency (MHz)	[Pair 3,6]	496.0
Limit (dB)	[Pair 3,6]	49.1



PASS

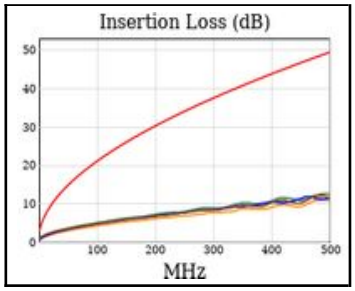


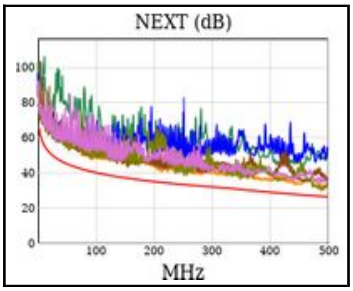
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	3.3	6.1	3.3	9.2
Freq. (MHz)	493.0	146.0	493.0	497.0
Limit (dB)	26.3	37.1	26.3	26.2
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	3.8	6.8	3.8	9.2
Freq. (MHz)	493.0	266.0	493.0	498.0
Limit (dB)	23.4	29.7	23.4	23.3

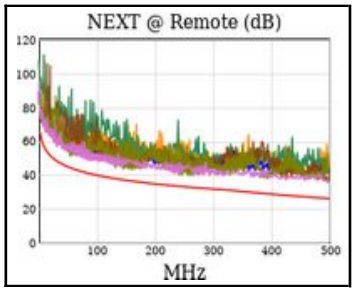
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	10.8	10.6	10.8	10.6
Freq. (MHz)	489.0	490.0	489.0	490.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	12.8	12.7	12.8	12.7
Freq. (MHz)	489.0	490.0	489.0	490.0
Limit (dB)	6.5	6.5	6.5	6.5

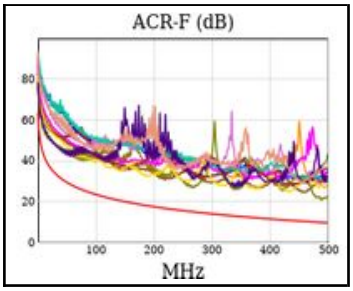
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.5	12.0	39.8	47.1
Freq. (MHz)	3.5	4.0	489.0	497.0
Limit (dB)	60.1	58.9	-22.3	-23.0
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-N (dB)	10.5	12.4	40.2	47.0
Freq. (MHz)	3.5	4.0	493.0	498.0
Limit (dB)	57.6	56.4	-25.5	-25.9

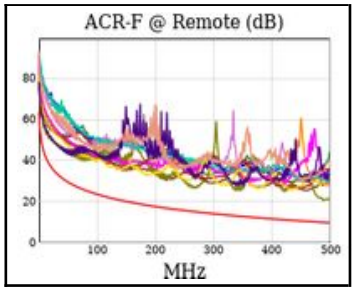
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	1,2
RL (dB)	4.1	4.4	4.5	5.3
Freq. (MHz)	105.0	104.0	484.0	484.0
Limit (dB)	11.8	11.8	6.0	6.0

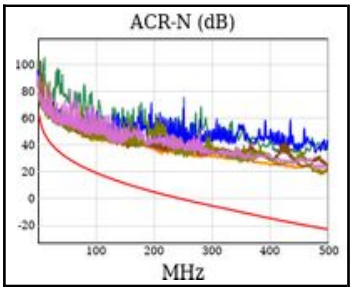


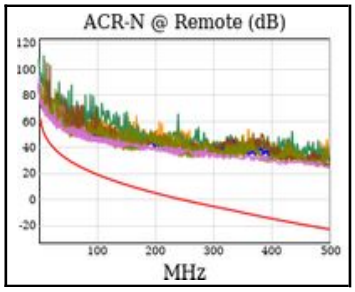


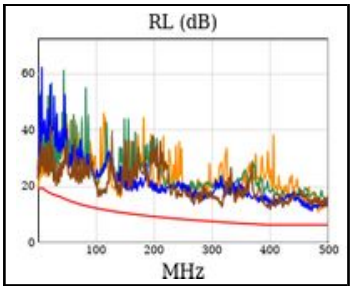


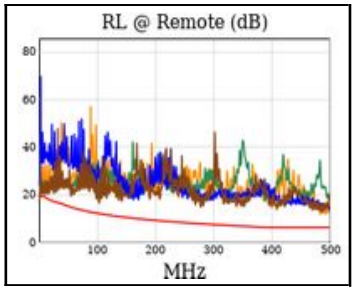












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: GHALL-1-B

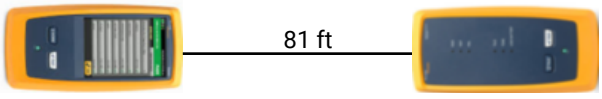
Test Summary: PASS

Date / Time: 12/18/2022 05:27:45 PM
Headroom: 3.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

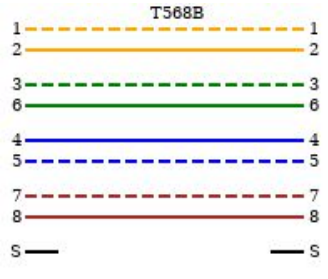
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	81
Prop. Delay (ns), Limit 555	[Pair 4,5]	128
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	13.7
Insertion Loss Margin (dB)	[Pair 3,6]	36.6
Frequency (MHz)	[Pair 3,6]	494.0
Limit (dB)	[Pair 3,6]	49.0



PASS

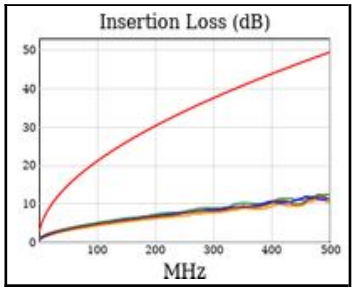


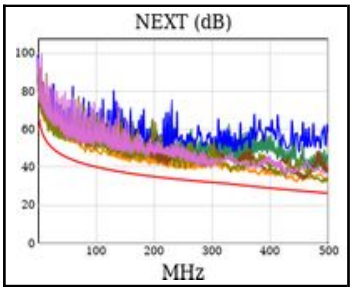
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-7,8	1,2-4,5
NEXT (dB)	4.6	3.4	5.2	9.2
Freq. (MHz)	448.0	258.0	491.0	493.0
Limit (dB)	27.4	32.9	26.3	26.3
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	5.3	5.7	5.6	8.2
Freq. (MHz)	457.0	184.5	496.0	461.0
Limit (dB)	24.3	32.5	23.3	24.2

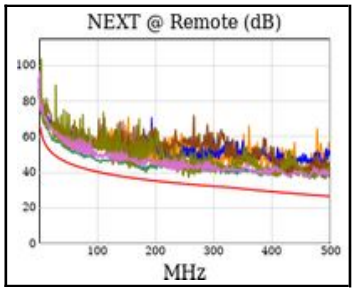
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	1,2-4,5	1,2-4,5
ACR-F (dB)	11.3	11.0	14.1	13.9
Freq. (MHz)	263.0	268.0	462.0	456.0
Limit (dB)	14.9	14.7	10.0	10.1
Worst Pair	7,8	3,6	4,5	3,6
PS ACR-F (dB)	14.0	12.5	14.4	14.4
Freq. (MHz)	263.0	263.0	463.0	427.0
Limit (dB)	11.9	11.9	6.9	7.6

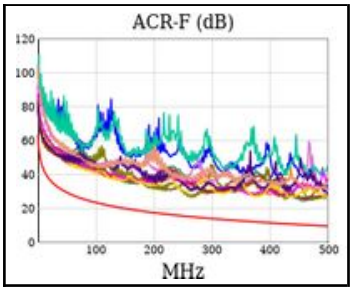
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-4,5	3,6-7,8	1,2-4,5
ACR-N (dB)	11.2	13.2	42.5	45.3
Freq. (MHz)	3.6	3.4	491.0	475.0
Limit (dB)	59.8	60.4	-22.5	-21.2
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-N (dB)	10.9	11.8	42.5	43.9
Freq. (MHz)	3.6	4.0	496.0	461.0
Limit (dB)	57.3	56.4	-25.8	-23.0

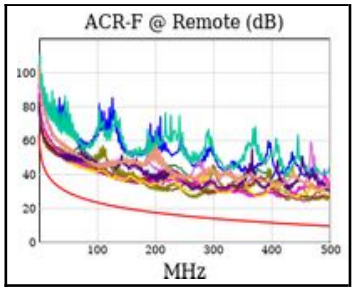
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	7,8
RL (dB)	4.9	3.2	4.9	5.5
Freq. (MHz)	476.0	105.5	476.0	484.0
Limit (dB)	6.0	11.8	6.0	6.0

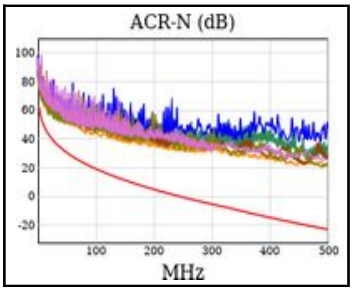


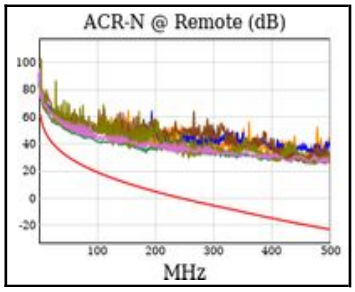


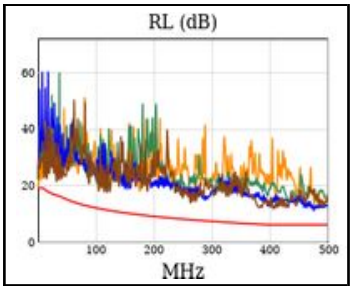


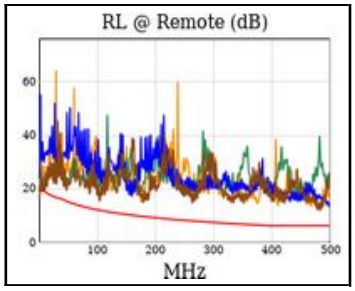












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: GHALL-2-A

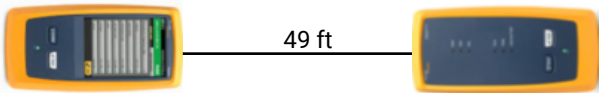
Test Summary: PASS

Date / Time: 12/18/2022 05:23:03 PM
Headroom: 3.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

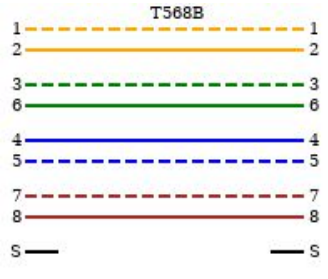
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

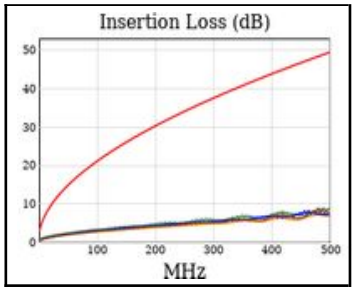
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

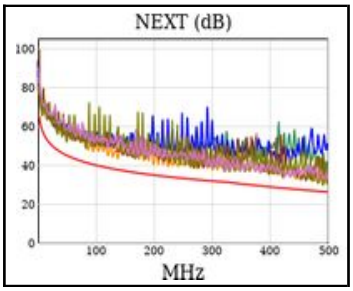
Length (ft), Limit 328	[Pair 1,2]	49
Prop. Delay (ns), Limit 555	[Pair 4,5]	77
Delay Skew (ns), Limit 50	[Pair 4,5]	4
Resistance (ohms)	[Pair 3,6]	8.4
Insertion Loss Margin (dB)	[Pair 3,6]	40.0
Frequency (MHz)	[Pair 3,6]	490.0
Limit (dB)	[Pair 3,6]	48.8

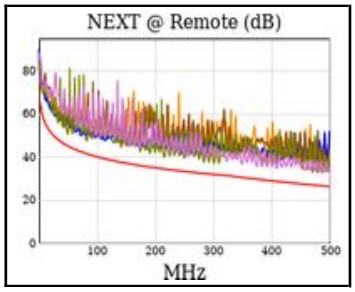


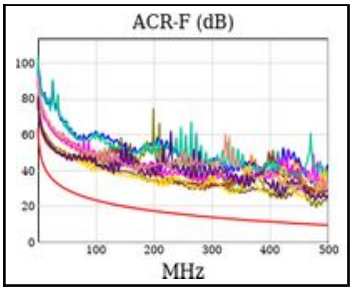
PASS

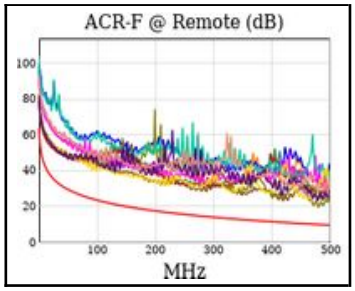


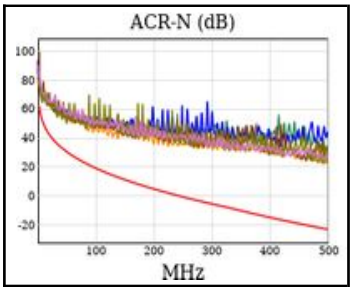


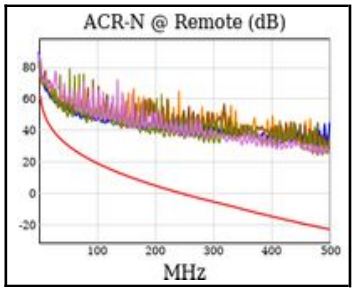


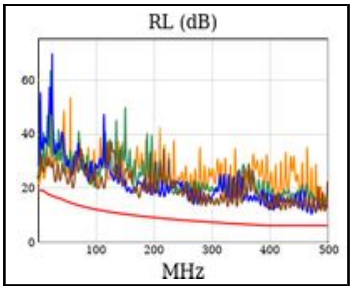


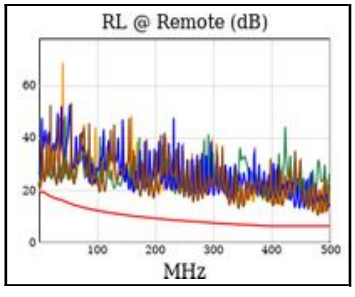












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.2	4.9	3.2	5.9
Freq. (MHz)	492.0	284.0	492.0	488.0
Limit (dB)	26.3	32.2	26.3	26.4
Worst Pair	3,6	7,8	3,6	4,5
PS NEXT (dB)	4.2	6.0	4.3	6.3
Freq. (MHz)	494.0	410.0	495.0	499.0
Limit (dB)	23.4	25.5	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	9.6	9.7	9.6	9.7
Freq. (MHz)	481.0	481.0	481.0	481.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	11.7	11.4	11.7	11.4
Freq. (MHz)	480.0	481.0	480.0	481.0
Limit (dB)	6.6	6.6	6.6	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	3,6-7,8
ACR-N (dB)	12.5	12.8	44.7	45.4
Freq. (MHz)	8.0	3.6	492.0	480.0
Limit (dB)	52.4	59.8	-22.6	-21.6
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	11.2	13.0	45.1	45.6
Freq. (MHz)	6.6	6.5	495.0	480.0
Limit (dB)	51.7	51.8	-25.7	-24.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	7,8
RL (dB)	4.2	4.0	4.2	4.0
Freq. (MHz)	473.0	480.0	473.0	480.0
Limit (dB)	6.0	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: GHALL-2-B

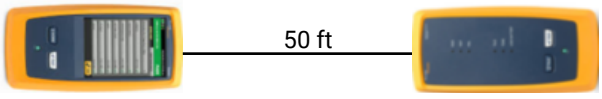
Test Summary: PASS

Date / Time: 12/18/2022 05:23:30 PM
Headroom: 3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

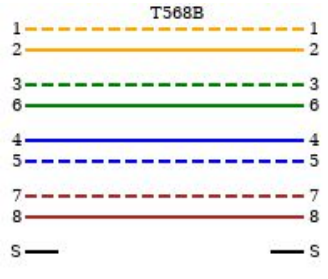
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

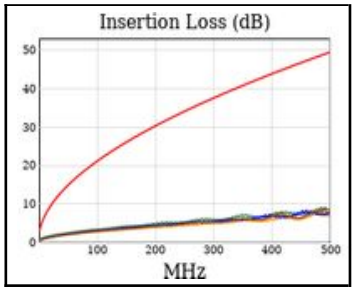
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	50
Prop. Delay (ns), Limit 555	[Pair 4,5]	79
Delay Skew (ns), Limit 50	[Pair 4,5]	5
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	40.0
Frequency (MHz)	[Pair 3,6]	493.0
Limit (dB)	[Pair 3,6]	48.9

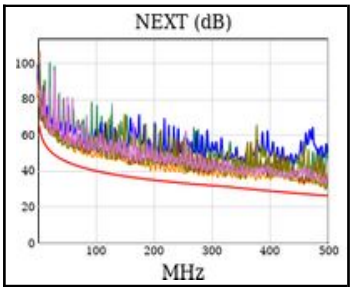


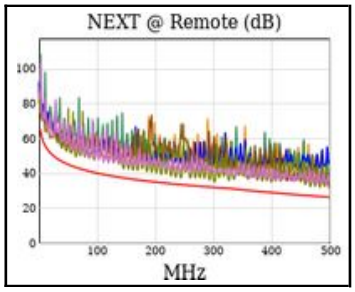
PASS



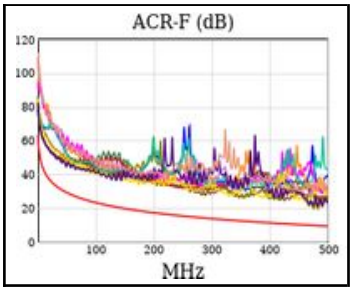


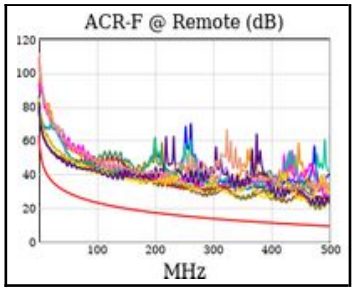
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	3.3	3.0	3.3	5.2
Freq. (MHz)	497.0	302.0	497.0	500.0
Limit (dB)	26.2	31.7	26.2	26.1
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	3.7	4.8	3.7	6.5
Freq. (MHz)	498.0	302.0	498.0	500.0
Limit (dB)	23.3	28.7	23.3	23.2



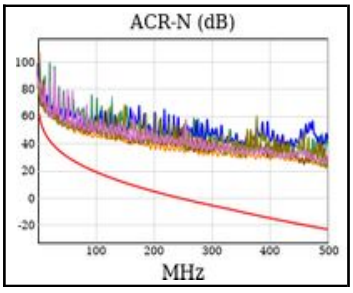


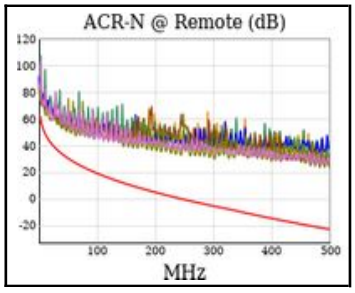
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	9.8	9.5	9.8	9.5
Freq. (MHz)	484.0	484.0	484.0	484.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-F (dB)	12.3	10.8	12.4	10.8
Freq. (MHz)	476.0	484.0	483.0	484.0
Limit (dB)	6.7	6.6	6.6	6.6



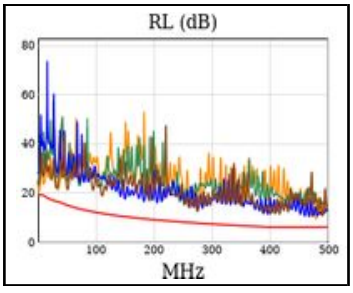


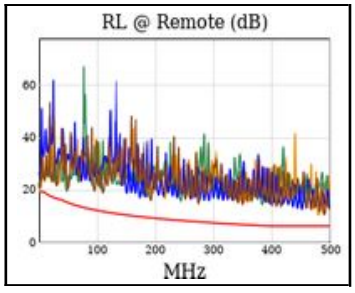
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-7,8	3,6-7,8
ACR-N (dB)	12.5	13.7	44.9	45.2
Freq. (MHz)	6.1	3.5	497.0	484.0
Limit (dB)	55.0	60.1	-23.0	-22.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.2	12.3	44.6	47.2
Freq. (MHz)	5.9	5.3	498.0	500.0
Limit (dB)	52.8	53.9	-25.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	3.2	4.1	3.2	4.1
Freq. (MHz)	481.0	481.0	481.0	481.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: GHALL-3-A

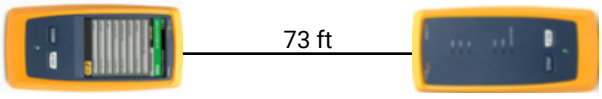
Test Summary: PASS

Date / Time: 12/18/2022 05:13:37 PM
Headroom: 4.2 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

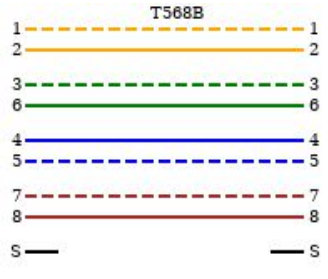
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

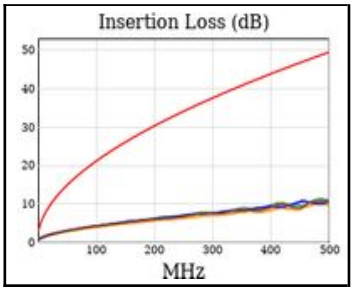
Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	73
Prop. Delay (ns), Limit 555	[Pair 4,5]	114
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	10.3
Insertion Loss Margin (dB)	[Pair 3,6]	37.2
Frequency (MHz)	[Pair 3,6]	486.0
Limit (dB)	[Pair 3,6]	48.5

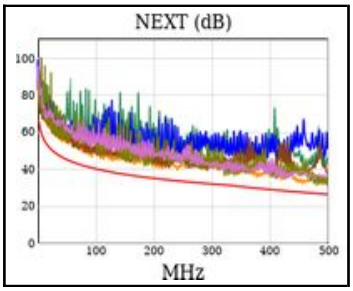


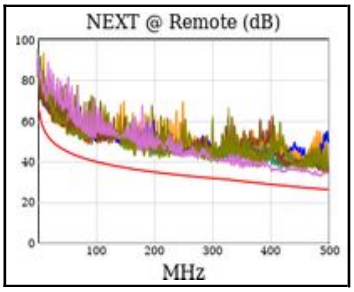
PASS



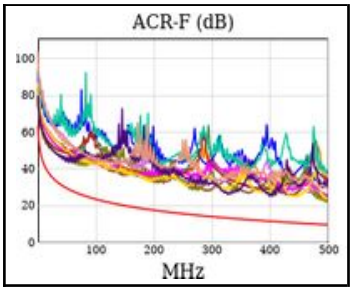


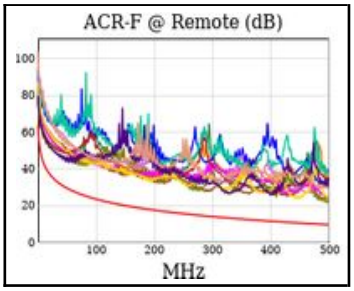
PASS	Worst Case Margin MAIN	Worst Case Margin SR	Worst Case Value MAIN	Worst Case Value SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-7,8	4,5-7,8
NEXT (dB)	4.2	6.1	4.2	6.1
Freq. (MHz)	482.0	486.0	482.0	486.0
Limit (dB)	26.5	26.4	26.5	26.4
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	4.9	6.2	4.9	6.2
Freq. (MHz)	498.0	485.0	498.0	485.0
Limit (dB)	23.3	23.6	23.3	23.6



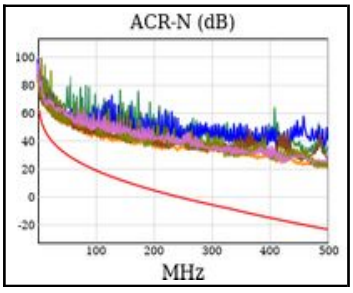


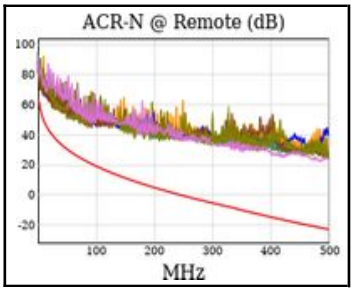
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.2	11.9	12.2	11.9
Freq. (MHz)	497.0	498.0	497.0	498.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-F (dB)	13.9	11.7	14.2	11.7
Freq. (MHz)	400.0	497.0	498.0	497.0
Limit (dB)	8.2	6.3	6.3	6.3



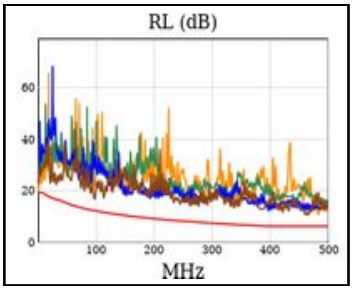


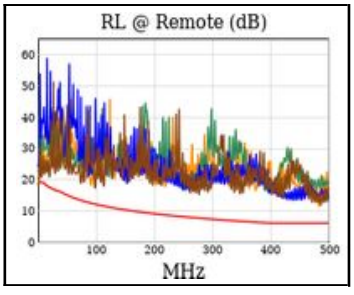
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	4,5-7,8
ACR-N (dB)	10.8	12.0	42.0	44.0
Freq. (MHz)	4.0	4.6	482.0	486.0
Limit (dB)	58.9	57.6	-21.8	-22.1
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.3	13.3	43.2	45.9
Freq. (MHz)	4.0	4.4	498.0	500.0
Limit (dB)	56.4	55.6	-25.9	-26.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	7,8	1,2
RL (dB)	4.2	5.0	4.2	5.0
Freq. (MHz)	467.0	484.0	467.0	484.0
Limit (dB)	6.0	6.0	6.0	6.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: GHALL-3-B

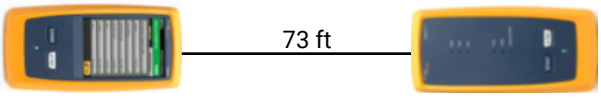
Test Summary: PASS

Date / Time: 12/18/2022 05:15:49 PM
Headroom: 2.4 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS MAIN GYM

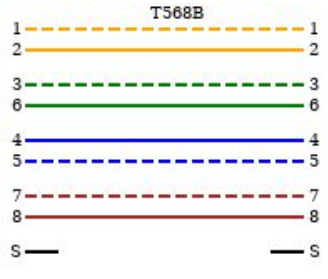
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

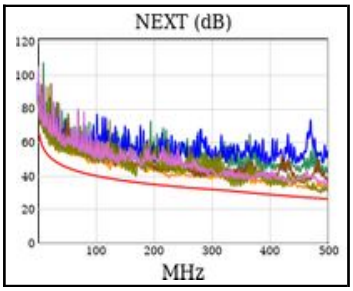
Length (ft), Limit 328	[Pair 1,2]	73
Prop. Delay (ns), Limit 555	[Pair 4,5]	114
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 7,8]	9.8
Insertion Loss Margin (dB)	[Pair 7,8]	37.3
Frequency (MHz)	[Pair 7,8]	483.0
Limit (dB)	[Pair 7,8]	48.4

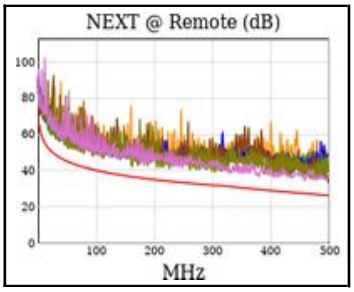


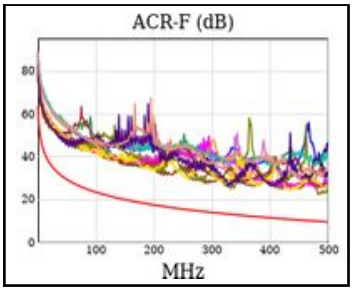
PASS

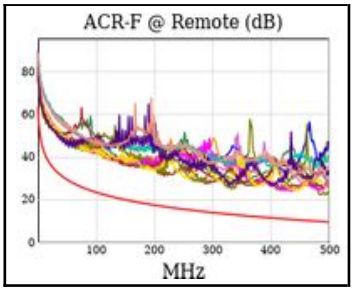


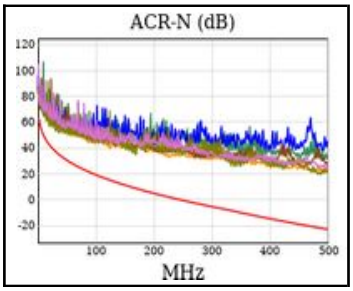


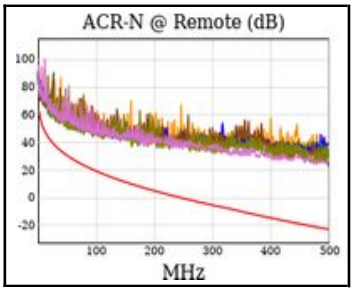


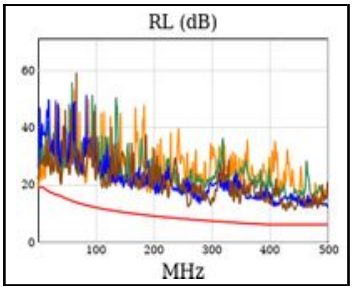


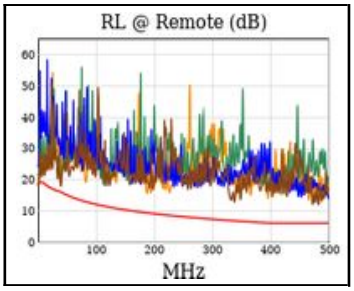












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	2.4	5.6	3.2	6.7
Freq. (MHz)	340.0	162.5	489.0	500.0
Limit (dB)	30.6	36.3	26.4	26.1
Worst Pair	7,8	3,6	3,6	4,5
PS NEXT (dB)	4.2	7.0	4.6	7.4
Freq. (MHz)	340.0	163.0	489.0	500.0
Limit (dB)	27.7	33.4	23.5	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	12.0	11.7	12.4	12.7
Freq. (MHz)	334.0	334.0	484.0	498.0
Limit (dB)	12.8	12.8	9.6	9.3
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-F (dB)	13.5	12.8	15.1	13.4
Freq. (MHz)	329.0	422.0	489.0	498.0
Limit (dB)	9.9	7.8	6.5	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	12.0	11.9	41.3	45.5
Freq. (MHz)	4.3	4.4	489.0	500.0
Limit (dB)	58.3	58.1	-22.3	-23.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	11.5	12.1	42.6	46.2
Freq. (MHz)	4.3	4.4	489.0	500.0
Limit (dB)	55.8	55.6	-25.2	-26.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.2	5.5	4.7	5.5
Freq. (MHz)	260.0	483.0	429.0	483.0
Limit (dB)	7.9	6.0	6.0	6.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks

LinkWare Live

Cable ID: M.HALL-A

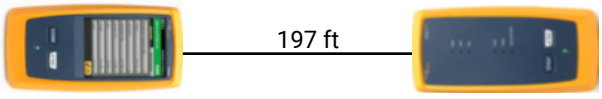
Test Summary: PASS

Date / Time: 11/12/2022 03:34:03 PM
Headroom: 4.1 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

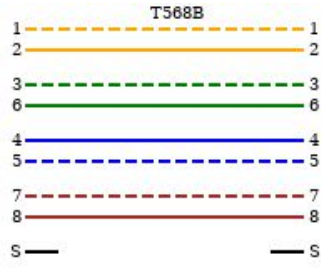
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	197
Prop. Delay (ns), Limit 555	[Pair 4,5]	313
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 4,5]	21.4
Frequency (MHz)	[Pair 4,5]	470.0
Limit (dB)	[Pair 4,5]	47.7



PASS



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	4.1	5.3	4.1	8.3
Freq. (MHz)	500.0	141.0	500.0	472.0
Limit (dB)	26.1	37.4	26.1	26.8
Worst Pair	3,6	3,6	3,6	4,5
PS NEXT (dB)	6.0	7.0	6.0	8.8
Freq. (MHz)	500.0	141.0	500.0	498.0
Limit (dB)	23.2	34.5	23.2	23.3

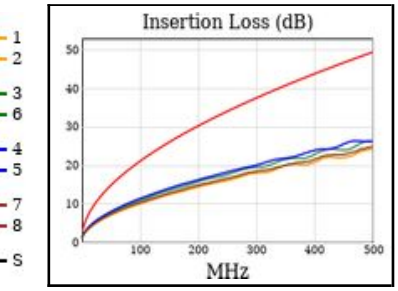
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	10.4	9.9	10.4
Freq. (MHz)	440.0	436.0	440.0	436.0
Limit (dB)	10.4	10.5	10.4	10.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	10.8	9.9	11.2	10.8
Freq. (MHz)	260.0	258.0	440.0	435.0
Limit (dB)	12.0	12.0	7.4	7.5

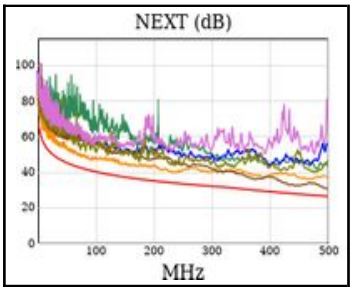
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-4,5
ACR-N (dB)	9.0	8.8	27.2	32.3
Freq. (MHz)	8.8	8.8	500.0	500.0
Limit (dB)	51.5	51.5	-23.2	-23.2
Worst Pair	3,6	1,2	3,6	4,5
PS ACR-N (dB)	10.6	10.9	29.2	32.1
Freq. (MHz)	8.8	8.8	500.0	500.0
Limit (dB)	48.9	48.9	-26.1	-26.1

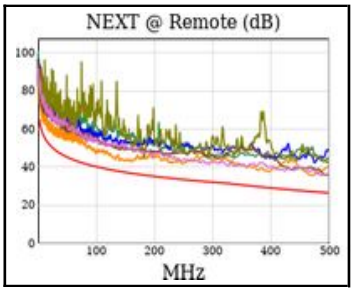
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	5.5	3.8	7.1	8.4
Freq. (MHz)	13.0	13.0	480.0	417.0
Limit (dB)	18.4	18.4	6.0	6.0

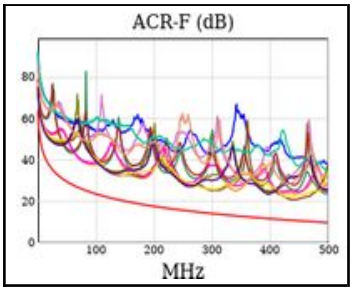
Compliant Network Standards:

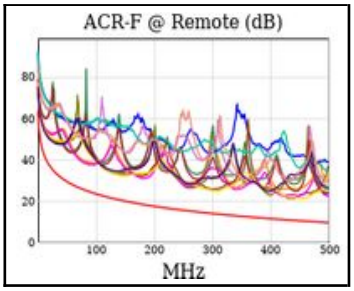
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

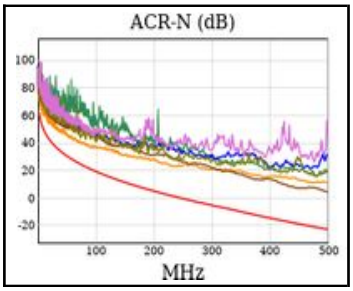


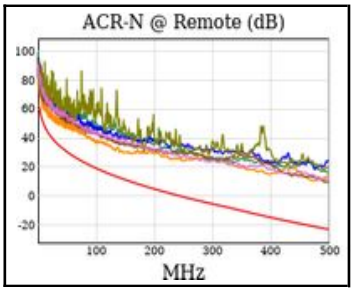


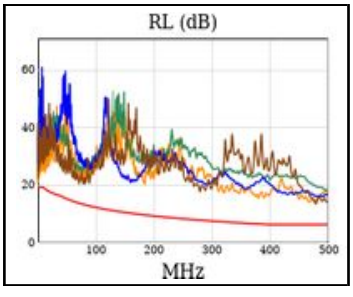


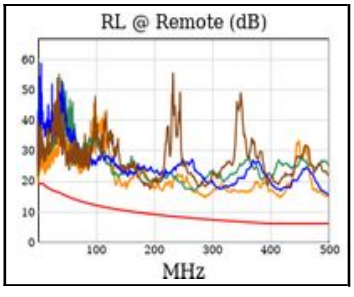












FLUKE networks

LinkWare Live

Cable ID: M.HALL-B

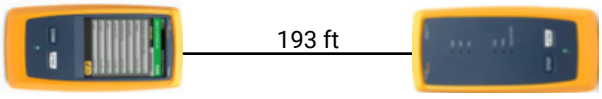
Test Summary: PASS

Date / Time: 11/19/2022 04:52:54 PM
Headroom: 5.3 dB (NEXT)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A U/UTP
NVP: 68.2%
Project: ACHS C116

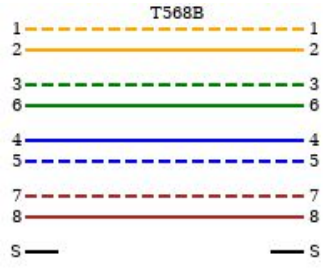
Operator: MURAT
Software Version: V6.7 Build 1
Calibration Date:
Main (Module): 10/31/2022
Remote (Module): 10/31/2022

Model: DSX-8000
Main S/N: 1927404
Remote S/N: 1927408
Main Adapter: DSX-CHA804
Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 1,2]	193
Prop. Delay (ns), Limit 555	[Pair 4,5]	305
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	8.7
Insertion Loss Margin (dB)	[Pair 3,6]	24.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3



PASS

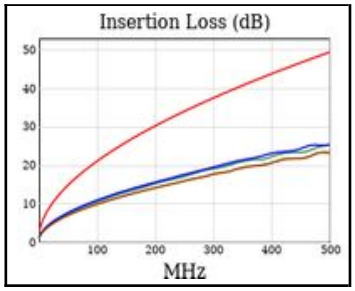


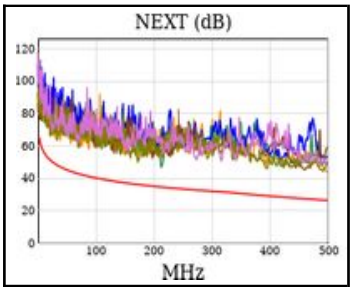
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	12.1	5.3	17.4	5.7
Freq. (MHz)	213.5	464.0	500.0	500.0
Limit (dB)	34.3	27.0	26.1	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	13.4	6.8	18.7	7.7
Freq. (MHz)	5.0	462.0	500.0	500.0
Limit (dB)	59.0	24.1	23.2	23.2

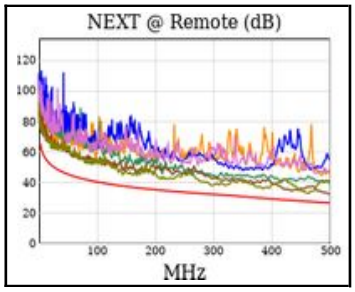
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	7,8-3,6	3,6-4,5
ACR-F (dB)	10.4	9.4	10.6	9.7
Freq. (MHz)	452.0	452.0	482.0	471.0
Limit (dB)	10.2	10.2	9.6	9.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.2	10.8	10.2	11.7
Freq. (MHz)	482.0	5.8	482.0	500.0
Limit (dB)	6.6	45.1	6.6	6.3

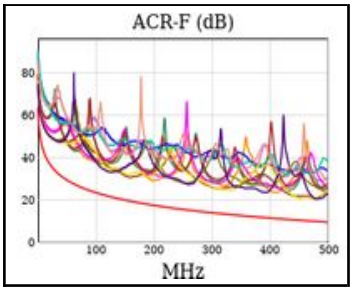
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	15.4	12.0	41.5	29.8
Freq. (MHz)	3.0	3.1	500.0	500.0
Limit (dB)	61.4	61.1	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	15.8	13.1	42.6	31.8
Freq. (MHz)	4.9	4.9	496.0	500.0
Limit (dB)	54.6	54.6	-25.8	-26.1

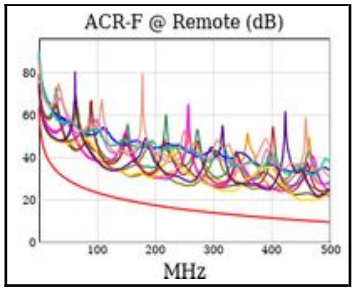
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	4.4	4.2	8.6	8.8
Freq. (MHz)	11.3	11.4	469.0	477.0
Limit (dB)	18.7	18.7	6.0	6.0

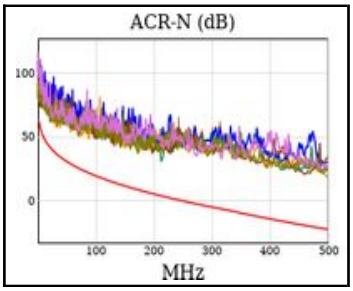


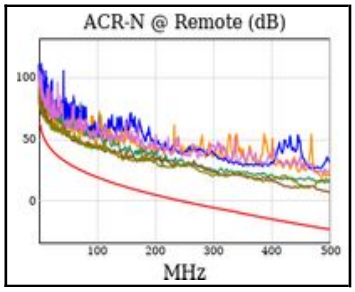


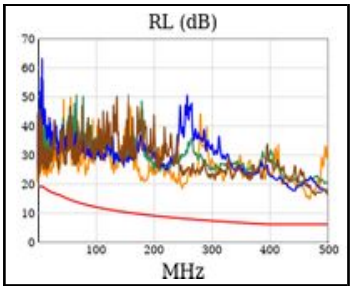


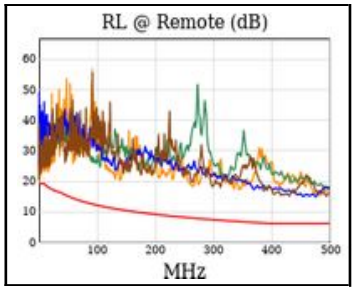












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks