

LinkWare Live

Official Summary

Certification Report



Exclusively For:	Prepared By:	Projects
	Systec101	
	Murat Yildirim	SRS-SPSGREE-2527 Greeley CO
	info@systec101.com	

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

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
AP1	PASS	TIA Cat 6 Channel	123 ft	6.1 dB (NEXT)	06/13/2023 05:58:31 PM
AP2	PASS	TIA Cat 6 Channel	345 ft	3.2 dB (NEXT)	06/13/2023 06:28:34 PM
AP3	PASS	TIA Cat 6 Channel	297 ft	6.4 dB (NEXT)	06/13/2023 06:05:10 PM
D1	PASS	TIA Cat 6 Channel	311 ft	5.2 dB (NEXT)	06/13/2023 05:36:56 PM
D10	PASS	TIA Cat 6 Channel	301 ft	7.0 dB (NEXT)	06/13/2023 05:41:59 PM
D11	PASS	TIA Cat 6 Channel	301 ft	4.1 dB (NEXT)	06/13/2023 05:42:13 PM
D12	PASS	TIA Cat 6 Channel	300 ft	5.5 dB (NEXT)	06/13/2023 05:42:33 PM
D13	PASS	TIA Cat 6 Channel	293 ft	4.6 dB (NEXT)	06/13/2023 05:42:51 PM
D14	PASS	TIA Cat 6 Channel	293 ft	1.3 dB (NEXT)	06/13/2023 05:43:10 PM
D15	PASS	TIA Cat 6 Channel	293 ft	5.9 dB (NEXT)	06/13/2023 05:43:32 PM
D16	PASS	TIA Cat 6 Channel	293 ft	4.0 dB (NEXT)	06/13/2023 05:48:07 PM
D17	PASS	TIA Cat 6 Channel	286 ft	4.6 dB (NEXT)	06/13/2023 05:48:22 PM
D18	PASS	TIA Cat 6 Channel	286 ft	4.3 dB (NEXT)	06/13/2023 05:49:24 PM
D19	PASS	TIA Cat 6 Channel	286 ft	6.4 dB (NEXT)	06/13/2023 05:50:14 PM
D2	PASS	TIA Cat 6 Channel	311 ft	1.9 dB (NEXT)	06/13/2023 05:37:14 PM
D20	PASS	TIA Cat 6 Channel	286 ft	4.4 dB (NEXT)	06/13/2023 05:50:36 PM
D21	PASS	TIA Cat 6 Channel	281 ft	6.4 dB (NEXT)	06/13/2023 05:52:51 PM
D22	PASS	TIA Cat 6 Channel	281 ft	2.8 dB (NEXT)	06/13/2023 05:53:16 PM
D23	PASS	TIA Cat 6 Channel	277 ft	7.7 dB (NEXT)	06/13/2023 05:52:14 PM
D24	PASS	TIA Cat 6 Channel	347 ft	2.8 dB (NEXT)	06/13/2023 06:05:29 PM
D25	PASS	TIA Cat 6 Channel	345 ft	4.3 dB (NEXT)	06/13/2023 06:27:01 PM
D26	PASS	TIA Cat 6 Channel	345 ft	3.2 dB (NEXT)	06/13/2023 06:28:24 PM
D27	PASS	TIA Cat 6 Channel	141 ft	4.1 dB (NEXT)	06/13/2023 05:18:34 PM
D28	PASS	TIA Cat 6 Channel	141 ft	7.6 dB (NEXT)	06/13/2023 05:24:59 PM
D29	PASS	TIA Cat 6 Channel	141 ft	5.7 dB (NEXT)	06/13/2023 05:24:14 PM
D3	PASS	TIA Cat 6 Channel	311 ft	6.7 dB (NEXT)	06/13/2023 05:37:35 PM
D30	PASS	TIA Cat 6 Channel	140 ft	7.6 dB (NEXT)	06/13/2023 05:25:26 PM
D31	PASS	TIA Cat 6 Channel	128 ft	5.8 dB (NEXT)	06/13/2023 05:26:15 PM
D32	PASS	TIA Cat 6 Channel	126 ft	4.6 dB (NEXT)	06/13/2023 05:32:16 PM
D33	PASS	TIA Cat 6 Channel	60 ft	2.2 dB (NEXT)	06/13/2023 05:33:19 PM
D34	PASS	TIA Cat 6 Channel	60 ft	5.0 dB (NEXT)	06/13/2023 05:33:38 PM
D35	PASS	TIA Cat 6 Channel	59 ft	5.5 dB (NEXT)	06/13/2023 05:35:07 PM
D36	PASS	TIA Cat 6 Channel	60 ft	4.4 dB (NEXT)	06/13/2023 05:35:25 PM
D4	PASS	TIA Cat 6 Channel	312 ft	5.5 dB (NEXT)	06/13/2023 05:37:51 PM
D5	PASS	TIA Cat 6 Channel	304 ft	5.5 dB (NEXT)	06/13/2023 05:39:31 PM
D6	PASS	TIA Cat 6 Channel	304 ft	6.1 dB (NEXT)	06/13/2023 05:39:47 PM
D7	PASS	TIA Cat 6 Channel	305 ft	6.3 dB (NEXT)	06/13/2023 05:41:00 PM
D8	PASS	TIA Cat 6 Channel	304 ft	3.8 dB (NEXT)	06/13/2023 05:41:17 PM
D9	PASS	TIA Cat 6 Channel	299 ft	7.3 dB (NEXT)	06/13/2023 05:41:39 PM

Total Length:	9676 ft
No of Reports:	39
No of Passing Reports:	39
No of Failing Reports:	0
No of Warning Reports:	0
Documentation only:	0

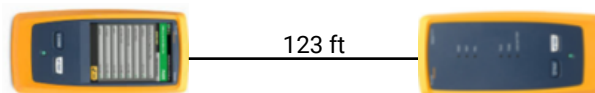


Cable ID: AP1

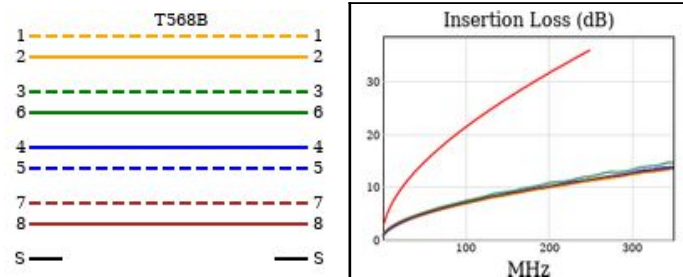
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 Headroom: 6.1 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	189
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	13.7
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	9.3	6.1	9.9	9.0
Freq. (MHz)	16.6	103.0	247.5	248.0
Limit (dB)	53.0	39.7	33.2	33.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	10.3	7.4	12.3	10.0
Freq. (MHz)	24.3	23.8	247.0	240.5
Limit (dB)	47.6	47.7	30.2	30.4

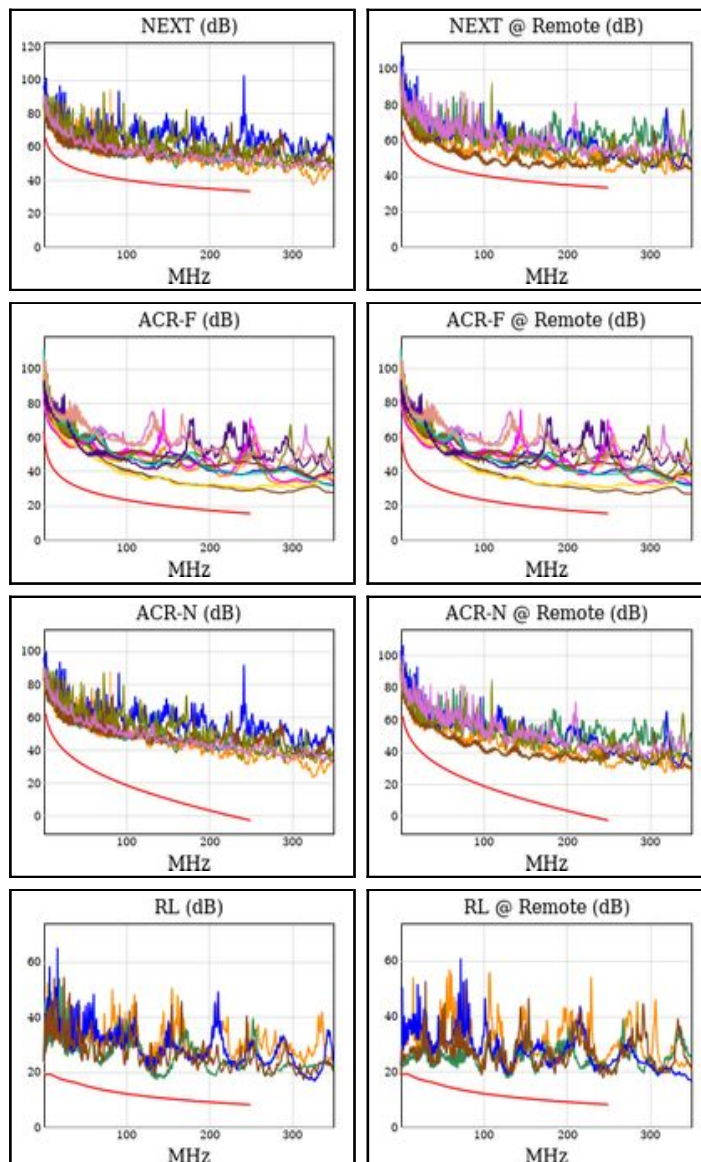
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.8	12.3	12.8	12.4
Freq. (MHz)	238.0	238.0	238.0	241.5
Limit (dB)	15.7	15.7	15.7	15.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	15.5	15.1	15.6	15.2
Freq. (MHz)	123.0	234.5	238.0	238.5
Limit (dB)	18.5	12.9	12.7	12.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	11.7	11.6	33.7	32.8
Freq. (MHz)	2.8	2.9	247.5	248.0
Limit (dB)	61.6	61.6	-2.5	-2.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.5	12.1	36.0	33.3
Freq. (MHz)	2.8	2.6	247.0	240.5
Limit (dB)	58.6	58.7	-5.4	-4.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
RL (dB)	6.5	5.2	6.5	6.7
Freq. (MHz)	137.0	39.0	137.0	130.5
Limit (dB)	10.6	16.0	10.6	10.8

Compliant Network Standards:

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





Cable ID: AP2

Date / Time: 06/13/2023 06:28:34 PM Operator: MURAT
 Headroom: 3.2 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	345
Prop. Delay (ns), Limit 555	[Pair 4,5]	527
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	18.8
Insertion Loss Margin (dB)	[Pair 4,5]	4.9
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	3.7	3.2	10.9	6.4
Freq. (MHz)	3.0	2.9	217.0	243.0
Limit (dB)	65.0	65.0	34.2	33.3
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	4.2	5.1	13.5	8.0
Freq. (MHz)	3.0	2.9	218.0	241.5
Limit (dB)	62.0	62.0	31.2	30.4

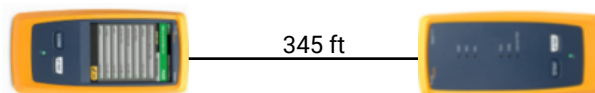
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	9.1	9.1	9.3	9.4
Freq. (MHz)	186.0	188.5	250.0	235.0
Limit (dB)	17.9	17.8	15.3	15.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.4	11.1	10.6
Freq. (MHz)	248.0	231.5	250.0	235.0
Limit (dB)	12.4	13.0	12.3	12.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	4.0	3.5	15.4	11.2
Freq. (MHz)	2.9	2.9	217.0	243.0
Limit (dB)	61.6	61.6	1.1	-2.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	4.5	5.3	21.3	12.8
Freq. (MHz)	3.0	2.9	250.0	241.5
Limit (dB)	58.5	58.6	-5.8	-4.8

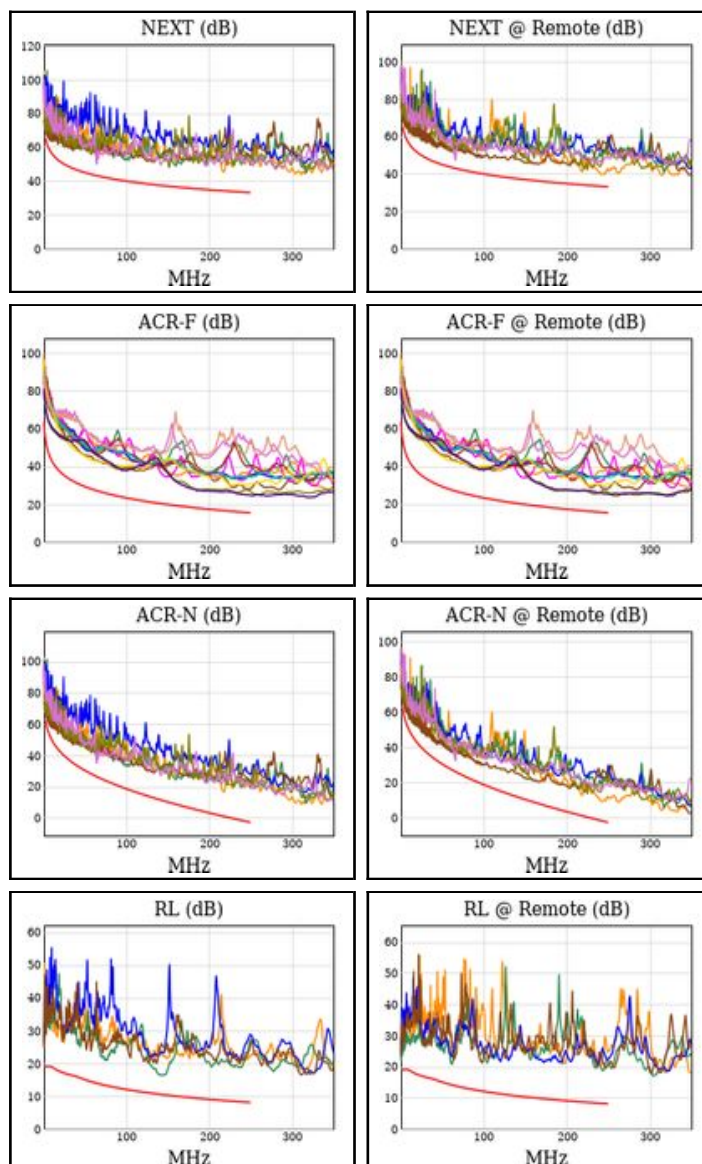
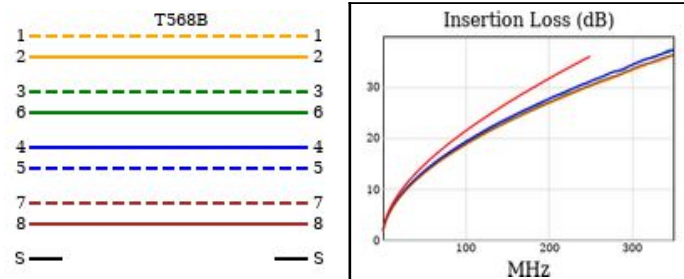
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
RL (dB)	5.8	5.3	5.9	10.6
Freq. (MHz)	142.5	3.3	144.0	244.0
Limit (dB)	10.5	19.0	10.4	8.1

Compliant Network Standards:

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



PASS





Cable ID: AP3

Date / Time: 06/13/2023 06:05:10 PM Operator: MURAT
 Headroom: 6.4 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	297
Prop. Delay (ns), Limit 555	[Pair 4,5]	453
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 7,8]	20.6
Insertion Loss Margin (dB)	[Pair 3,6]	9.0
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	6.4	7.4	8.1	8.7
Freq. (MHz)	65.5	14.4	154.5	236.0
Limit (dB)	43.0	54.0	36.7	33.5
Worst Pair	3,6	3,6	7,8	3,6
PS NEXT (dB)	8.8	7.4	10.3	9.5
Freq. (MHz)	3.0	3.3	154.5	227.0
Limit (dB)	62.0	62.0	33.8	30.9

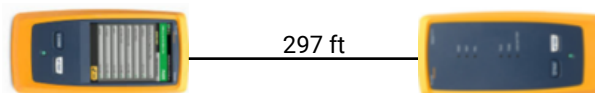
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	9.8	9.4	9.8	9.4
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	15.3	15.3	15.3	15.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.3	10.9	12.3	11.0
Freq. (MHz)	250.0	248.5	250.0	250.0
Limit (dB)	12.3	12.4	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	9.9	8.7	21.0	17.3
Freq. (MHz)	3.1	3.4	250.0	236.0
Limit (dB)	61.2	60.5	-2.8	-1.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	8.1	23.3	18.8
Freq. (MHz)	3.0	3.3	250.0	236.5
Limit (dB)	58.5	58.4	-5.8	-4.2

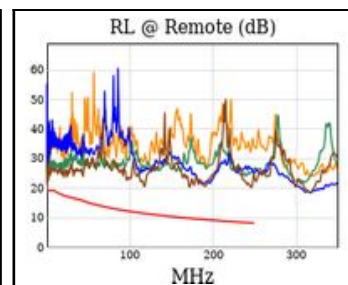
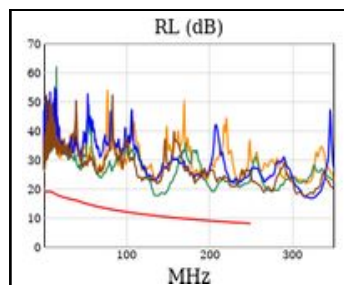
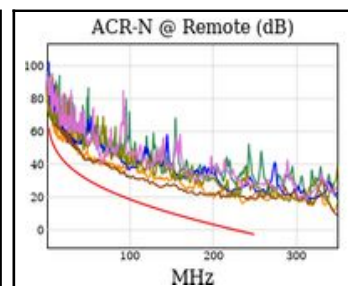
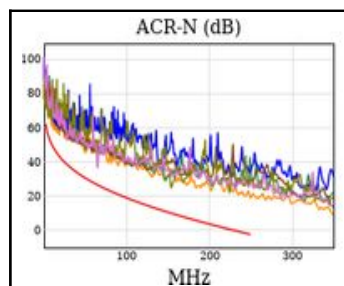
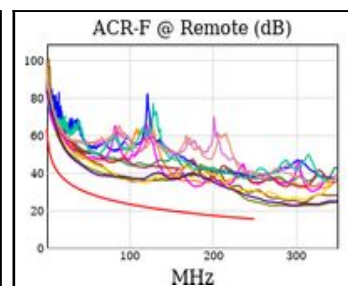
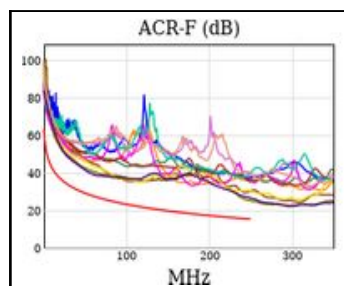
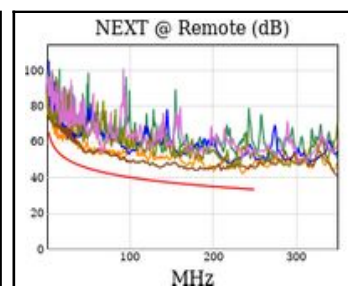
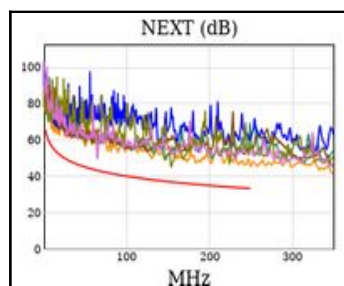
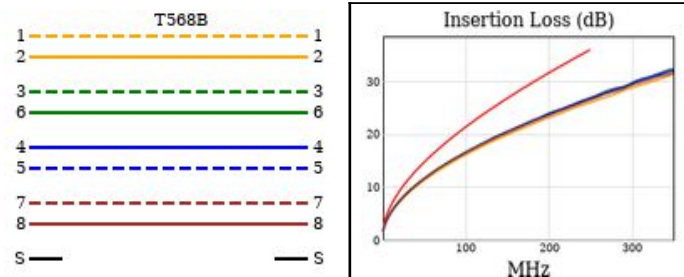
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	7,8
RL (dB)	6.9	5.0	7.0	12.0
Freq. (MHz)	134.5	5.0	138.5	247.0
Limit (dB)	10.7	19.0	10.6	8.1

Compliant Network Standards:

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



PASS





Cable ID: D1

Date / Time: 06/13/2023 05:36:56 PM Operator: MURAT
 Headroom: 5.2 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	311
Prop. Delay (ns), Limit 555	[Pair 4,5]	478
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 7,8]	13.8
Insertion Loss Margin (dB)	[Pair 3,6]	8.3
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
NEXT (dB)	7.4	5.2	7.7	7.0
Freq. (MHz)	3.1	3.1	248.0	241.5
Limit (dB)	64.8	64.8	33.2	33.4
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	8.5	6.1	10.3	9.1
Freq. (MHz)	3.1	55.8	248.0	241.5
Limit (dB)	62.0	41.4	30.2	30.4

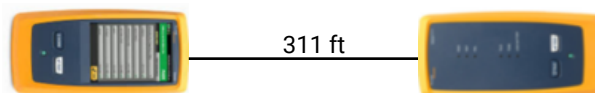
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	10.9	11.1	12.3	12.3
Freq. (MHz)	155.0	155.0	250.0	250.0
Limit (dB)	19.5	19.5	15.3	15.3
Worst Pair	4,5	3,6	3,6	3,6
PS ACR-F (dB)	13.6	13.5	14.3	14.8
Freq. (MHz)	155.0	155.0	250.0	250.0
Limit (dB)	16.5	16.5	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	8.2	6.0	16.1	16.1
Freq. (MHz)	3.1	3.1	248.0	241.5
Limit (dB)	61.2	61.2	-2.6	-1.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.3	6.9	19.0	17.2
Freq. (MHz)	3.3	3.1	248.0	241.5
Limit (dB)	58.4	58.4	-5.6	-4.8

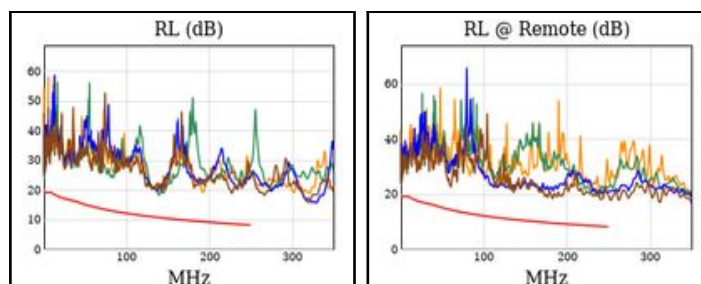
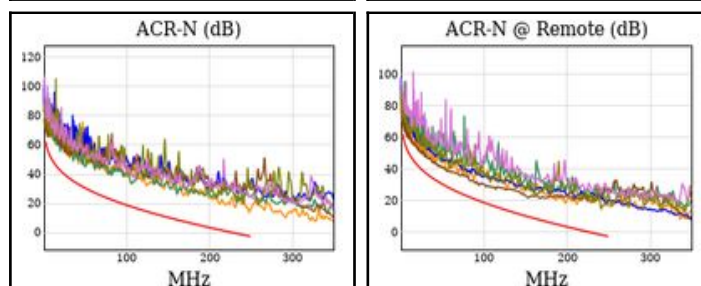
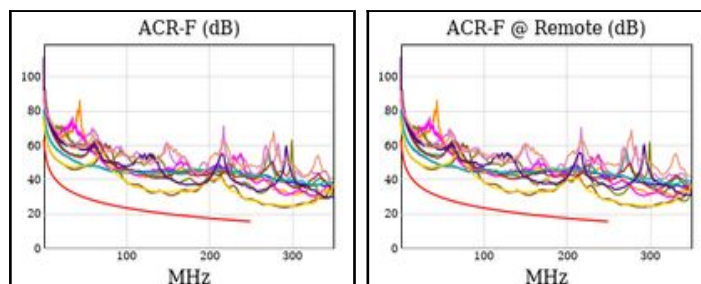
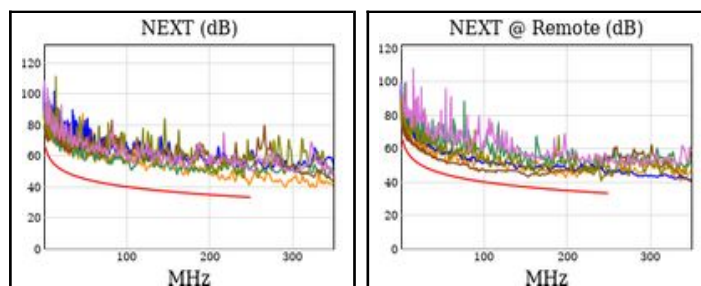
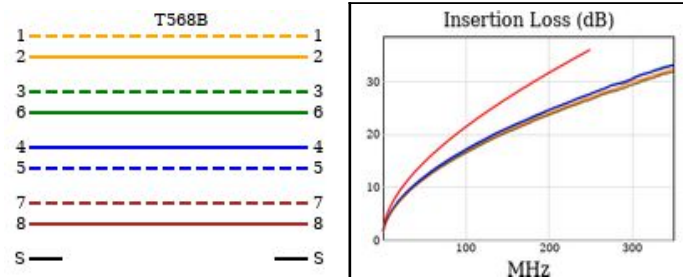
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	7.5	8.1	7.5	9.8
Freq. (MHz)	139.5	3.5	139.5	242.0
Limit (dB)	10.6	19.0	10.6	8.2

Compliant Network Standards:

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



PASS



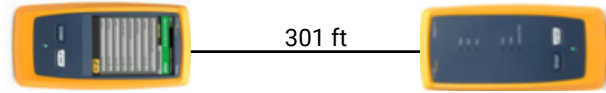


Cable ID: D10

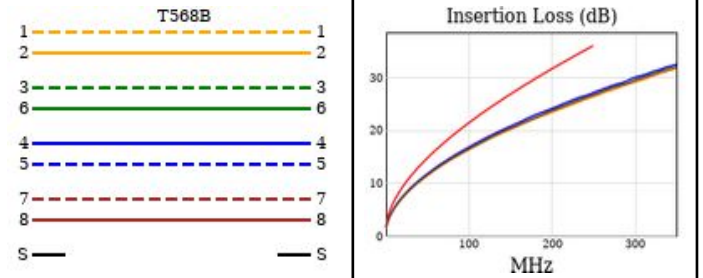
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 Headroom: 7 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	301
Prop. Delay (ns), Limit 555	[Pair 4,5]	460
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	14.1
Insertion Loss Margin (dB)	[Pair 4,5]	8.8
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	8.1	7.0	8.4	9.0
Freq. (MHz)	57.8	40.8	236.0	234.5
Limit (dB)	44.0	46.5	33.5	33.6
Worst Pair	4,5	3,6	1,2	3,6
PS NEXT (dB)	9.5	8.2	10.0	9.0
Freq. (MHz)	57.5	159.0	220.5	238.5
Limit (dB)	41.2	33.6	31.1	30.5

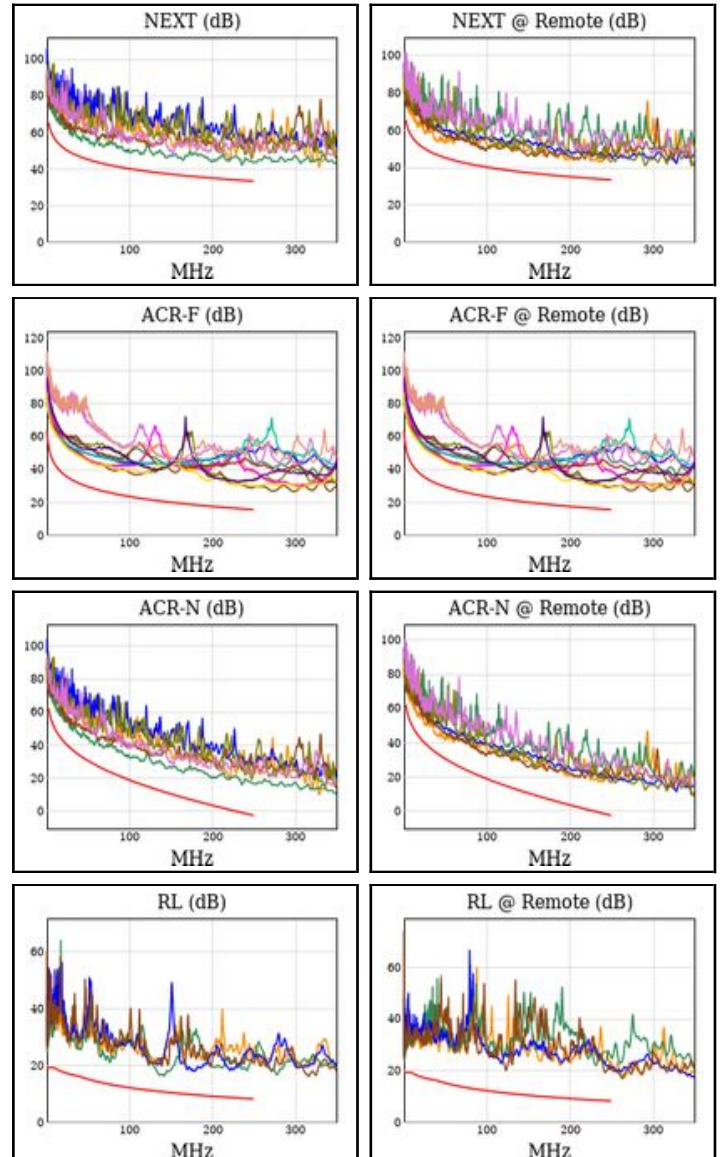
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	13.0	13.3	13.0	13.3
Freq. (MHz)	248.0	248.0	248.0	248.0
Limit (dB)	15.4	15.4	15.4	15.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	15.1	14.5	15.3	14.5
Freq. (MHz)	228.5	248.0	247.5	248.0
Limit (dB)	13.1	12.4	12.4	12.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	3,6-7,8
ACR-N (dB)	10.4	9.6	16.8	19.0
Freq. (MHz)	3.1	3.3	236.0	249.0
Limit (dB)	61.2	60.9	-1.2	-2.7
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-N (dB)	10.8	10.0	19.0	17.8
Freq. (MHz)	4.3	4.3	236.0	238.5
Limit (dB)	56.0	56.0	-4.1	-4.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	5.6	8.6	5.6	10.8
Freq. (MHz)	142.5	3.8	142.5	242.5
Limit (dB)	10.5	19.0	10.5	8.2

Compliant Network Standards:

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





Cable ID: D11

Date / Time: 06/13/2023 05:42:13 PM Operator: MURAT
 Headroom: 4.1 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	301
Prop. Delay (ns), Limit 555	[Pair 4,5]	460
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 4,5]	8.7
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	6.9	4.1	9.5	5.7
Freq. (MHz)	7.5	174.0	230.5	220.0
Limit (dB)	58.6	35.8	33.7	34.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.9	5.9	11.5	7.3
Freq. (MHz)	7.5	174.0	229.5	220.0
Limit (dB)	56.1	32.9	30.8	31.1

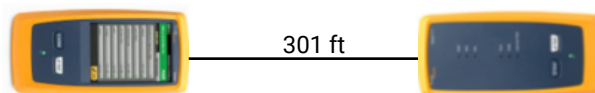
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.5	10.7	10.6	10.8
Freq. (MHz)	206.5	206.5	207.0	207.0
Limit (dB)	17.0	17.0	16.9	16.9
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	12.4	12.1	13.3	13.1
Freq. (MHz)	168.5	162.0	204.5	231.5
Limit (dB)	15.7	16.1	14.0	13.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	8.1	6.5	17.8	14.3
Freq. (MHz)	7.5	7.4	230.5	220.0
Limit (dB)	53.1	53.3	-0.5	0.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.1	7.1	21.7	15.4
Freq. (MHz)	7.5	7.5	248.5	220.0
Limit (dB)	50.6	50.6	-5.6	-2.2

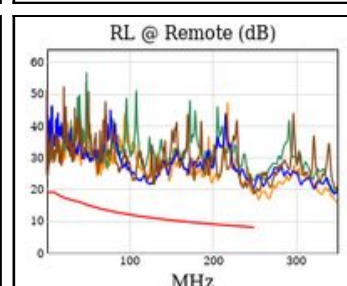
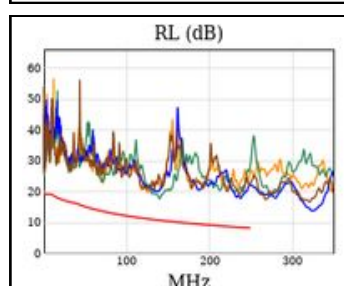
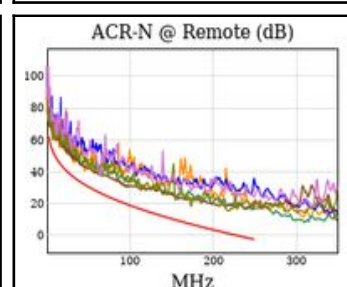
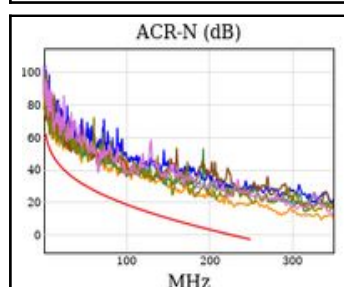
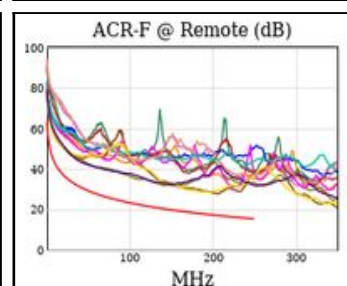
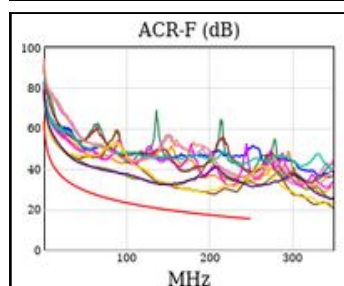
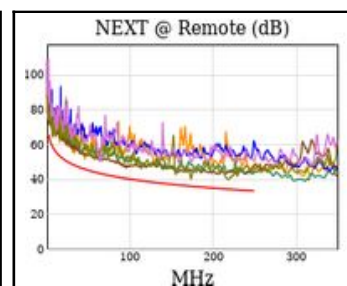
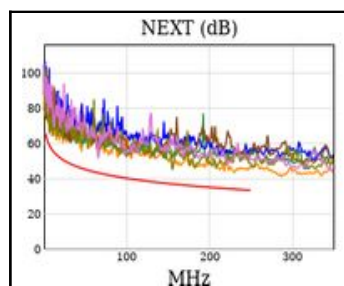
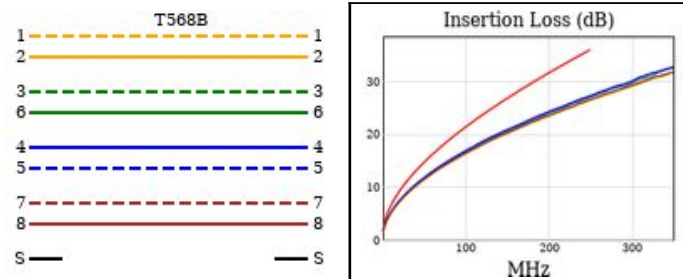
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	7.0	8.8	7.0	10.4
Freq. (MHz)	140.5	3.6	140.5	250.0
Limit (dB)	10.5	19.0	10.5	8.0

Compliant Network Standards:

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



PASS





Cable ID: D12

Date / Time: 06/13/2023 05:42:33 PM Operator: MURAT
 Headroom: 5.5 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	300
Prop. Delay (ns), Limit 555	[Pair 4,5]	459
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	14.0
Insertion Loss Margin (dB)	[Pair 4,5]	8.8
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	1,2-3,6	1,2-3,6
NEXT (dB)	6.3	5.5	9.1	9.0
Freq. (MHz)	65.3	65.3	219.0	219.5
Limit (dB)	43.1	43.1	34.1	34.1
Worst Pair	4,5	3,6	3,6	3,6
PS NEXT (dB)	8.1	7.2	10.5	8.3
Freq. (MHz)	65.3	4.3	219.0	186.5
Limit (dB)	40.3	60.1	31.2	32.4

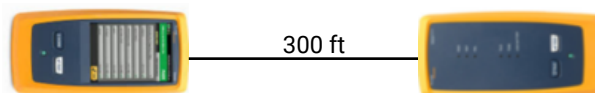
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	11.7	12.0	14.5	14.6
Freq. (MHz)	114.0	114.0	247.5	247.5
Limit (dB)	22.1	22.1	15.4	15.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.1	12.8	16.2	16.2
Freq. (MHz)	93.3	109.0	250.0	249.5
Limit (dB)	20.9	19.5	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	8.3	8.4	17.2	17.2
Freq. (MHz)	18.1	4.3	219.0	219.5
Limit (dB)	43.8	58.5	0.9	0.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	8.1	18.7	19.3
Freq. (MHz)	4.3	4.3	219.0	236.5
Limit (dB)	56.0	56.0	-2.1	-4.2

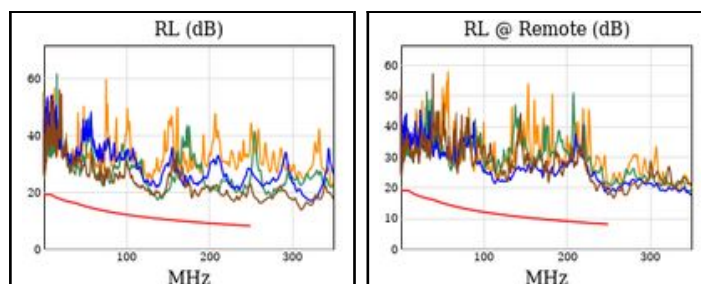
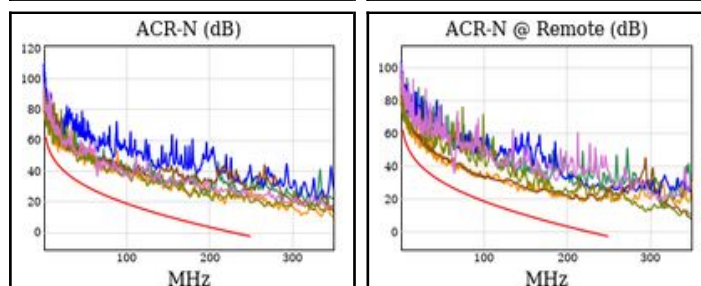
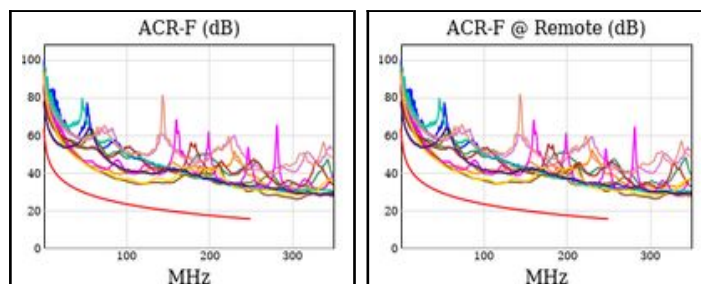
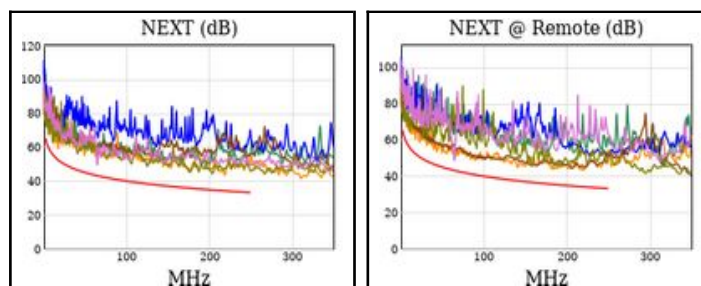
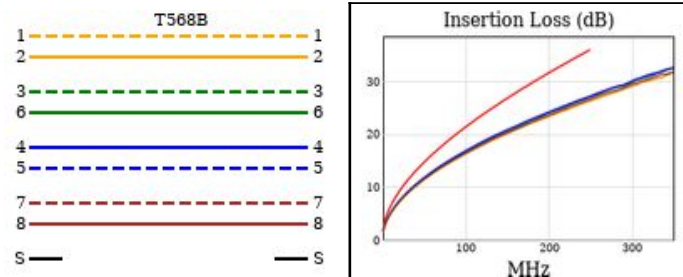
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	7,8	7,8
RL (dB)	6.5	8.9	8.3	9.6
Freq. (MHz)	138.0	3.6	229.5	250.0
Limit (dB)	10.6	19.0	8.4	8.0

Compliant Network Standards:

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



PASS





Cable ID: D13

Date / Time: 06/13/2023 05:42:51 PM Operator: MURAT
 Headroom: 4.6 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	450
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 4,5]	9.7
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	7.5	4.6	7.6	4.6
Freq. (MHz)	232.5	242.0	233.0	242.0
Limit (dB)	33.7	33.4	33.6	33.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.9	6.7	9.9	6.7
Freq. (MHz)	246.0	242.0	246.0	242.0
Limit (dB)	30.3	30.4	30.3	30.4

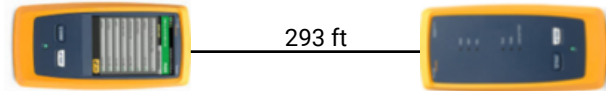
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	11.0	11.2	11.3	11.4
Freq. (MHz)	142.5	143.0	176.0	175.5
Limit (dB)	20.2	20.2	18.3	18.4
Worst Pair	4,5	3,6	4,5	4,5
PS ACR-F (dB)	13.5	13.6	14.9	14.0
Freq. (MHz)	141.0	141.0	204.0	185.5
Limit (dB)	17.3	17.3	14.1	14.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	12.1	9.5	16.9	15.0
Freq. (MHz)	3.3	3.3	233.0	242.0
Limit (dB)	60.9	60.9	-0.8	-1.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.7	9.7	19.7	16.4
Freq. (MHz)	3.4	3.3	246.0	242.0
Limit (dB)	58.0	58.4	-5.3	-4.9

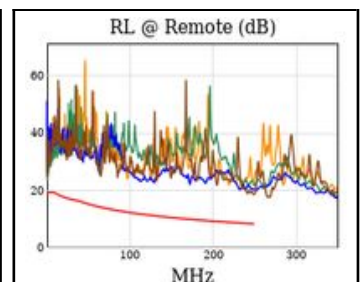
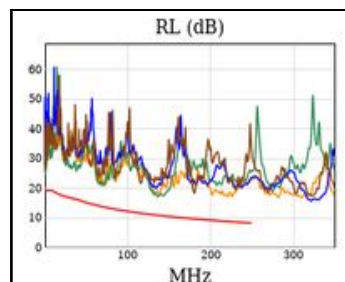
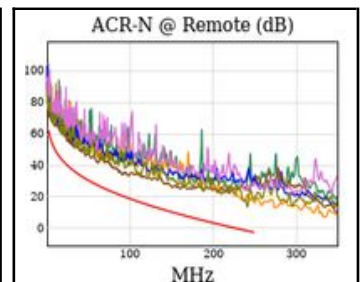
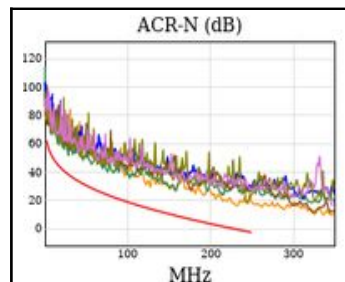
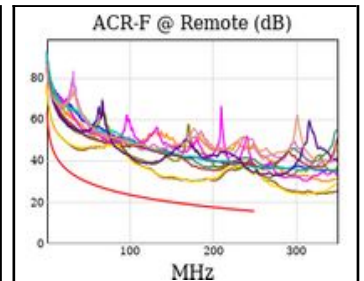
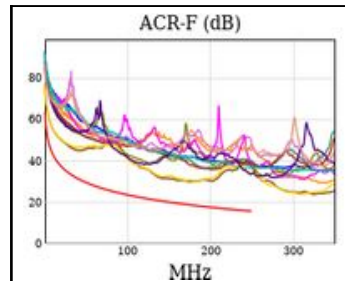
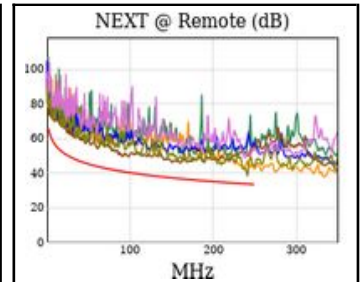
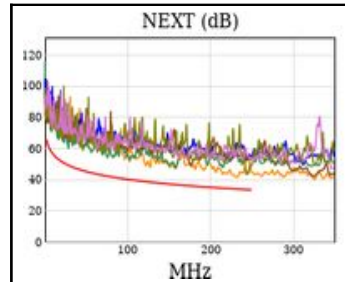
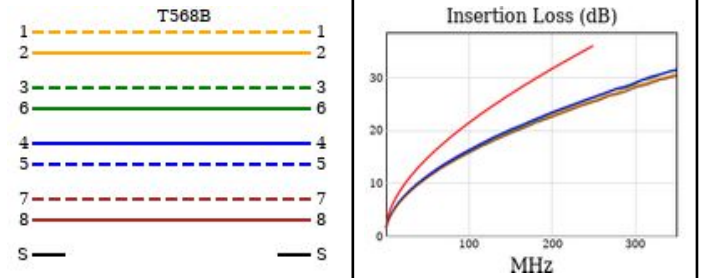
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	6.2	8.8	6.2	10.3
Freq. (MHz)	137.0	4.9	137.0	249.5
Limit (dB)	10.6	19.0	10.6	8.0

Compliant Network Standards:

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



PASS



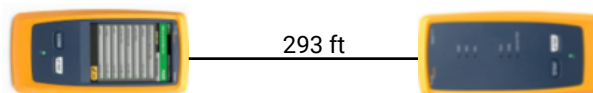


Cable ID: D14

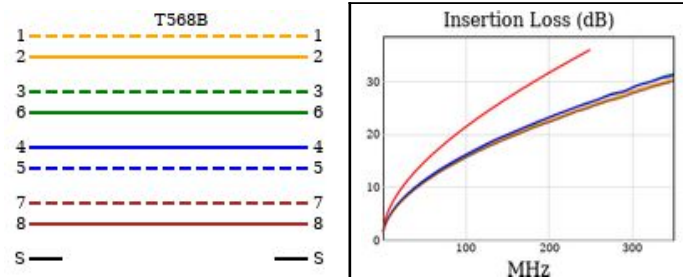
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 Headroom: 1.3 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	449
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 3,6]	13.0
Insertion Loss Margin (dB)	[Pair 3,6]	9.8
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	8.2	1.3	11.3	1.3
Freq. (MHz)	3.4	168.5	243.5	168.5
Limit (dB)	64.2	36.1	33.3	36.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.3	3.1	12.5	5.7
Freq. (MHz)	4.4	168.5	243.0	245.0
Limit (dB)	59.9	33.1	30.4	30.3

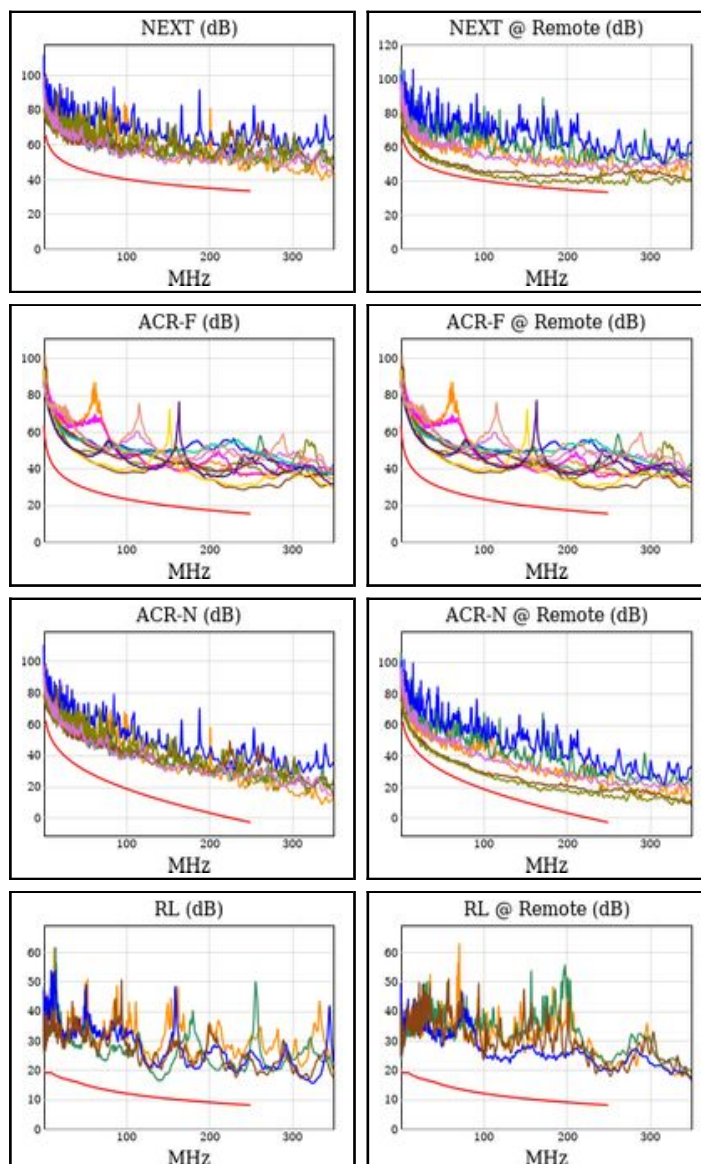
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.8	12.7	12.9	12.8
Freq. (MHz)	242.5	242.5	243.0	243.5
Limit (dB)	15.6	15.6	15.5	15.5
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	15.4	14.9	15.6	15.0
Freq. (MHz)	238.0	242.5	243.0	244.0
Limit (dB)	12.7	12.6	12.5	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	9.1	5.7	20.9	15.5
Freq. (MHz)	3.4	24.5	243.5	245.0
Limit (dB)	60.5	40.1	-2.1	-2.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.3	5.4	22.2	15.4
Freq. (MHz)	4.4	4.4	243.0	245.0
Limit (dB)	55.7	55.7	-5.0	-5.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	5.7	8.8	5.8	10.3
Freq. (MHz)	138.5	3.9	142.0	235.5
Limit (dB)	10.6	19.0	10.5	8.3

Compliant Network Standards:

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





Cable ID: D15

Date / Time: 06/13/2023 05:43:32 PM Operator: MURAT
 Headroom: 5.9 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	451
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 4,5]	9.7
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	9.8	5.9	10.3	5.9
Freq. (MHz)	207.0	239.0	250.0	239.0
Limit (dB)	34.5	33.5	33.1	33.5
Worst Pair	1,2	3,6	1,2	3,6
PS NEXT (dB)	11.9	7.1	11.9	7.4
Freq. (MHz)	250.0	194.5	250.0	239.0
Limit (dB)	30.2	32.1	30.2	30.5

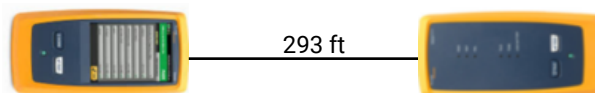
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.4	10.6	10.6	10.8
Freq. (MHz)	167.5	167.5	174.0	174.0
Limit (dB)	18.8	18.8	18.4	18.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.9	12.2	13.0	12.3
Freq. (MHz)	177.5	173.5	183.5	175.0
Limit (dB)	15.3	15.5	15.0	15.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	3,6-7,8
ACR-N (dB)	12.1	9.5	20.1	16.3
Freq. (MHz)	2.3	17.1	250.0	239.0
Limit (dB)	61.9	44.4	-2.8	-1.5
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	13.4	10.4	22.4	16.9
Freq. (MHz)	3.3	17.1	250.0	239.0
Limit (dB)	58.4	41.8	-5.8	-4.5

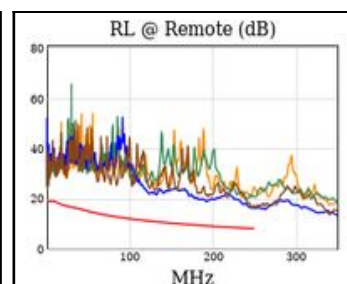
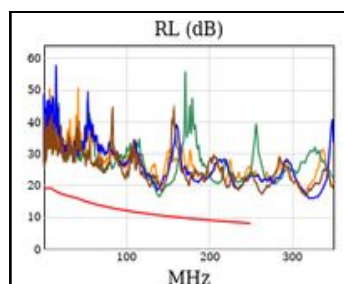
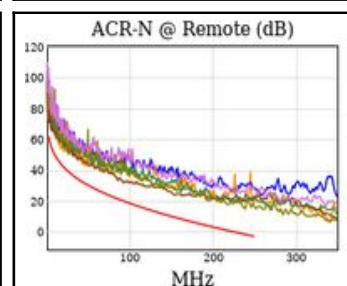
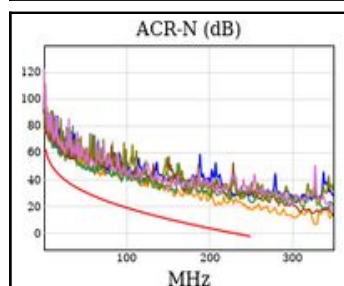
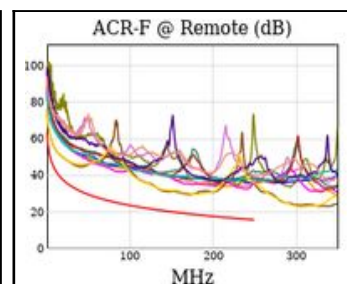
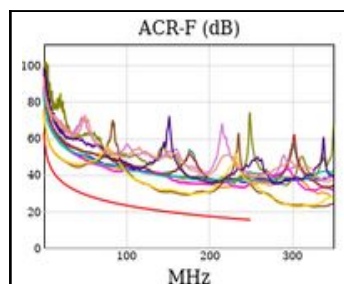
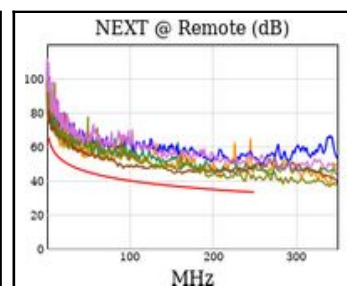
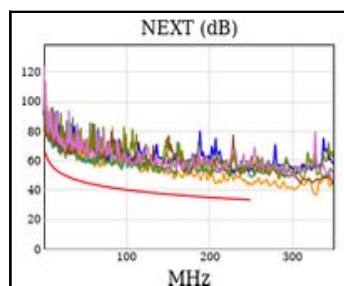
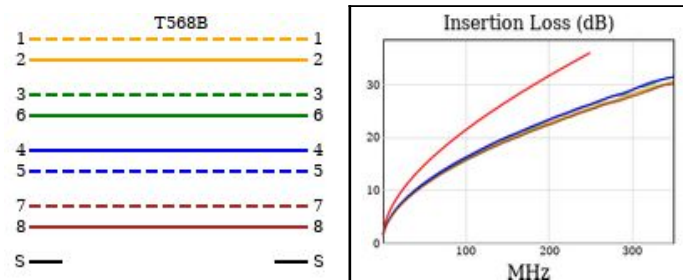
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	3,6	4,5
RL (dB)	5.8	8.2	5.8	8.2
Freq. (MHz)	140.0	248.0	140.0	248.0
Limit (dB)	10.5	8.1	10.5	8.1

Compliant Network Standards:

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



PASS





Cable ID: D16

Date / Time: 06/13/2023 05:48:07 PM Operator: MURAT
 Headroom: 4 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	293
Prop. Delay (ns), Limit 555	[Pair 4,5]	453
Delay Skew (ns), Limit 50	[Pair 4,5]	21
Resistance (ohms)	[Pair 3,6]	13.1
Insertion Loss Margin (dB)	[Pair 3,6]	9.4
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	4.0	6.1	4.8	6.1
Freq. (MHz)	102.0	250.0	219.5	250.0
Limit (dB)	39.8	33.1	34.1	33.1
Worst Pair	1,2	3,6	1,2	3,6
PS NEXT (dB)	6.1	7.8	7.3	7.8
Freq. (MHz)	102.0	248.5	219.5	248.5
Limit (dB)	36.9	30.2	31.1	30.2

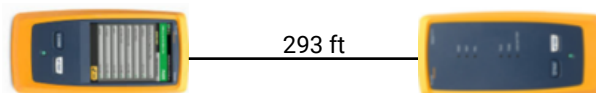
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	13.9	14.0	14.8	14.1
Freq. (MHz)	91.3	91.3	248.0	248.0
Limit (dB)	24.1	24.1	15.4	15.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	15.9	14.3	16.1	14.4
Freq. (MHz)	117.5	237.0	246.5	237.5
Limit (dB)	18.9	12.8	12.4	12.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-4,5	1,2-4,5	1,2-3,6
ACR-N (dB)	7.6	8.9	16.7	15.5
Freq. (MHz)	25.8	3.3	250.0	250.0
Limit (dB)	39.5	60.9	-2.8	-2.8
Worst Pair	4,5	4,5	4,5	3,6
PS ACR-N (dB)	8.4	10.2	19.4	17.1
Freq. (MHz)	3.3	3.3	250.0	248.5
Limit (dB)	58.4	58.4	-5.8	-5.6

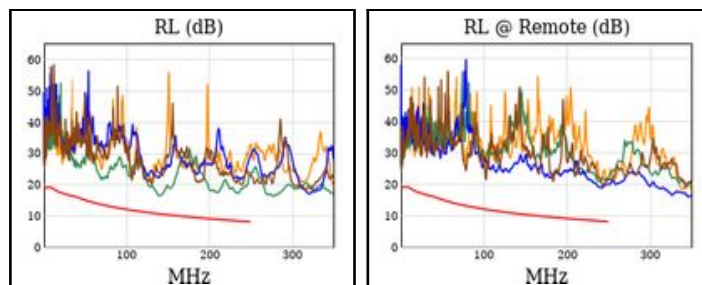
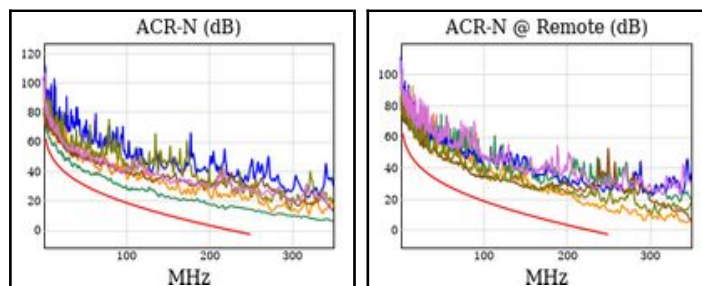
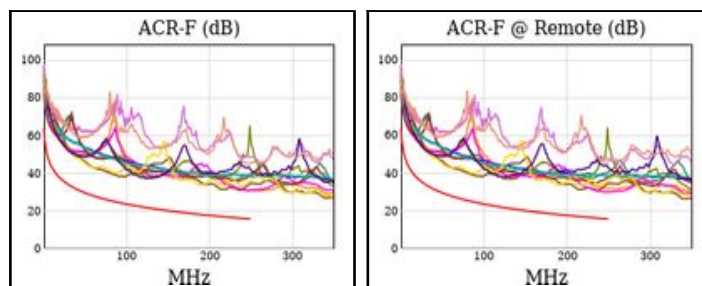
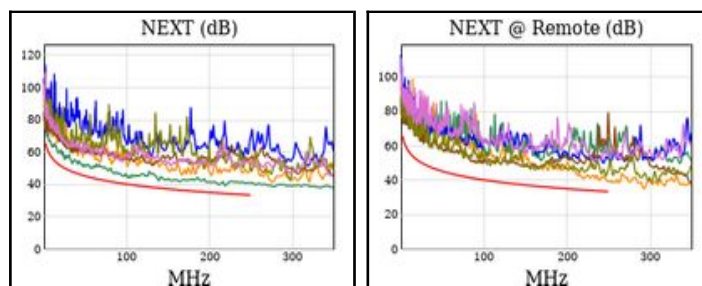
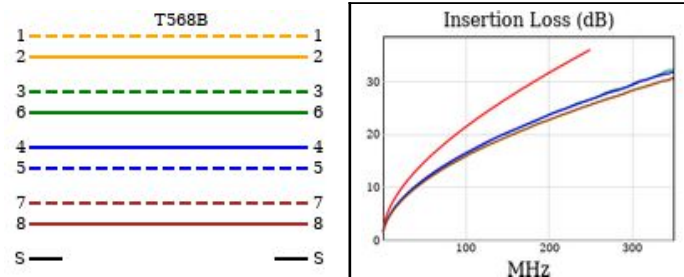
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	4,5
RL (dB)	5.8	9.1	5.9	10.6
Freq. (MHz)	139.5	4.9	142.0	243.0
Limit (dB)	10.6	19.0	10.5	8.1

Compliant Network Standards:

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



PASS





Cable ID: D17

Date / Time: 06/13/2023 05:48:22 PM Operator: MURAT
 Headroom: 4.6 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	286
Prop. Delay (ns), Limit 555	[Pair 4,5]	437
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	12.7
Insertion Loss Margin (dB)	[Pair 4,5]	10.1
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	3,6-7,8	3,6-7,8
NEXT (dB)	5.0	4.6	8.2	4.6
Freq. (MHz)	67.3	156.0	155.5	156.0
Limit (dB)	42.8	36.6	36.7	36.6
Worst Pair	4,5	3,6	3,6	3,6
PS NEXT (dB)	6.3	5.6	10.0	7.9
Freq. (MHz)	67.3	156.0	155.5	218.5
Limit (dB)	40.0	33.7	33.8	31.2

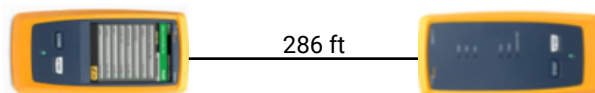
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	7,8-3,6	7,8-3,6
ACR-F (dB)	4.5	4.5	13.5	12.6
Freq. (MHz)	1.4	1.4	220.5	207.0
Limit (dB)	60.5	60.5	16.4	16.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	7.4	7.5	15.2	15.4
Freq. (MHz)	1.4	1.1	232.5	250.0
Limit (dB)	57.5	59.2	12.9	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	9.5	9.4	22.8	19.2
Freq. (MHz)	67.3	2.3	248.5	244.5
Limit (dB)	25.7	61.9	-2.7	-2.2
Worst Pair	4,5	3,6	3,6	3,6
PS ACR-N (dB)	10.4	9.8	24.0	19.5
Freq. (MHz)	67.3	2.3	248.5	244.5
Limit (dB)	22.9	58.9	-5.6	-5.2

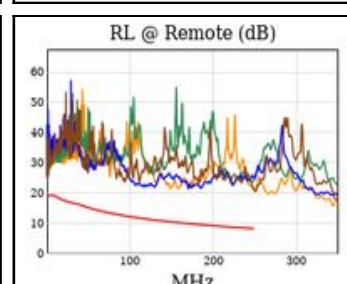
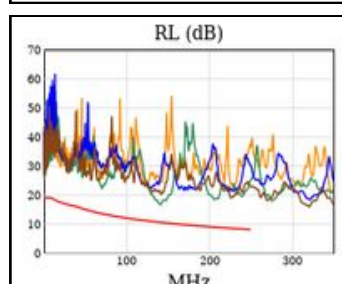
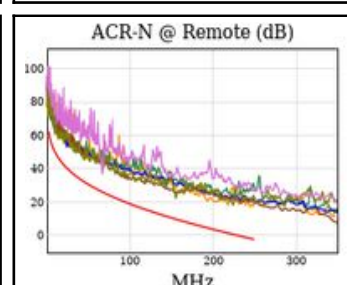
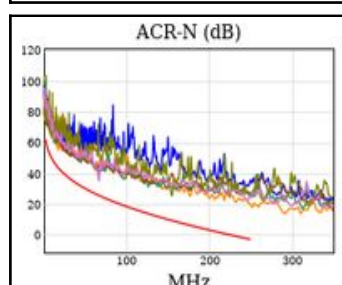
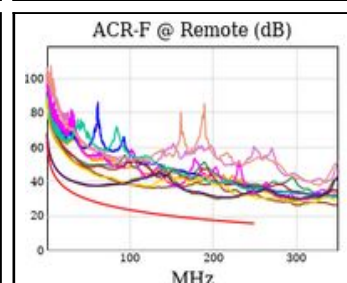
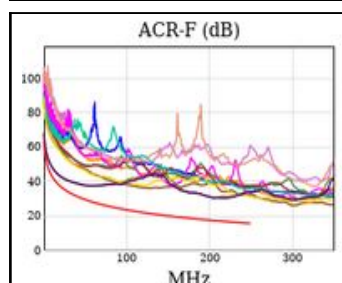
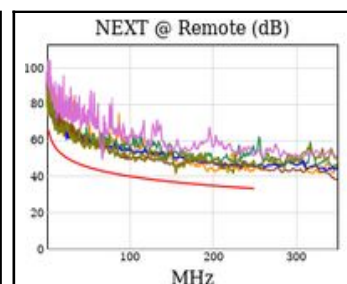
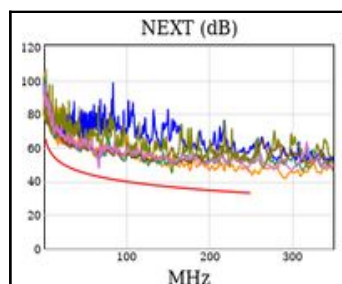
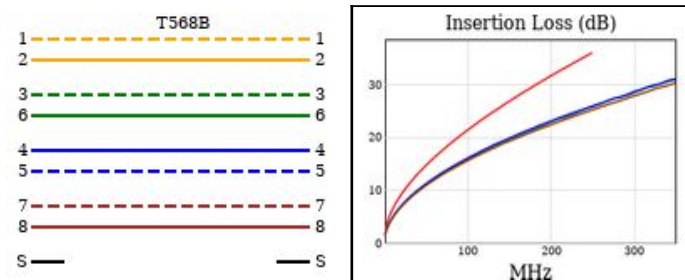
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	1,2
RL (dB)	6.1	8.8	6.1	12.8
Freq. (MHz)	141.0	5.0	141.0	249.5
Limit (dB)	10.5	19.0	10.5	8.0

Compliant Network Standards:

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



PASS





Cable ID: D18

Date / Time: 06/13/2023 05:49:24 PM Operator: MURAT
 Headroom: 4.3 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	286
Prop. Delay (ns), Limit 555	[Pair 4,5]	438
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	12.6
Insertion Loss Margin (dB)	[Pair 4,5]	9.9
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	10.4	4.3	10.4	4.7
Freq. (MHz)	225.0	27.6	225.0	203.5
Limit (dB)	33.9	49.3	33.9	34.7
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	11.3	6.3	12.3	6.3
Freq. (MHz)	3.3	203.5	225.0	203.5
Limit (dB)	62.0	31.7	31.0	31.7

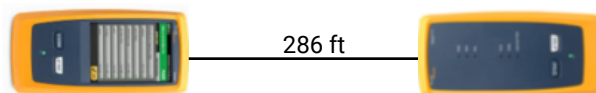
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	9.9	10.2	10.6	11.0
Freq. (MHz)	211.5	208.0	235.0	236.0
Limit (dB)	16.8	16.9	15.8	15.8
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	12.0	11.5	12.0	12.5
Freq. (MHz)	211.5	208.0	211.5	236.0
Limit (dB)	13.8	13.9	13.8	12.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	12.0	6.9	22.9	16.3
Freq. (MHz)	6.8	27.4	249.5	235.5
Limit (dB)	54.2	38.8	-2.8	-1.1
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	12.3	8.8	24.8	19.4
Freq. (MHz)	3.3	3.3	249.5	248.0
Limit (dB)	58.4	58.4	-5.7	-5.6

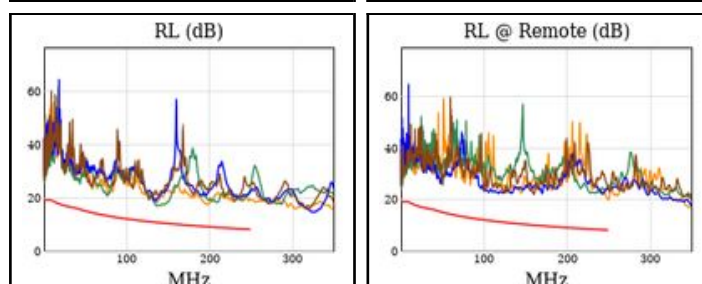
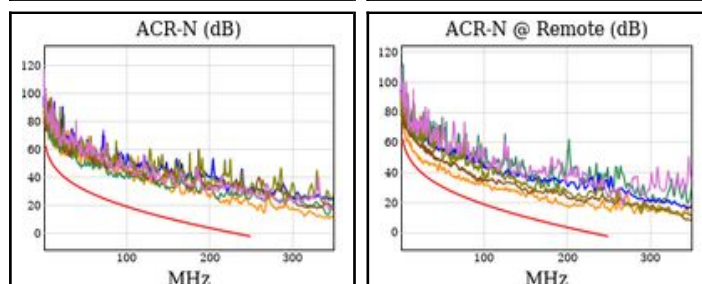
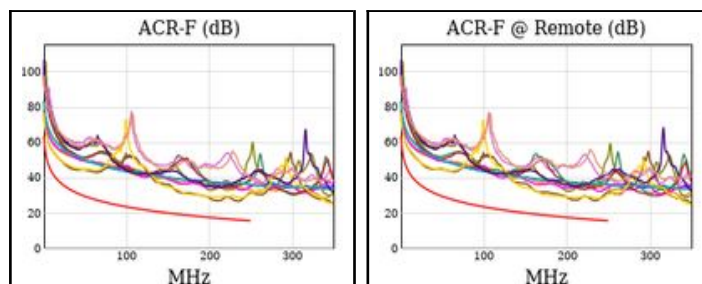
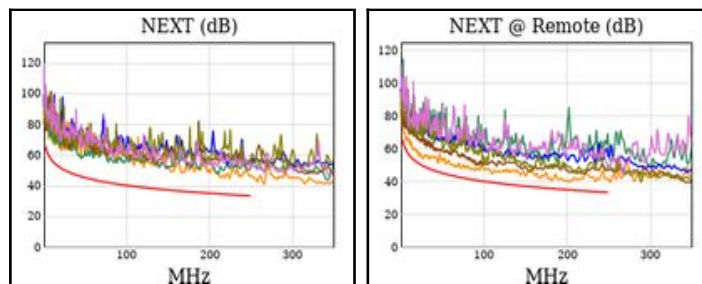
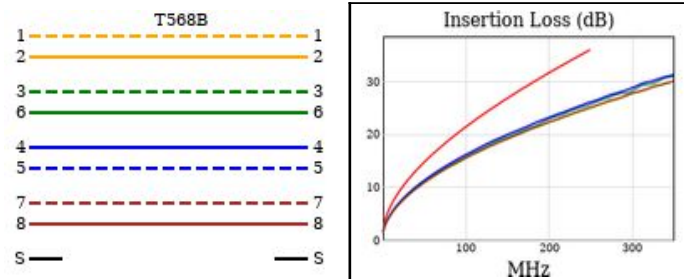
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	1,2
RL (dB)	6.3	9.3	6.4	11.6
Freq. (MHz)	137.5	5.0	140.5	250.0
Limit (dB)	10.6	19.0	10.5	8.0

Compliant Network Standards:

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



PASS





Cable ID: D19

Date / Time: 06/13/2023 05:50:14 PM Operator: MURAT
 Headroom: 6.4 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	286
Prop. Delay (ns), Limit 555	[Pair 4,5]	437
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	23.9
Insertion Loss Margin (dB)	[Pair 3,6]	9.8
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	1,2-4,5
NEXT (dB)	6.4	7.6	9.3	8.4
Freq. (MHz)	5.8	5.8	242.5	233.5
Limit (dB)	60.5	60.5	33.3	33.6
Worst Pair	3,6	1,2	3,6	1,2
PS NEXT (dB)	8.0	7.1	11.3	7.1
Freq. (MHz)	5.8	219.0	242.5	219.0
Limit (dB)	58.0	31.2	30.4	31.2

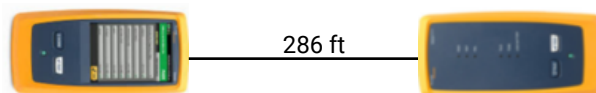
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	9.5	9.9	10.7	10.5
Freq. (MHz)	5.6	5.6	235.5	235.5
Limit (dB)	48.3	48.3	15.8	15.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.2	12.7	13.7	12.9
Freq. (MHz)	6.0	213.5	242.0	240.5
Limit (dB)	44.7	13.7	12.6	12.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	1,2-4,5
ACR-N (dB)	7.6	8.8	18.9	17.9
Freq. (MHz)	5.8	5.8	242.5	233.5
Limit (dB)	55.7	55.7	-2.0	-0.9
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-N (dB)	8.8	8.2	20.9	20.0
Freq. (MHz)	5.8	4.4	242.5	250.0
Limit (dB)	53.2	55.7	-4.9	-5.8

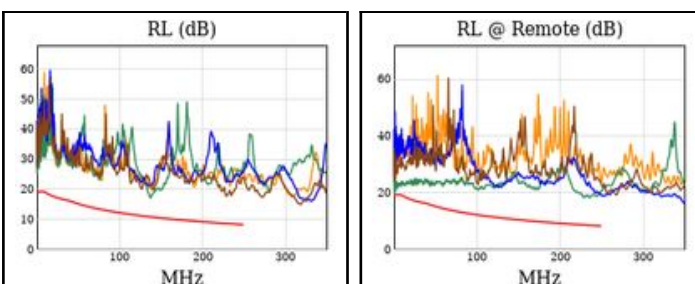
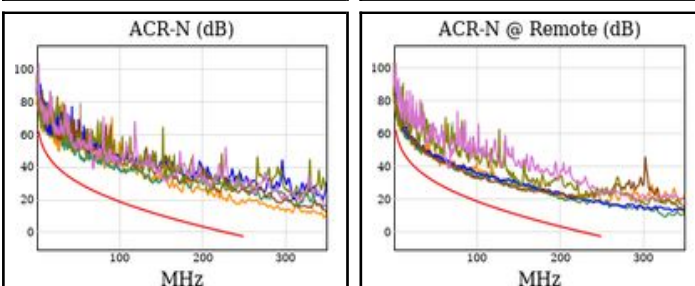
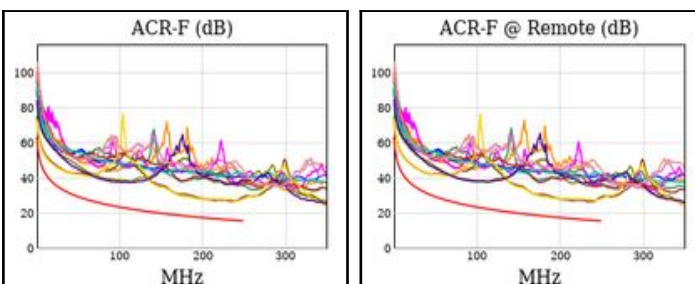
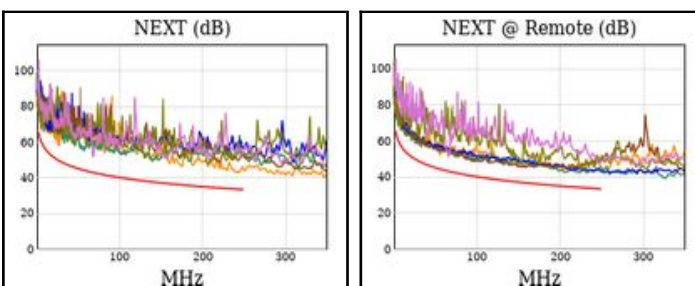
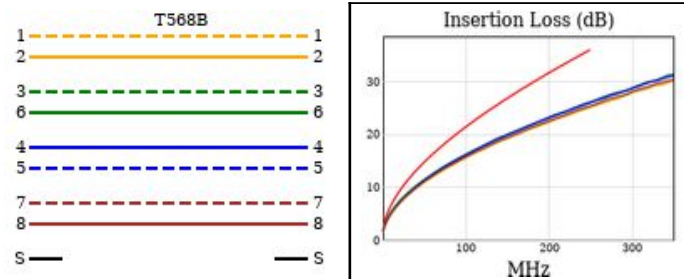
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
RL (dB)	6.3	2.3	6.3	9.7
Freq. (MHz)	138.0	5.0	138.0	236.5
Limit (dB)	10.6	19.0	10.6	8.3

Compliant Network Standards:

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



PASS





Cable ID: D2

Date / Time: 06/13/2023 05:37:14 PM Operator: MURAT
 Headroom: 1.9 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	311
Prop. Delay (ns), Limit 555	[Pair 4,5]	478
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 7,8]	13.8
Insertion Loss Margin (dB)	[Pair 4,5]	8.3
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	8.0	1.9	10.0	3.3
Freq. (MHz)	3.1	50.5	207.5	209.0
Limit (dB)	64.8	44.9	34.5	34.5
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	8.0	4.1	11.5	5.3
Freq. (MHz)	5.1	50.5	207.5	247.5
Limit (dB)	58.8	42.2	31.6	30.2

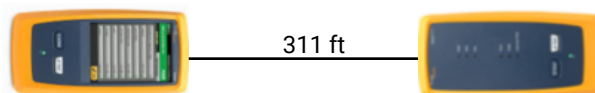
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.7	12.9	13.9	14.0
Freq. (MHz)	85.0	85.0	226.5	226.5
Limit (dB)	24.7	24.7	16.2	16.2
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	14.7	15.0	16.5	15.4
Freq. (MHz)	59.3	85.0	226.5	226.0
Limit (dB)	24.8	21.7	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	8.7	4.3	21.2	13.5
Freq. (MHz)	3.1	15.1	249.5	250.0
Limit (dB)	61.2	45.8	-2.8	-2.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.0	6.5	22.1	13.6
Freq. (MHz)	5.1	15.1	247.5	247.5
Limit (dB)	54.2	43.2	-5.5	-5.5

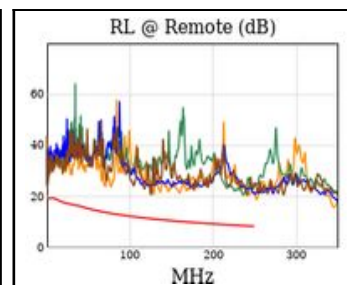
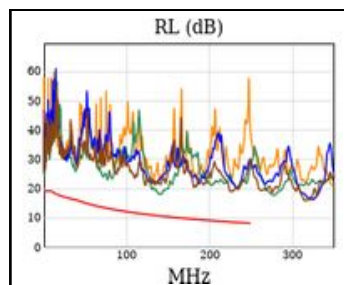
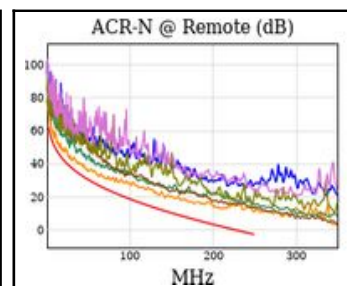
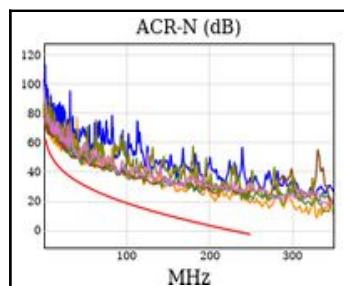
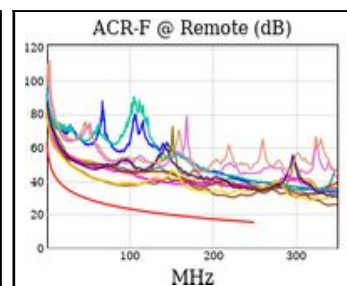
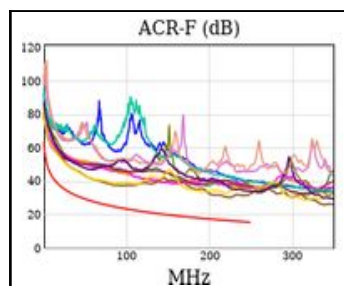
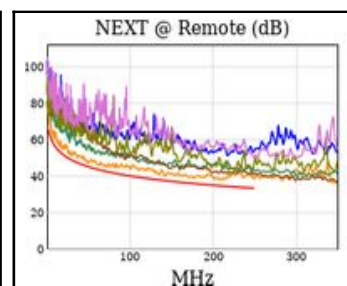
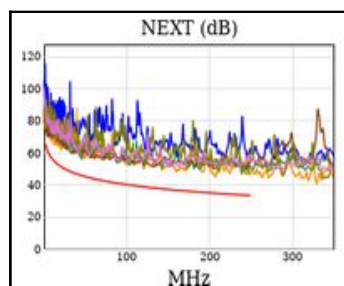
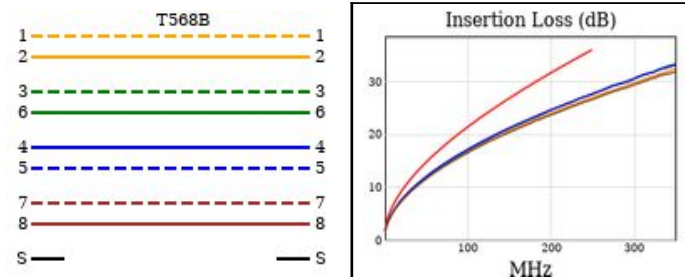
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	1,2
RL (dB)	7.4	9.0	7.4	11.7
Freq. (MHz)	142.5	3.5	142.5	242.0
Limit (dB)	10.5	19.0	10.5	8.2

Compliant Network Standards:

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



PASS





Cable ID: D20

Date / Time: 06/13/2023 05:50:36 PM Operator: MURAT
 Headroom: 4.4 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	286
Prop. Delay (ns), Limit 555	[Pair 4,5]	438
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	18.5
Insertion Loss Margin (dB)	[Pair 3,6]	10.2
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	3,6-7,8
NEXT (dB)	6.3	4.4	6.3	5.9
Freq. (MHz)	196.5	32.8	196.5	243.0
Limit (dB)	34.9	48.1	34.9	33.3
Worst Pair	1,2	1,2	1,2	7,8
PS NEXT (dB)	8.7	5.9	9.9	6.9
Freq. (MHz)	196.5	32.8	245.5	243.0
Limit (dB)	32.0	45.4	30.3	30.4

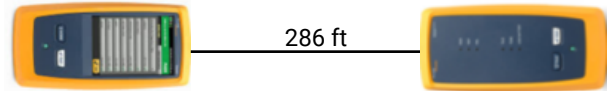
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	13.7	13.5	13.8	13.6
Freq. (MHz)	228.5	228.5	230.0	230.5
Limit (dB)	16.1	16.1	16.0	16.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	15.6	14.6	15.8	14.7
Freq. (MHz)	90.5	245.5	249.5	248.5
Limit (dB)	21.1	12.5	12.3	12.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	3,6-7,8
ACR-N (dB)	10.0	7.2	18.7	16.9
Freq. (MHz)	19.0	32.8	244.5	243.0
Limit (dB)	43.2	36.4	-2.2	-2.0
Worst Pair	4,5	3,6	1,2	3,6
PS ACR-N (dB)	10.7	8.2	21.0	17.3
Freq. (MHz)	3.3	3.3	247.5	243.0
Limit (dB)	58.4	58.4	-5.5	-5.0

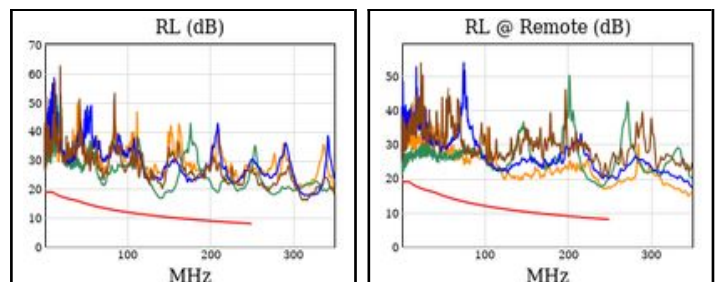
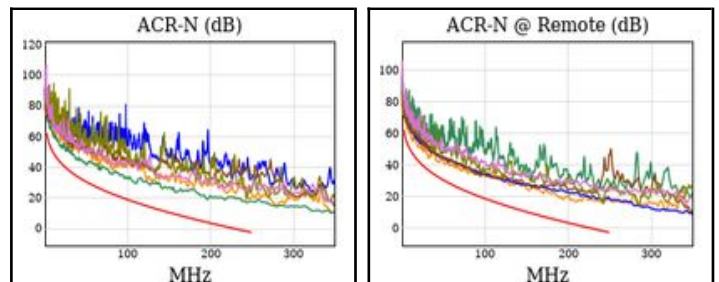
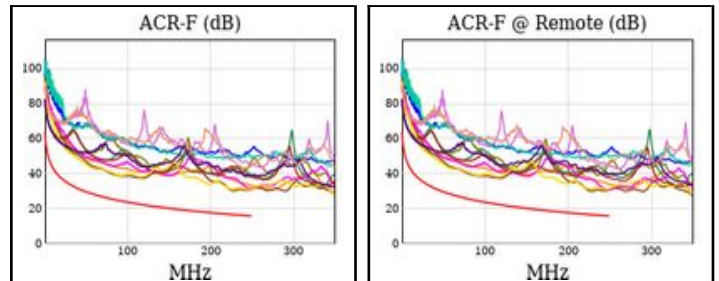
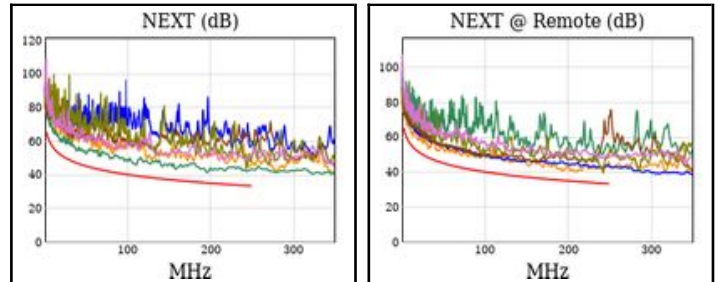
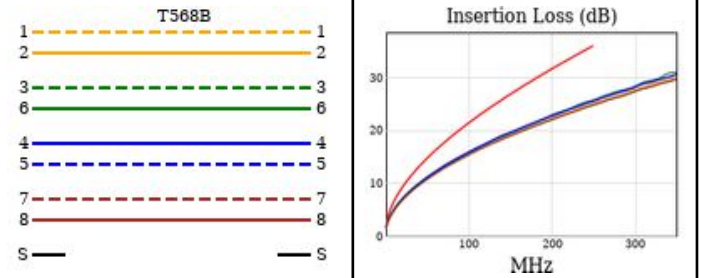
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	1,2
RL (dB)	6.3	4.1	6.3	8.9
Freq. (MHz)	142.0	5.0	142.0	247.0
Limit (dB)	10.5	19.0	10.5	8.1

Compliant Network Standards:

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



PASS





Cable ID: D21

Date / Time: 06/13/2023 05:52:51 PM Operator: MURAT
 Headroom: 6.4 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	281
Prop. Delay (ns), Limit 555	[Pair 4,5]	429
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	30.5
Insertion Loss Margin (dB)	[Pair 3,6]	10.2
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	6.4	6.9	7.8	9.6
Freq. (MHz)	66.3	91.0	220.0	233.0
Limit (dB)	43.0	40.6	34.1	33.6
Worst Pair	4,5	3,6	1,2	1,2
PS NEXT (dB)	8.8	7.9	10.3	10.7
Freq. (MHz)	66.3	3.4	220.5	247.0
Limit (dB)	40.2	61.7	31.1	30.2

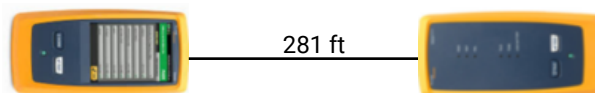
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	9.8	9.4	9.8	9.4
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	15.3	15.3	15.3	15.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.5	10.0	10.9	10.0
Freq. (MHz)	231.5	244.5	246.5	244.5
Limit (dB)	13.0	12.5	12.4	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	7.9	8.6	18.1	20.9
Freq. (MHz)	2.9	3.5	228.0	250.0
Limit (dB)	61.6	60.2	-0.2	-2.8
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-N (dB)	10.2	8.5	22.2	21.7
Freq. (MHz)	3.3	3.4	242.5	247.0
Limit (dB)	58.4	58.0	-4.9	-5.4

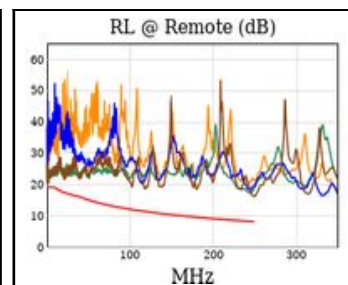
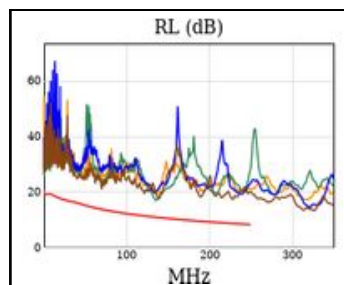
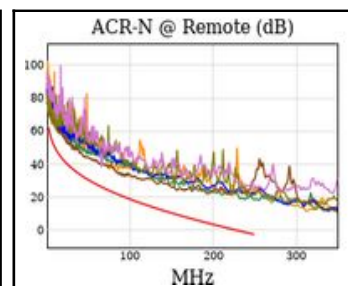
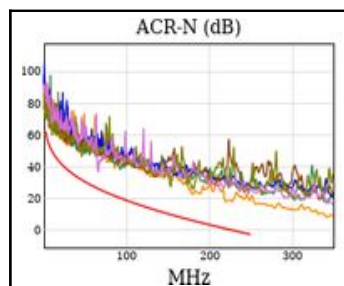
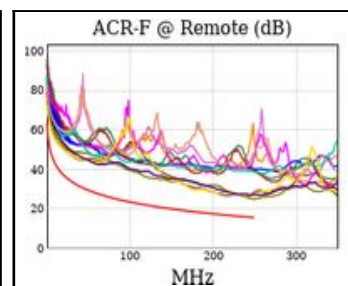
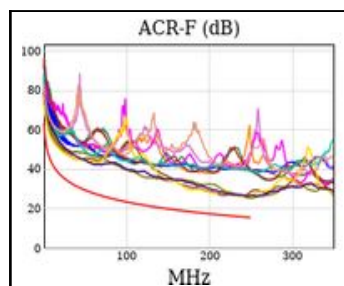
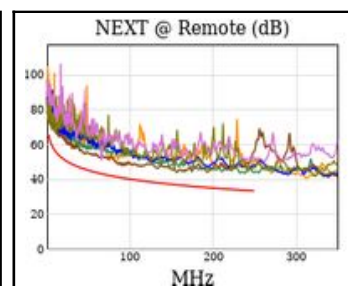
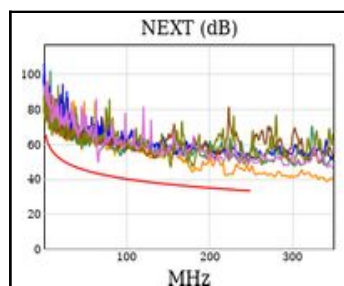
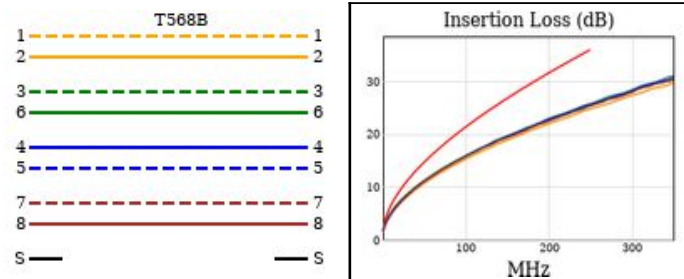
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	6.0	2.9	6.0	8.0
Freq. (MHz)	136.0	5.0	136.0	250.0
Limit (dB)	10.7	19.0	10.7	8.0

Compliant Network Standards:

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



PASS





Cable ID: D22

Date / Time: 06/13/2023 05:53:16 PM Operator: MURAT
 Headroom: 2.8 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	281
Prop. Delay (ns), Limit 555	[Pair 4,5]	429
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 3,6]	21.5
Insertion Loss Margin (dB)	[Pair 3,6]	10.1
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	6.9	2.8	9.4	2.8
Freq. (MHz)	154.5	250.0	218.0	250.0
Limit (dB)	36.7	33.1	34.1	33.1
Worst Pair	4,5	3,6	3,6	3,6
PS NEXT (dB)	8.8	4.5	10.9	4.5
Freq. (MHz)	65.3	250.0	224.0	250.0
Limit (dB)	40.3	30.2	31.0	30.2

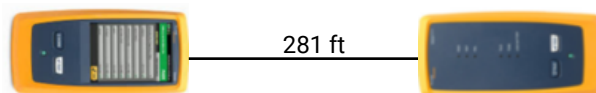
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	13.3	13.7	13.4	13.8
Freq. (MHz)	240.0	248.5	240.5	250.0
Limit (dB)	15.7	15.4	15.6	15.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.1	14.9	14.2	15.3
Freq. (MHz)	235.5	237.0	240.0	250.0
Limit (dB)	12.8	12.8	12.7	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	10.3	8.1	21.3	12.9
Freq. (MHz)	3.5	3.5	245.5	250.0
Limit (dB)	60.2	60.2	-2.3	-2.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.9	9.4	20.4	14.7
Freq. (MHz)	3.5	19.0	224.0	250.0
Limit (dB)	57.7	40.6	-2.7	-5.8

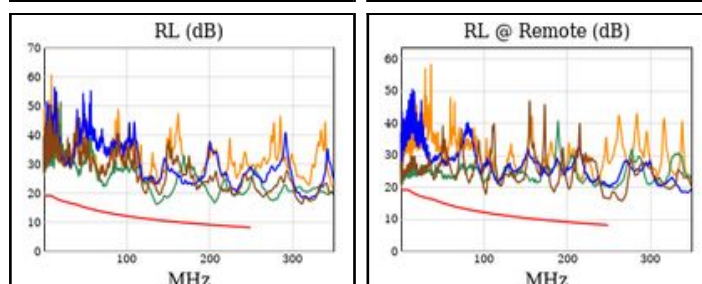
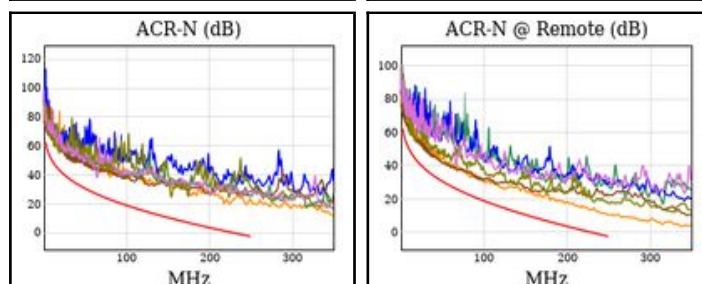
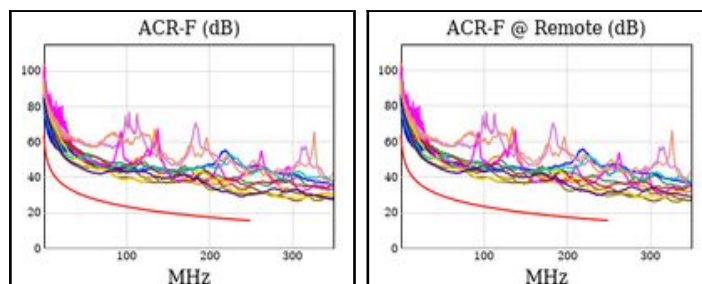
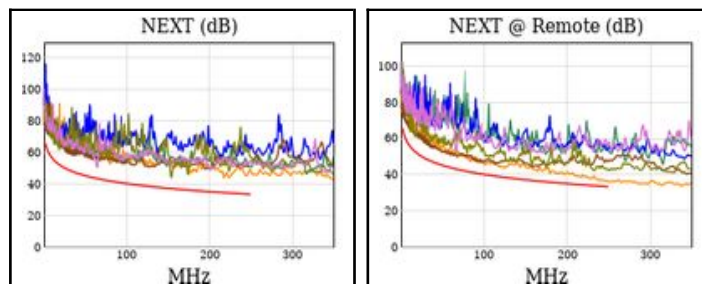
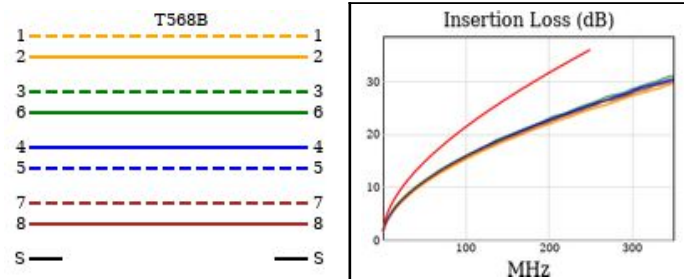
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	5.4	3.1	5.4	8.3
Freq. (MHz)	137.5	5.1	137.5	250.0
Limit (dB)	10.6	19.0	10.6	8.0

Compliant Network Standards:

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



PASS





Cable ID: D23

Date / Time: 06/13/2023 05:52:14 PM Operator: MURAT
 Headroom: 7.7 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	277
Prop. Delay (ns), Limit 555	[Pair 4,5]	425
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	14.7
Insertion Loss Margin (dB)	[Pair 3,6]	11.2
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	9.4	7.7	9.4	7.7
Freq. (MHz)	248.5	248.0	248.5	248.0
Limit (dB)	33.2	33.2	33.2	33.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	10.2	9.0	10.3	9.0
Freq. (MHz)	242.5	248.0	249.0	248.0
Limit (dB)	30.4	30.2	30.2	30.2

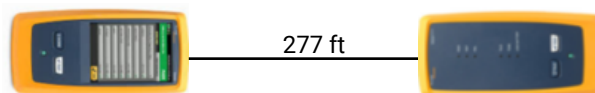
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	10.3	10.2	10.4	10.3
Freq. (MHz)	180.0	180.0	181.0	181.5
Limit (dB)	18.2	18.2	18.1	18.1
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-F (dB)	12.5	12.5	13.0	13.3
Freq. (MHz)	180.0	181.5	190.0	207.0
Limit (dB)	15.2	15.1	14.7	13.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	11.2	10.0	20.7	19.5
Freq. (MHz)	3.5	3.4	248.5	248.0
Limit (dB)	60.2	60.5	-2.7	-2.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.9	10.3	21.6	20.2
Freq. (MHz)	3.5	3.4	249.0	248.0
Limit (dB)	57.7	58.0	-5.7	-5.6

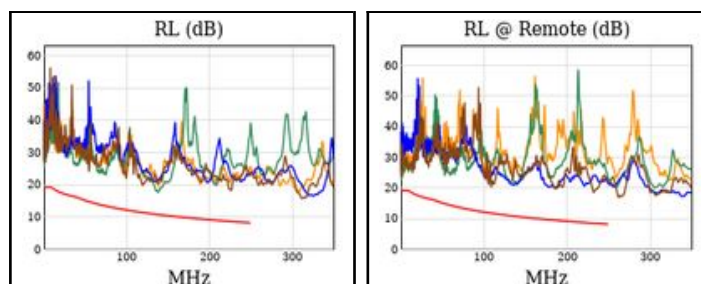
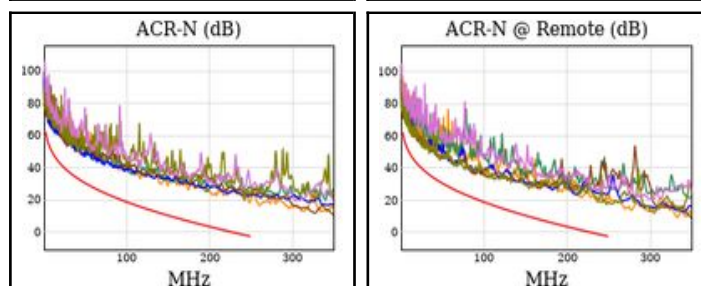
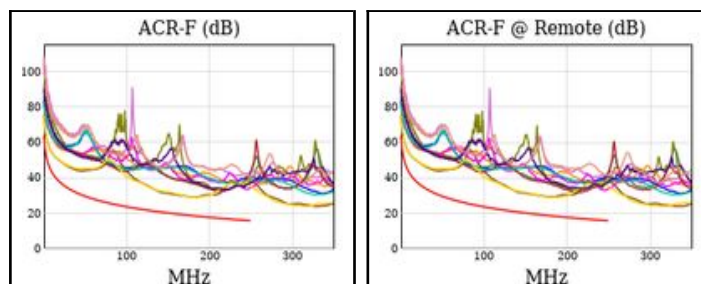
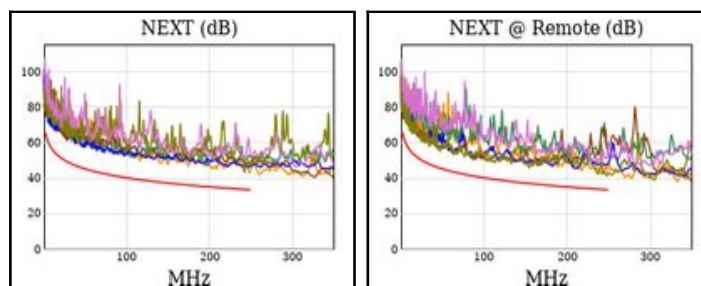
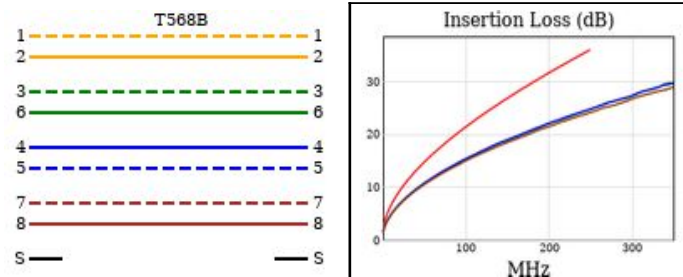
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	6.8	5.9	6.8	10.0
Freq. (MHz)	139.0	5.1	139.0	232.5
Limit (dB)	10.6	19.0	10.6	8.3

Compliant Network Standards:

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



PASS





Cable ID: D24

Date / Time: 06/13/2023 06:05:29 PM Operator: MURAT
 Headroom: 2.8 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	347
Prop. Delay (ns), Limit 555	[Pair 4,5]	531
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 3,6]	22.6
Insertion Loss Margin (dB)	[Pair 4,5]	4.8
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	4.6	2.8	9.9	7.9
Freq. (MHz)	5.8	3.8	239.0	173.5
Limit (dB)	60.5	63.5	33.5	35.8
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	6.1	4.8	10.3	9.8
Freq. (MHz)	3.6	3.8	239.5	222.5
Limit (dB)	61.2	61.0	30.5	31.0

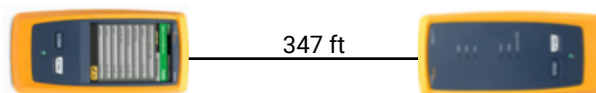
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	11.1	11.4	11.1	11.4
Freq. (MHz)	221.5	221.5	221.5	221.5
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	13.9	13.8	13.9	13.8
Freq. (MHz)	221.5	222.5	221.5	222.5
Limit (dB)	13.3	13.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	4.9	3.2	14.6	15.7
Freq. (MHz)	3.6	3.8	239.0	244.0
Limit (dB)	59.9	59.6	-1.5	-2.1
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	6.3	5.0	15.9	17.4
Freq. (MHz)	3.6	3.8	240.0	250.0
Limit (dB)	57.4	57.1	-4.6	-5.8

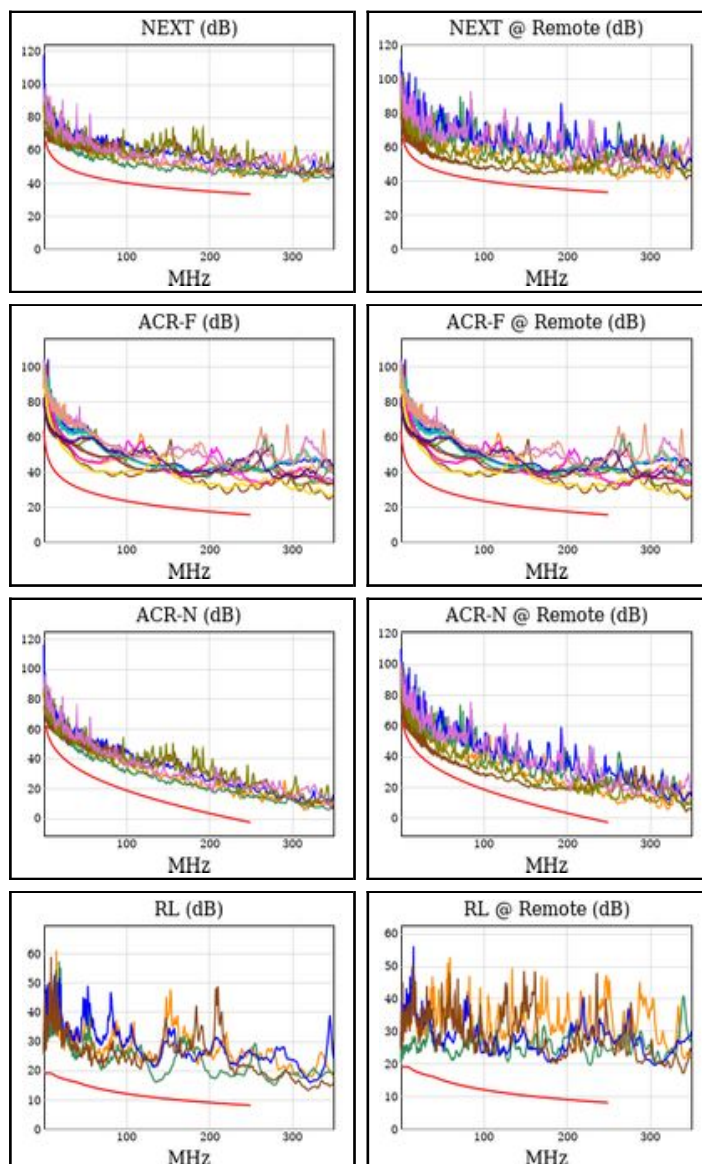
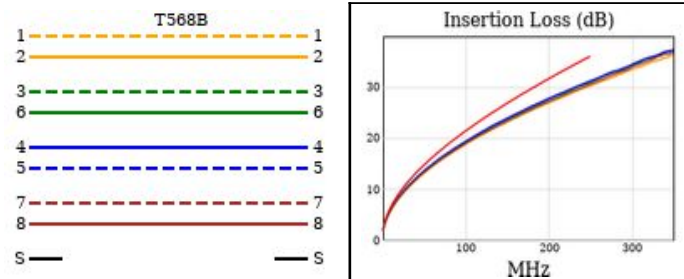
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
RL (dB)	5.2	2.7	5.3	11.2
Freq. (MHz)	136.0	3.3	136.5	229.0
Limit (dB)	10.7	19.0	10.6	8.4

Compliant Network Standards:

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



PASS





Cable ID: D25

Date / Time: 06/13/2023 06:27:01 PM Operator: MURAT
 Headroom: 4.3 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	345
Prop. Delay (ns), Limit 555	[Pair 4,5]	528
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	18.3
Insertion Loss Margin (dB)	[Pair 4,5]	4.7
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
NEXT (dB)	4.6	4.3	9.5	7.1
Freq. (MHz)	2.9	3.8	218.5	211.0
Limit (dB)	65.0	63.5	34.1	34.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	5.0	4.5	11.4	8.1
Freq. (MHz)	3.9	3.9	218.5	211.0
Limit (dB)	60.8	60.8	31.2	31.4

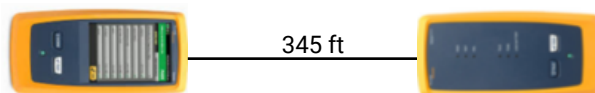
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	7,8-3,6	7,8-3,6
ACR-F (dB)	11.1	11.2	13.4	12.9
Freq. (MHz)	164.0	30.4	236.0	232.5
Limit (dB)	19.0	33.6	15.8	15.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.9	11.4	15.7	15.0
Freq. (MHz)	1.0	35.8	249.0	232.5
Limit (dB)	60.3	29.2	12.3	12.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	4.9	4.7	16.7	11.9
Freq. (MHz)	2.9	3.8	248.0	211.0
Limit (dB)	61.6	59.6	-2.6	1.9
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	5.4	4.8	18.3	15.5
Freq. (MHz)	3.9	3.8	248.0	239.5
Limit (dB)	56.8	57.1	-5.6	-4.6

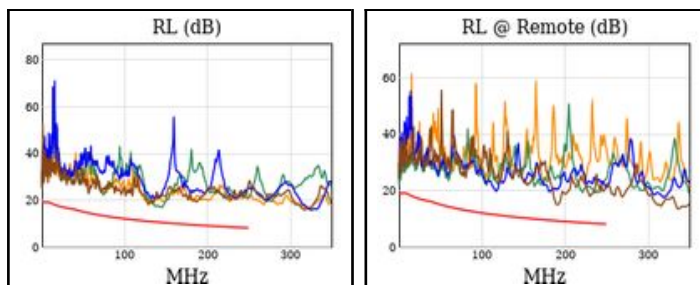
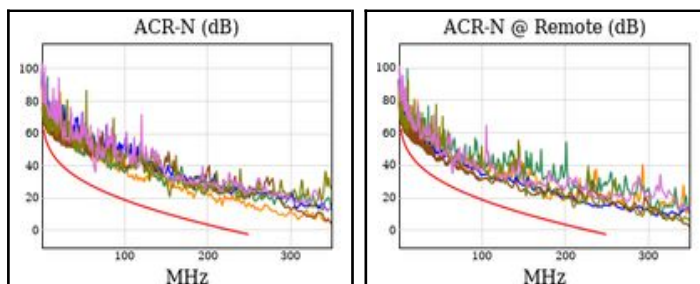
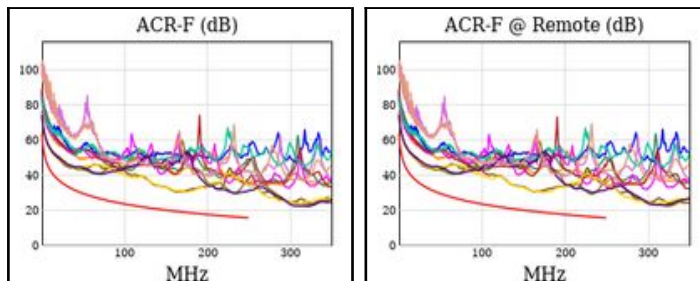
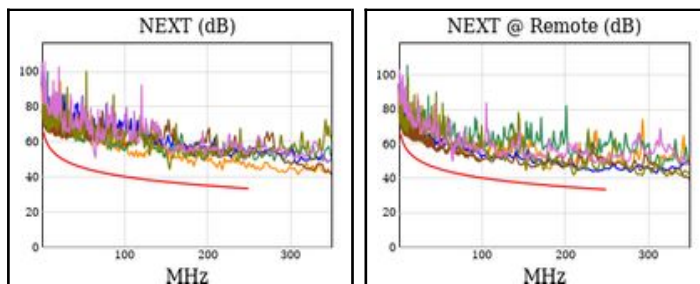
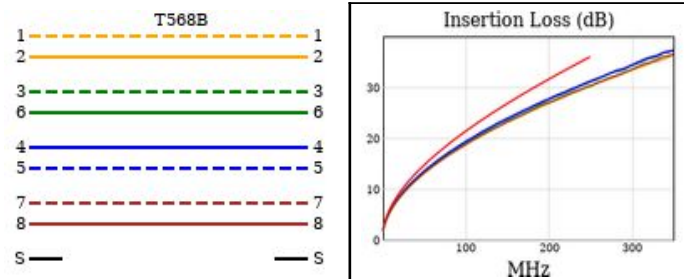
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	6.5	5.2	6.5	5.8
Freq. (MHz)	146.0	3.3	146.0	192.5
Limit (dB)	10.4	19.0	10.4	9.2

Compliant Network Standards:

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



PASS



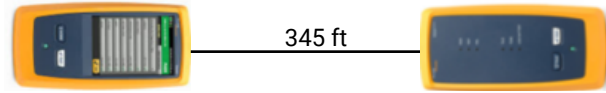


Cable ID: D26

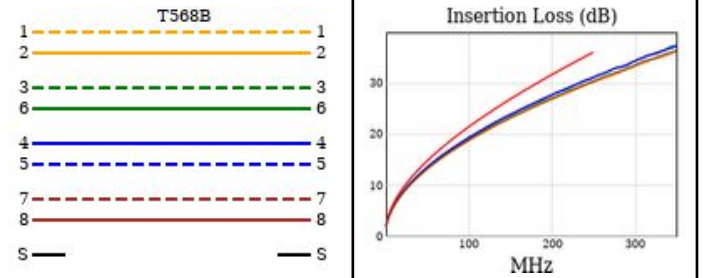
Date / Time: 06/13/2023 06:28:24 PM Operator: MURAT
 Headroom: 3.2 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	345
Prop. Delay (ns), Limit 555	[Pair 4,5]	527
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 3,6]	18.8
Insertion Loss Margin (dB)	[Pair 4,5]	4.9
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	3.6	3.2	10.9	6.4
Freq. (MHz)	2.9	2.9	217.0	243.0
Limit (dB)	65.0	65.0	34.2	33.3
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	4.1	5.0	13.5	8.0
Freq. (MHz)	3.0	2.9	218.0	241.5
Limit (dB)	62.0	62.0	31.2	30.4

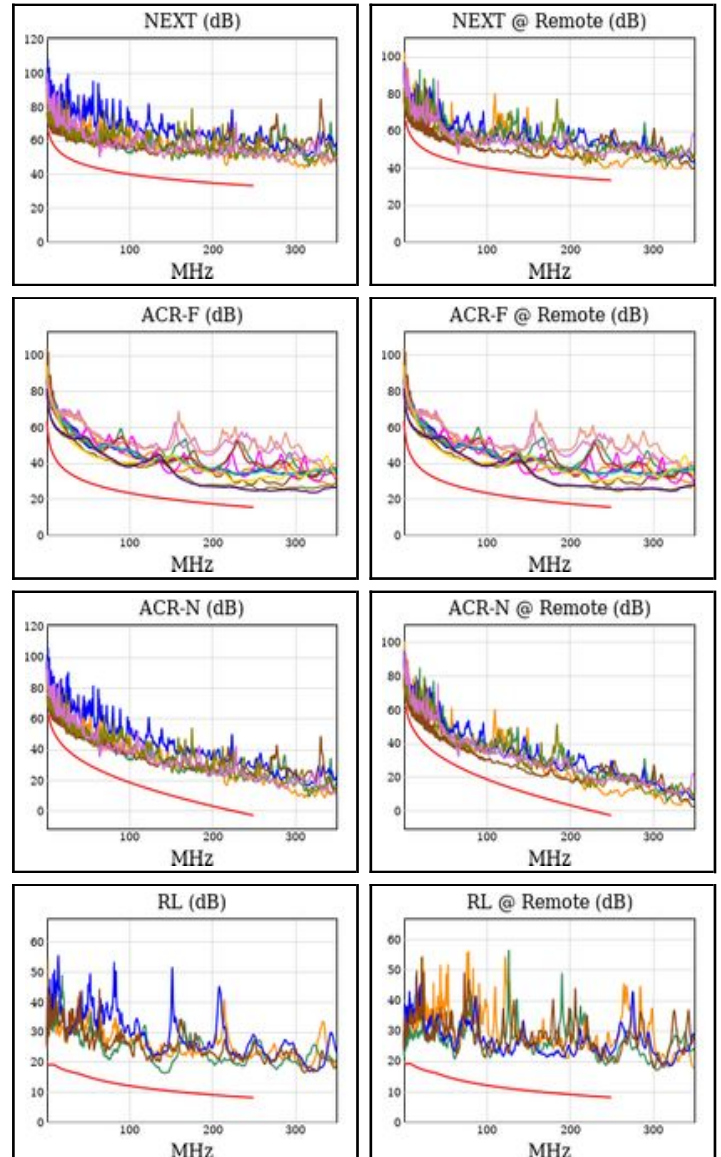
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	3,6-7,8
ACR-F (dB)	9.1	9.1	9.3	9.9
Freq. (MHz)	186.0	188.5	250.0	250.0
Limit (dB)	17.9	17.8	15.3	15.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.0	10.4	11.1	10.6
Freq. (MHz)	248.0	231.5	250.0	235.0
Limit (dB)	12.4	13.0	12.3	12.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	3.9	3.5	15.4	11.2
Freq. (MHz)	2.9	2.9	217.0	243.0
Limit (dB)	61.6	61.6	1.1	-2.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	4.4	5.2	21.2	12.8
Freq. (MHz)	3.0	2.9	249.5	241.5
Limit (dB)	58.5	58.6	-5.7	-4.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
RL (dB)	5.7	5.2	5.8	10.5
Freq. (MHz)	142.5	3.3	143.5	243.5
Limit (dB)	10.5	19.0	10.4	8.1

Compliant Network Standards:

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



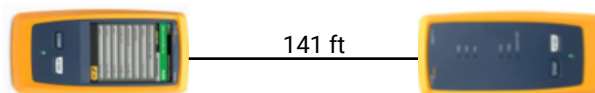


Cable ID: D27

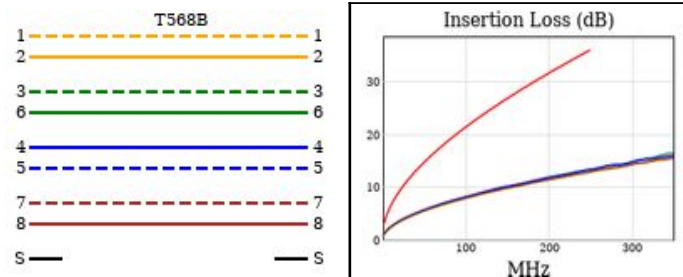
Date / Time: 06/13/2023 05:18:34 PM Operator: MURAT
 Headroom: 4.1 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 3,6]	6.9
Insertion Loss Margin (dB)	[Pair 4,5]	22.6
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	1,2-3,6	1,2-3,6
NEXT (dB)	7.4	4.1	9.6	6.5
Freq. (MHz)	66.0	154.5	234.0	223.0
Limit (dB)	43.0	36.7	33.6	34.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.1	5.7	10.2	6.1
Freq. (MHz)	4.5	155.0	223.0	222.5
Limit (dB)	59.7	33.8	31.0	31.0

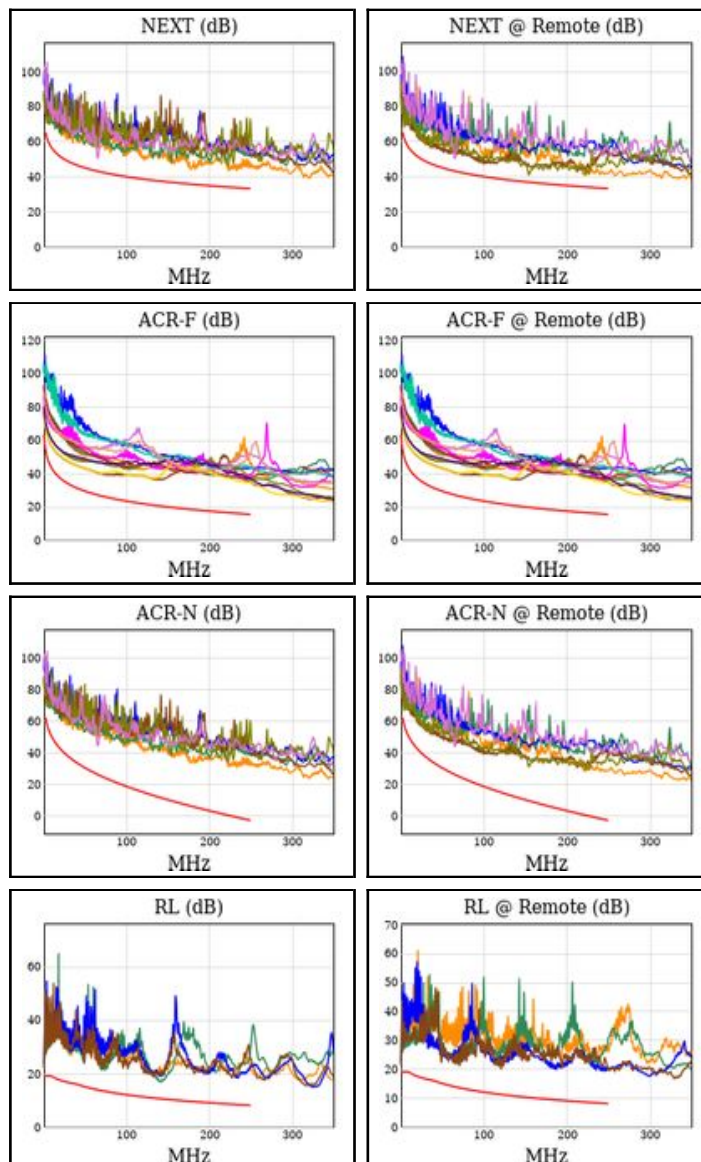
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	12.9	12.9	18.7	18.8
Freq. (MHz)	12.9	10.0	245.0	248.0
Limit (dB)	41.1	43.3	15.5	15.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.0	14.3	19.9	19.2
Freq. (MHz)	1.1	28.4	250.0	250.0
Limit (dB)	59.2	31.2	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	1,2-3,6
ACR-N (dB)	11.1	8.7	31.3	27.6
Freq. (MHz)	4.3	4.4	234.0	223.0
Limit (dB)	58.5	58.2	-1.0	0.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.8	9.3	31.3	27.1
Freq. (MHz)	4.5	4.4	223.0	222.5
Limit (dB)	55.4	55.7	-2.6	-2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	4,5
RL (dB)	6.2	7.1	6.2	11.0
Freq. (MHz)	142.0	49.5	142.0	245.5
Limit (dB)	10.5	15.1	10.5	8.1

Compliant Network Standards:

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





Cable ID: D28

Date / Time: 06/13/2023 05:24:59 PM Operator: MURAT
 Headroom: 7.6 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	20.1
Insertion Loss Margin (dB)	[Pair 3,6]	22.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-7,8
NEXT (dB)	9.6	7.6	9.6	7.8
Freq. (MHz)	216.5	152.0	216.5	243.5
Limit (dB)	34.2	36.8	34.2	33.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	11.5	8.9	11.5	8.9
Freq. (MHz)	243.0	243.0	243.0	243.0
Limit (dB)	30.4	30.4	30.4	30.4

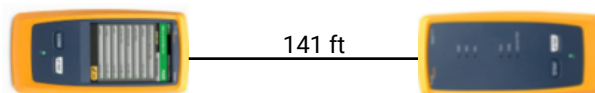
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	13.0	12.9	14.5	14.4
Freq. (MHz)	158.5	158.5	247.0	249.0
Limit (dB)	19.3	19.3	15.4	15.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	15.1	14.9	17.5	16.6
Freq. (MHz)	163.0	158.5	247.0	249.0
Limit (dB)	16.0	16.3	12.4	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	13.5	12.9	33.1	30.3
Freq. (MHz)	2.3	4.5	242.0	243.5
Limit (dB)	61.9	58.0	-1.9	-2.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	15.0	13.6	33.8	31.2
Freq. (MHz)	4.4	4.4	243.0	243.0
Limit (dB)	55.7	55.7	-5.0	-5.0

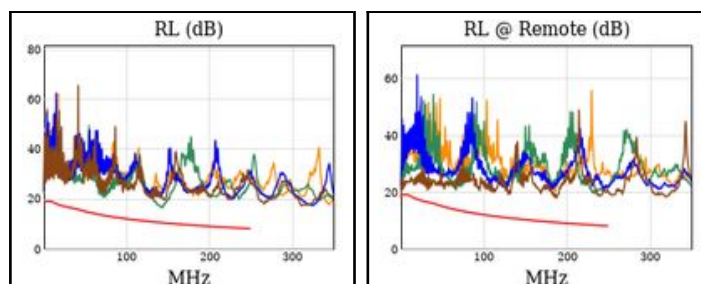
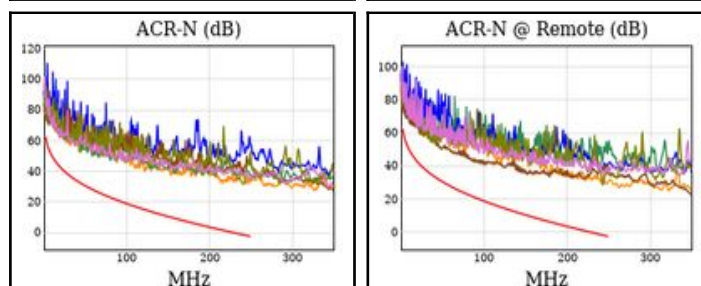
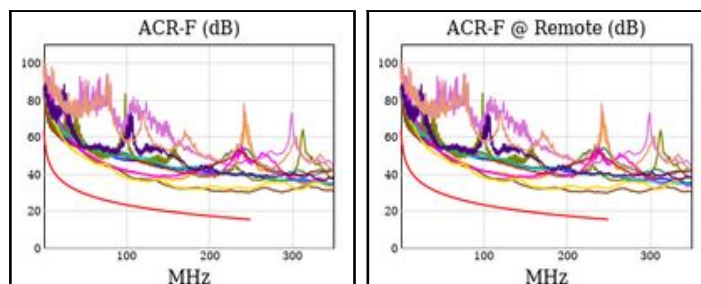
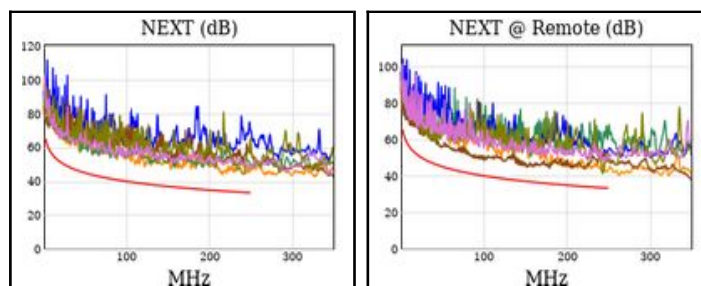
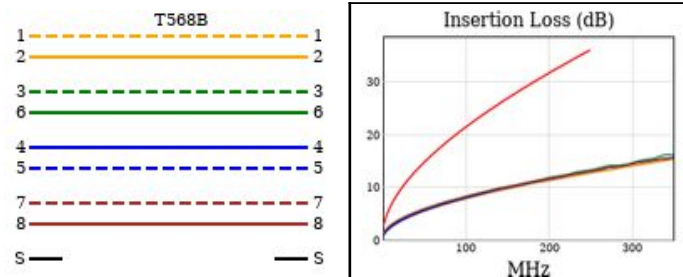
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	7,8
RL (dB)	6.0	4.2	6.0	8.5
Freq. (MHz)	144.0	32.8	144.0	188.0
Limit (dB)	10.4	16.4	10.4	9.3

Compliant Network Standards:

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



PASS





Cable ID: D29

Date / Time: 06/13/2023 05:24:14 PM Operator: MURAT
 Headroom: 5.7 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	141
Prop. Delay (ns), Limit 555	[Pair 4,5]	214
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	6.8
Insertion Loss Margin (dB)	[Pair 3,6]	22.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	7.0	5.7	9.1	5.7
Freq. (MHz)	6.6	225.5	245.5	225.5
Limit (dB)	59.5	33.9	33.3	33.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	8.3	6.9	10.9	6.9
Freq. (MHz)	6.9	225.0	245.5	225.0
Limit (dB)	56.7	31.0	30.3	31.0

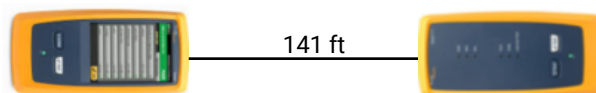
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	10.6	10.2	11.2	10.7
Freq. (MHz)	213.5	213.5	242.5	242.5
Limit (dB)	16.7	16.7	15.6	15.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.5	12.8	13.9	12.9
Freq. (MHz)	230.5	242.5	250.0	243.0
Limit (dB)	13.0	12.6	12.3	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	10.3	10.1	31.6	27.3
Freq. (MHz)	6.6	3.3	245.5	225.5
Limit (dB)	54.3	60.9	-2.3	0.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.6	10.7	33.4	28.2
Freq. (MHz)	6.9	7.0	245.5	225.0
Limit (dB)	51.4	51.3	-5.3	-2.8

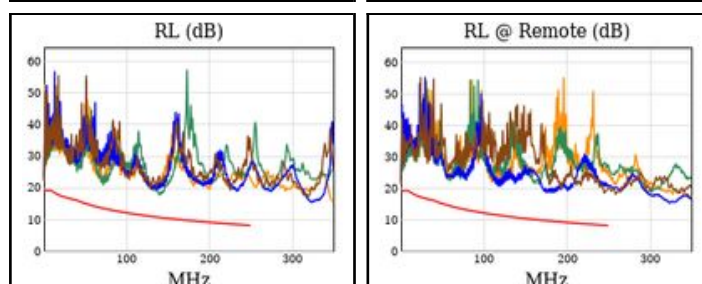
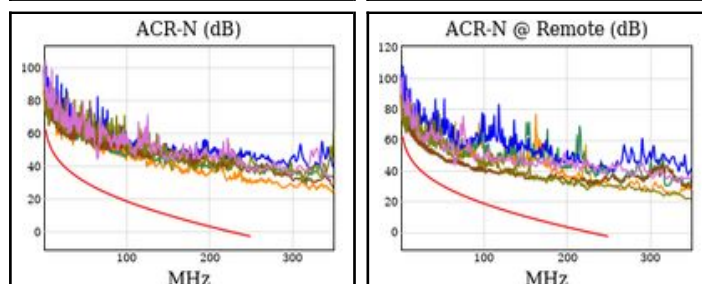
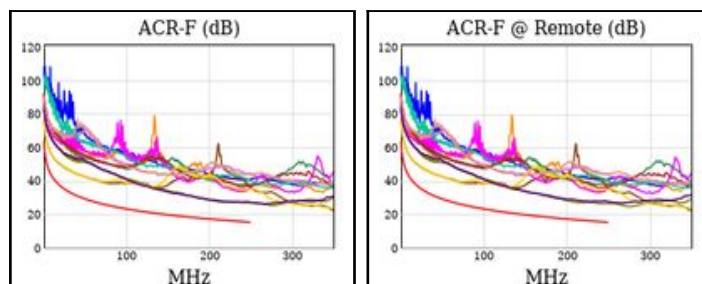
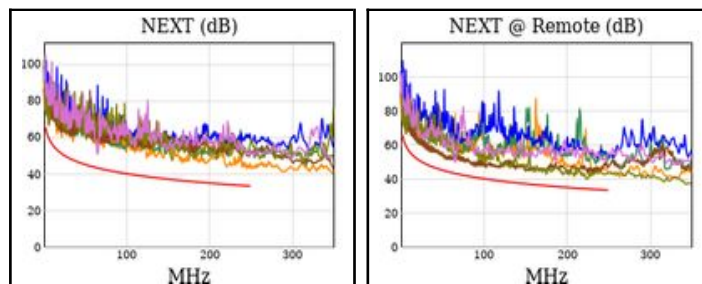
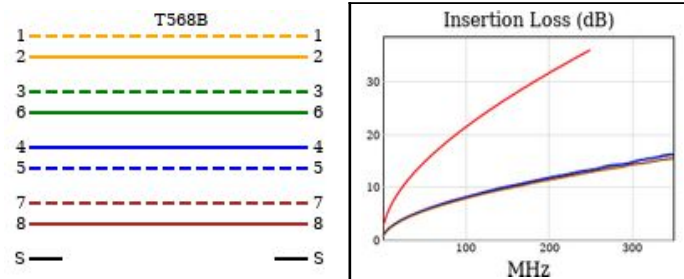
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	1,2	3,6	4,5
RL (dB)	7.0	8.0	7.0	8.7
Freq. (MHz)	140.0	60.5	140.0	175.5
Limit (dB)	10.5	14.2	10.5	9.6

Compliant Network Standards:

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



PASS



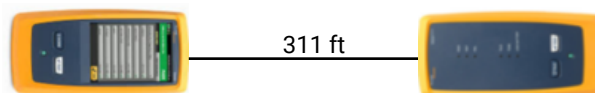


Cable ID: D3

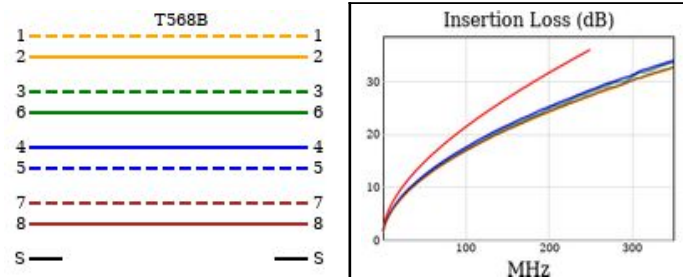
Date / Time: 06/13/2023 05:37:35 PM Operator: MURAT
 Headroom: 6.7 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	311
Prop. Delay (ns), Limit 555	[Pair 4,5]	477
Delay Skew (ns), Limit 50	[Pair 4,5]	18
Resistance (ohms)	[Pair 7,8]	14.1
Insertion Loss Margin (dB)	[Pair 4,5]	7.6
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	8.1	6.7	10.5	10.1
Freq. (MHz)	3.3	3.1	242.0	244.5
Limit (dB)	64.5	64.8	33.4	33.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.3	6.7	12.8	8.7
Freq. (MHz)	3.3	3.1	249.0	204.5
Limit (dB)	62.0	62.0	30.2	31.7

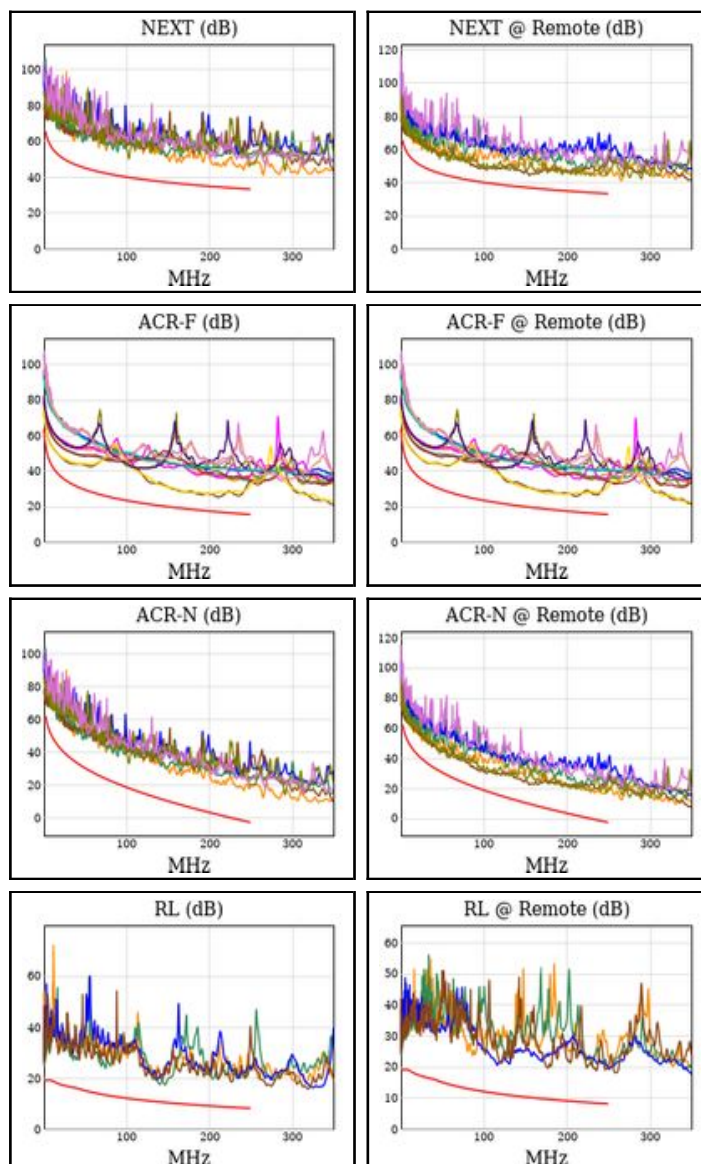
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	8.3	8.8	8.3	8.9
Freq. (MHz)	211.5	211.5	211.5	212.0
Limit (dB)	16.8	16.8	16.8	16.7
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	11.1	11.3	11.1	11.4
Freq. (MHz)	211.5	211.5	211.5	212.0
Limit (dB)	13.8	13.8	13.8	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	8.7	7.4	18.4	18.1
Freq. (MHz)	3.3	3.1	242.0	244.5
Limit (dB)	60.9	61.2	-1.9	-2.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.0	7.5	20.9	18.5
Freq. (MHz)	3.3	3.1	249.0	247.5
Limit (dB)	58.4	58.4	-5.7	-5.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	6.9	8.6	7.0	10.3
Freq. (MHz)	146.0	3.5	147.0	236.0
Limit (dB)	10.4	19.0	10.3	8.3

Compliant Network Standards:

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





Cable ID: D30

Date / Time: 06/13/2023 05:25:26 PM Operator: MURAT
 Headroom: 7.6 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	140
Prop. Delay (ns), Limit 555	[Pair 4,5]	215
Delay Skew (ns), Limit 50	[Pair 4,5]	8
Resistance (ohms)	[Pair 7,8]	16.8
Insertion Loss Margin (dB)	[Pair 3,6]	22.8
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	9.1	7.6	10.0	8.7
Freq. (MHz)	4.6	147.5	244.0	243.5
Limit (dB)	62.0	37.1	33.3	33.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.8	9.0	11.0	9.3
Freq. (MHz)	4.3	147.5	243.5	243.5
Limit (dB)	60.1	34.2	30.4	30.4

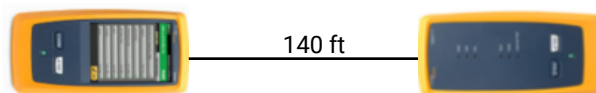
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	13.3	13.3	14.6	14.4
Freq. (MHz)	120.0	158.5	244.5	244.5
Limit (dB)	21.7	19.3	15.5	15.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	14.5	14.5	17.3	14.9
Freq. (MHz)	117.5	149.0	244.5	208.0
Limit (dB)	18.9	16.8	12.5	13.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-7,8	3,6-7,8
ACR-N (dB)	11.8	11.1	32.6	31.3
Freq. (MHz)	4.6	3.3	244.0	243.5
Limit (dB)	57.7	60.9	-2.1	-2.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	12.3	11.6	33.4	31.7
Freq. (MHz)	4.3	4.3	243.5	243.5
Limit (dB)	56.0	56.0	-5.0	-5.0

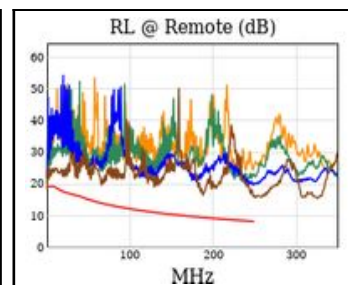
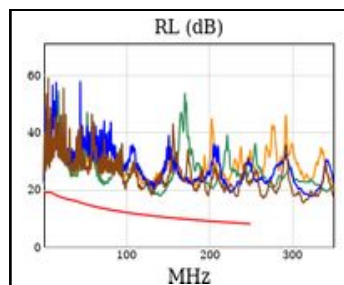
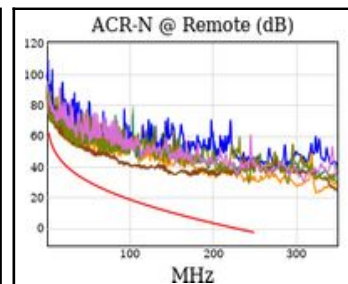
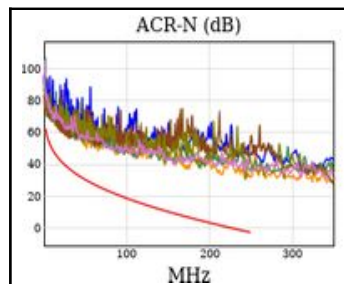
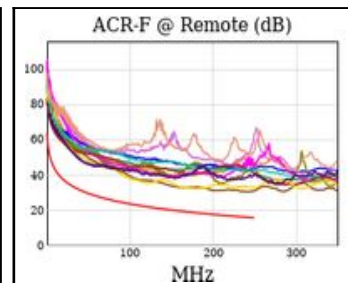
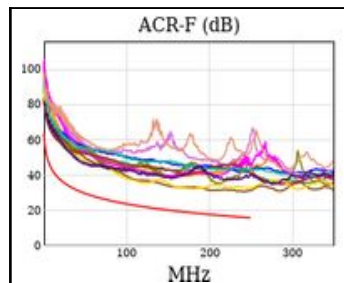
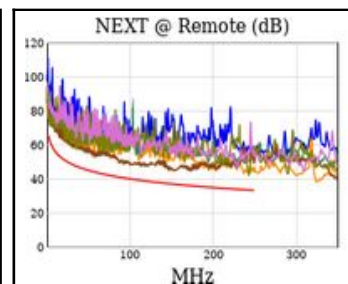
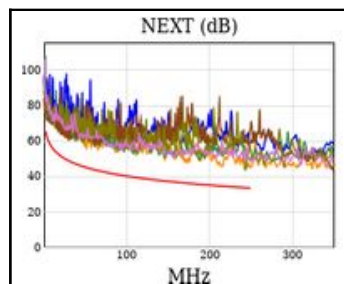
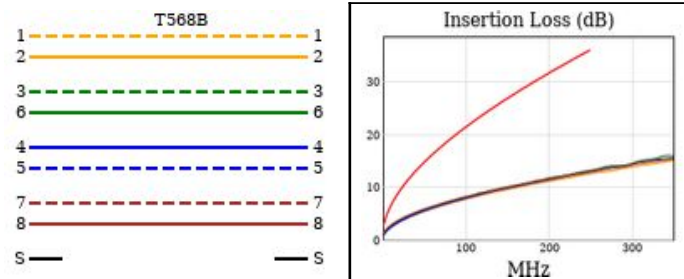
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.2	4.7	9.3	7.7
Freq. (MHz)	130.5	20.1	234.0	249.0
Limit (dB)	10.8	17.5	8.3	8.0

Compliant Network Standards:

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



PASS



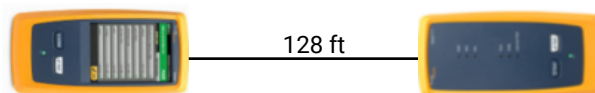


Cable ID: D31

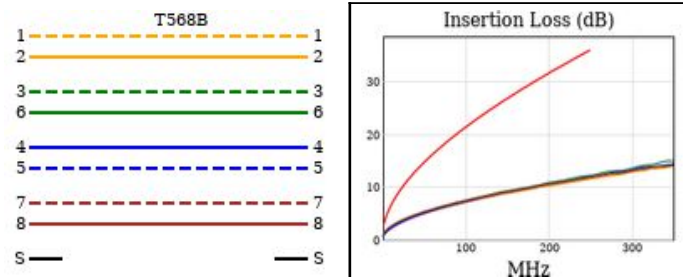
Date / Time: 06/13/2023 05:26:15 PM Operator: MURAT
 Headroom: 5.8 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	128
Prop. Delay (ns), Limit 555	[Pair 4,5]	196
Delay Skew (ns), Limit 50	[Pair 4,5]	7
Resistance (ohms)	[Pair 7,8]	15.9
Insertion Loss Margin (dB)	[Pair 3,6]	23.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	7.7	5.8	8.3	6.5
Freq. (MHz)	2.9	93.3	225.0	221.5
Limit (dB)	65.0	40.4	33.9	34.0
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	10.4	7.8	10.9	7.8
Freq. (MHz)	5.5	219.0	225.0	219.0
Limit (dB)	58.3	31.2	31.0	31.2

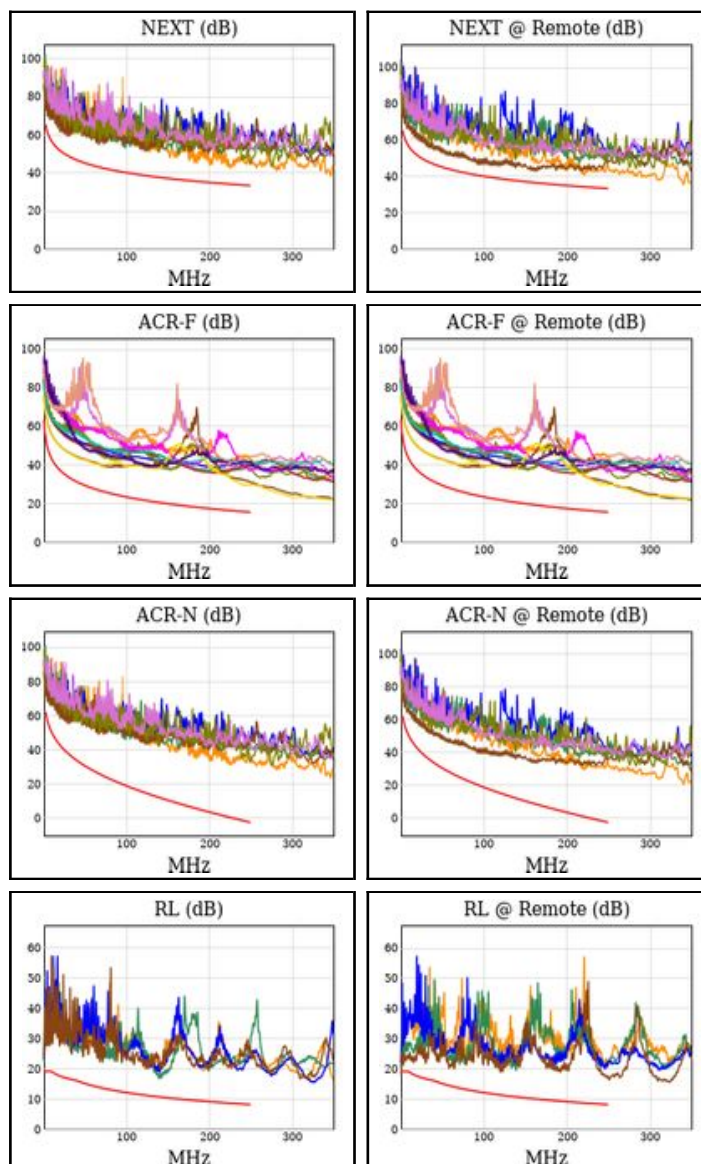
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	12.0	12.1	13.8	14.1
Freq. (MHz)	9.3	9.3	249.0	249.0
Limit (dB)	43.9	43.9	15.3	15.3
Worst Pair	4,5	4,5	3,6	4,5
PS ACR-F (dB)	14.4	14.3	16.5	16.2
Freq. (MHz)	1.0	8.5	249.0	249.0
Limit (dB)	60.3	41.7	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	10.0	9.4	30.6	28.5
Freq. (MHz)	2.9	2.6	225.0	221.5
Limit (dB)	61.6	61.7	0.1	0.6
Worst Pair	4,5	3,6	3,6	3,6
PS ACR-N (dB)	12.8	11.8	35.8	29.8
Freq. (MHz)	3.1	2.9	250.0	219.0
Limit (dB)	58.4	58.6	-5.8	-2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	7,8
RL (dB)	5.9	4.0	5.9	8.9
Freq. (MHz)	139.5	16.1	139.5	248.0
Limit (dB)	10.6	18.0	10.6	8.1

Compliant Network Standards:

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



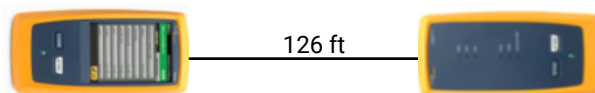


Cable ID: D32

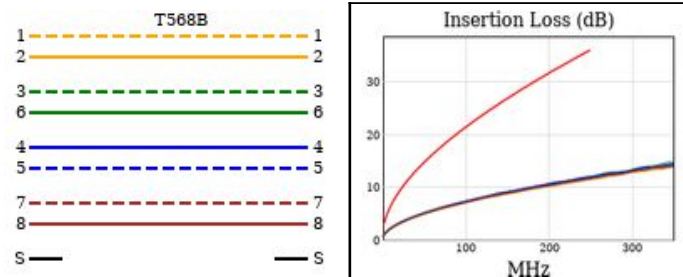
Date / Time: 06/13/2023 05:32:16 PM Operator: MURAT
 Headroom: 4.6 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	126
Prop. Delay (ns), Limit 555	[Pair 4,5]	192
Delay Skew (ns), Limit 50	[Pair 4,5]	6
Resistance (ohms)	[Pair 3,6]	5.6
Insertion Loss Margin (dB)	[Pair 3,6]	23.9
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	6.3	4.6	10.1	4.6
Freq. (MHz)	44.0	220.0	234.0	220.0
Limit (dB)	45.9	34.1	33.6	34.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	7.3	5.4	11.3	5.5
Freq. (MHz)	8.1	157.5	234.5	219.0
Limit (dB)	55.5	33.7	30.6	31.2

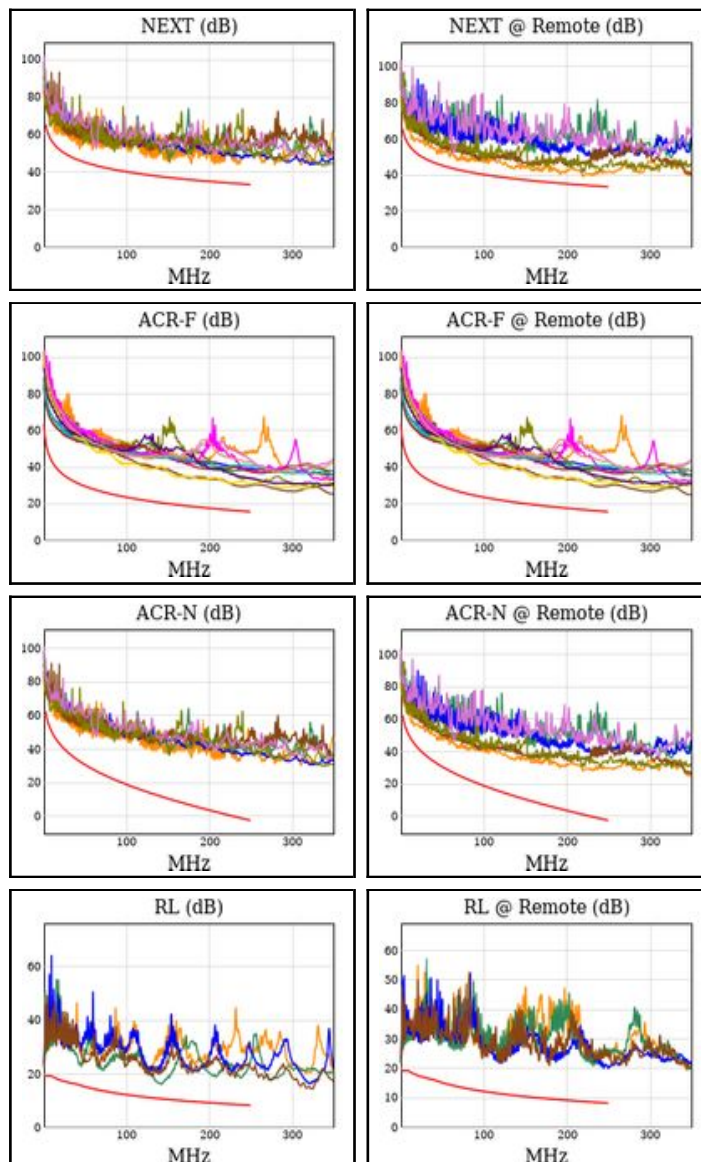
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	13.3	13.2	13.4	13.2
Freq. (MHz)	240.0	240.5	240.5	240.5
Limit (dB)	15.7	15.6	15.6	15.6
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	15.6	14.4	15.7	14.4
Freq. (MHz)	240.0	240.5	240.5	240.5
Limit (dB)	12.7	12.6	12.6	12.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	10.6	10.2	33.1	27.0
Freq. (MHz)	8.9	13.5	234.0	220.0
Limit (dB)	51.5	47.1	-1.0	0.7
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	11.1	10.9	34.9	27.8
Freq. (MHz)	8.1	2.9	234.5	219.0
Limit (dB)	49.8	58.6	-4.0	-2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	3,6	4,5
RL (dB)	5.5	10.1	5.5	11.6
Freq. (MHz)	143.5	121.5	143.5	250.0
Limit (dB)	10.4	11.2	10.4	8.0

Compliant Network Standards:

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





Cable ID: D33

Date / Time: 06/13/2023 05:33:19 PM Operator: MURAT
 Headroom: 2.2 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

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

Length (ft), Limit 328	[Pair 7,8]	60
Prop. Delay (ns), Limit 555	[Pair 4,5]	90
Delay Skew (ns), Limit 50	[Pair 4,5]	2
Resistance (ohms)	[Pair 7,8]	3.2
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	247.5
Limit (dB)	[Pair 3,6]	35.7

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	6.4	2.2	6.4	2.2
Freq. (MHz)	240.0	240.0	240.0	240.0
Limit (dB)	33.4	33.4	33.4	33.4
Worst Pair	1,2	1,2	1,2	1,2
PS NEXT (dB)	8.0	4.3	8.5	4.3
Freq. (MHz)	155.0	240.0	240.0	240.0
Limit (dB)	33.8	30.5	30.5	30.5

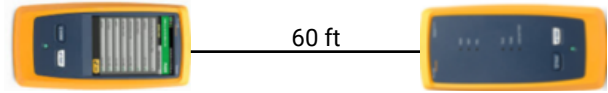
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	11.4	11.4	12.5	12.3
Freq. (MHz)	95.5	95.5	212.5	212.5
Limit (dB)	23.7	23.7	16.7	16.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.0	13.9	15.0	14.9
Freq. (MHz)	103.5	206.5	239.0	238.5
Limit (dB)	20.0	14.0	12.7	12.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	13.4	13.4	35.3	31.1
Freq. (MHz)	6.0	5.8	240.0	240.0
Limit (dB)	55.3	55.7	-1.7	-1.7
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-N (dB)	14.7	14.2	37.6	33.5
Freq. (MHz)	6.3	5.8	240.0	241.0
Limit (dB)	52.4	53.2	-4.6	-4.7

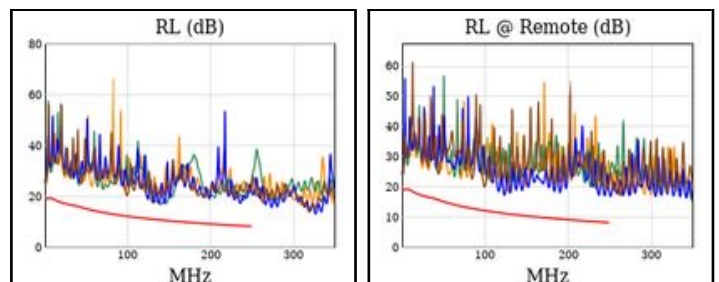
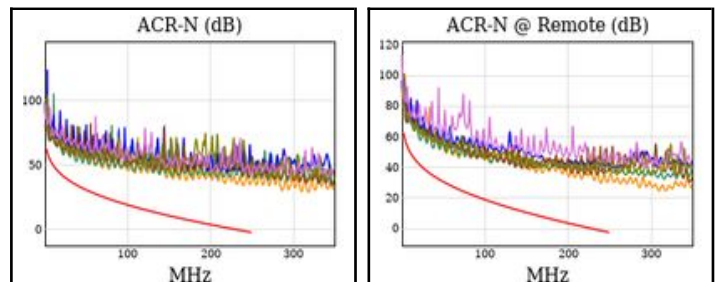
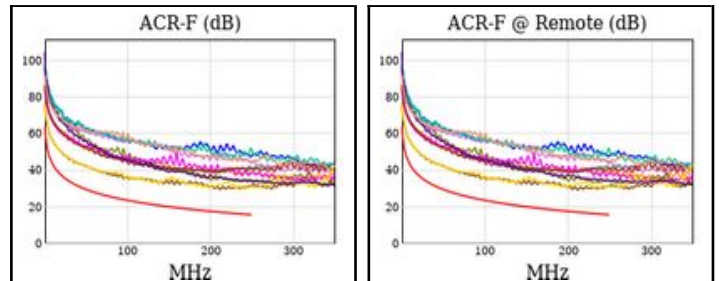
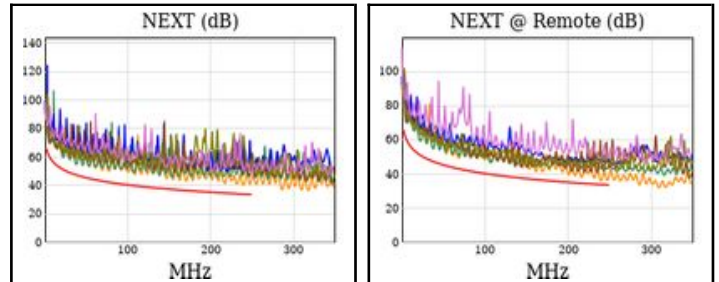
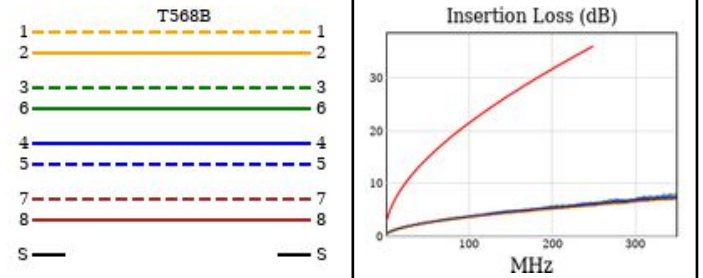
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	3,6	4,5
RL (dB)	6.2	5.9	6.2	8.8
Freq. (MHz)	141.0	124.0	141.0	244.5
Limit (dB)	10.5	11.1	10.5	8.1

Compliant Network Standards:

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



PASS





Cable ID: D34

Date / Time: 06/13/2023 05:33:38 PM Operator: MURAT
 Headroom: 5 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	60
Prop. Delay (ns), Limit 555	[Pair 3,6]	90
Delay Skew (ns), Limit 50	[Pair 3,6]	2
Resistance (ohms)	[Pair 7,8]	3.2
Insertion Loss Margin (dB)	[Pair 3,6]	29.4
Frequency (MHz)	[Pair 3,6]	247.0
Limit (dB)	[Pair 3,6]	35.7

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	7.5	5.0	9.7	6.1
Freq. (MHz)	53.8	107.5	240.5	245.5
Limit (dB)	44.5	39.4	33.4	33.3
Worst Pair	4,5	4,5	1,2	1,2
PS NEXT (dB)	8.5	6.4	10.5	7.4
Freq. (MHz)	30.6	69.0	238.5	246.5
Limit (dB)	45.9	39.9	30.5	30.3

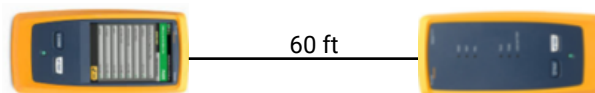
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	15.1	15.4	15.2	15.4
Freq. (MHz)	237.0	237.0	237.5	237.0
Limit (dB)	15.8	15.8	15.7	15.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	16.7	17.5	16.8	17.6
Freq. (MHz)	237.0	237.0	237.5	237.5
Limit (dB)	12.8	12.8	12.7	12.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	13.5	12.9	38.6	35.7
Freq. (MHz)	5.5	5.9	240.5	245.5
Limit (dB)	56.1	55.5	-1.7	-2.3
Worst Pair	4,5	4,5	1,2	1,2
PS ACR-N (dB)	14.0	13.1	39.8	37.3
Freq. (MHz)	6.1	6.0	238.5	246.5
Limit (dB)	52.6	52.8	-4.4	-5.4

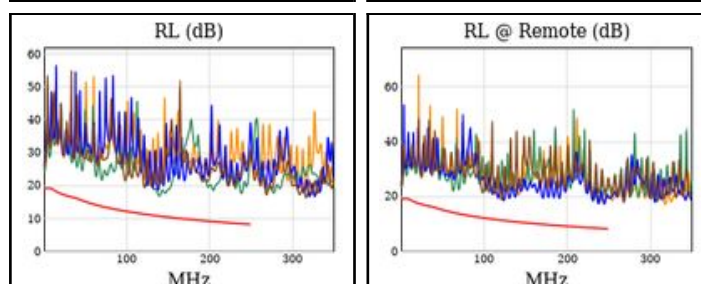
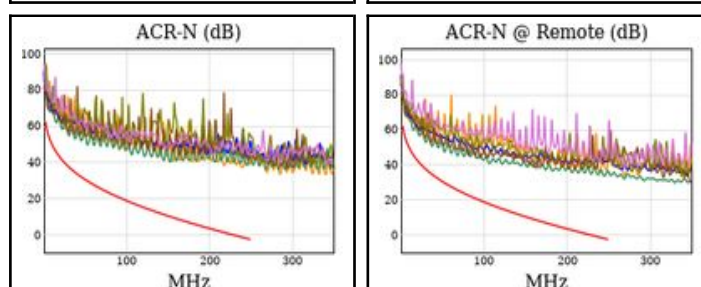
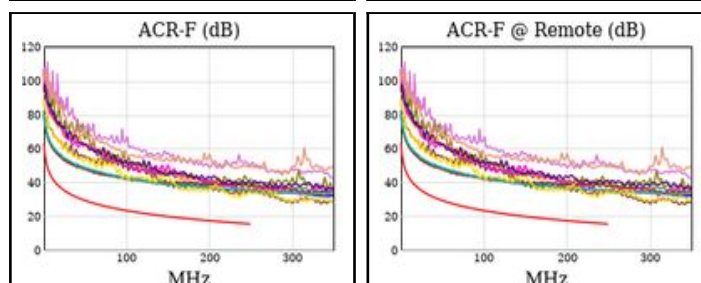
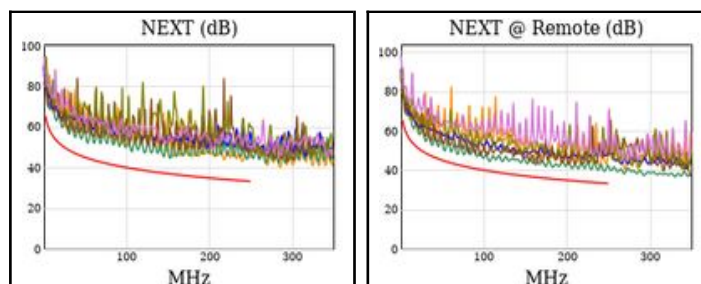
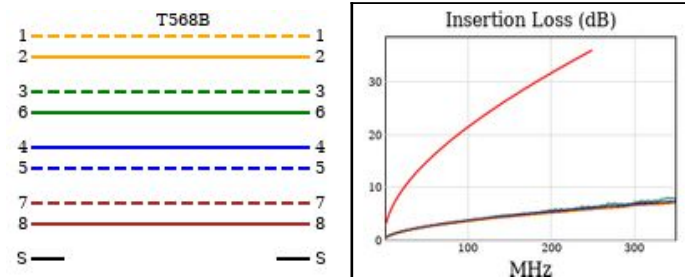
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	3,6	4,5
RL (dB)	6.1	7.3	6.1	9.0
Freq. (MHz)	140.5	124.5	140.5	245.5
Limit (dB)	10.5	11.0	10.5	8.1

Compliant Network Standards:

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



PASS





Cable ID: D35

Date / Time: 06/13/2023 05:35:07 PM Operator: MURAT
 Headroom: 5.5 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	59
Prop. Delay (ns), Limit 555	[Pair 4,5]	90
Delay Skew (ns), Limit 50	[Pair 4,5]	3
Resistance (ohms)	[Pair 7,8]	3.1
Insertion Loss Margin (dB)	[Pair 3,6]	29.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
NEXT (dB)	5.9	5.5	8.4	6.4
Freq. (MHz)	98.3	153.0	239.0	234.5
Limit (dB)	40.1	36.8	33.5	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.7	6.2	9.5	6.9
Freq. (MHz)	98.5	96.8	249.5	240.5
Limit (dB)	37.2	37.3	30.2	30.4

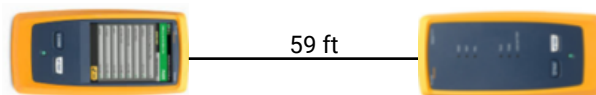
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	4,5-3,6
ACR-F (dB)	10.3	10.4	12.1	10.7
Freq. (MHz)	104.5	104.5	248.0	214.0
Limit (dB)	22.9	22.9	15.4	16.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.7	12.7	13.6	13.6
Freq. (MHz)	104.0	207.5	247.5	238.5
Limit (dB)	19.9	13.9	12.4	12.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	12.4	11.5	37.8	35.0
Freq. (MHz)	6.1	6.3	239.0	234.5
Limit (dB)	55.1	54.9	-1.5	-1.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.4	12.8	39.2	35.9
Freq. (MHz)	6.1	6.3	249.5	240.5
Limit (dB)	52.6	52.4	-5.7	-4.7

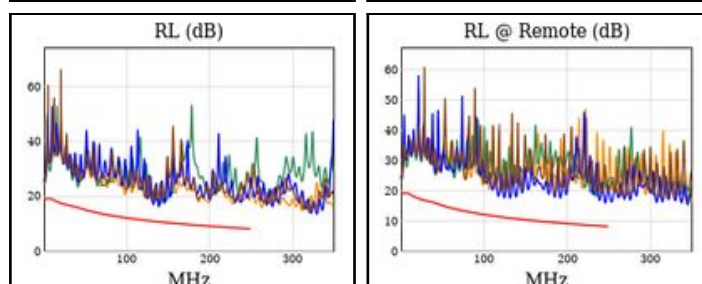
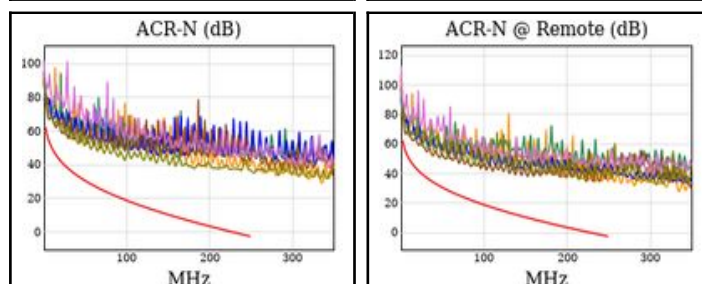
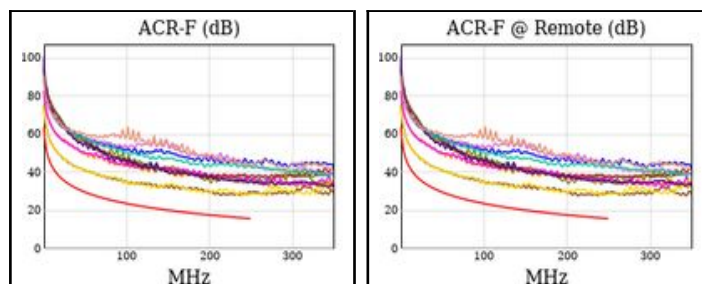
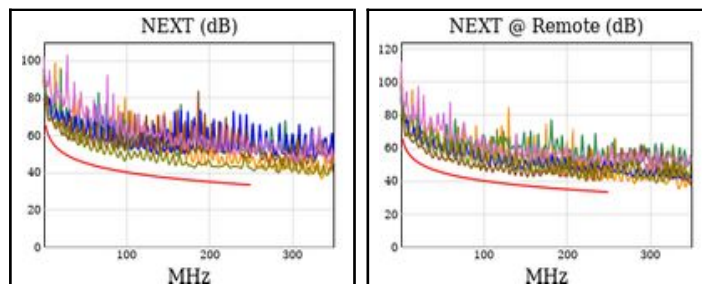
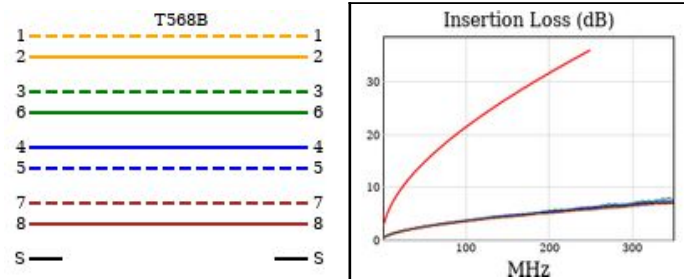
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
RL (dB)	5.5	6.5	5.5	7.7
Freq. (MHz)	139.5	125.0	139.5	246.5
Limit (dB)	10.6	11.0	10.6	8.1

Compliant Network Standards:

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



PASS





Cable ID: D36

Date / Time: 06/13/2023 05:35:25 PM Operator: MURAT
 Headroom: 4.4 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 1,2]	60
Prop. Delay (ns), Limit 555	[Pair 4,5]	90
Delay Skew (ns), Limit 50	[Pair 4,5]	2
Resistance (ohms)	[Pair 7,8]	3.2
Insertion Loss Margin (dB)	[Pair 3,6]	29.5
Frequency (MHz)	[Pair 3,6]	248.0
Limit (dB)	[Pair 3,6]	35.8

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-4,5	1,2-4,5
NEXT (dB)	6.8	4.4	9.2	5.3
Freq. (MHz)	40.8	158.5	241.0	241.0
Limit (dB)	46.5	36.5	33.4	33.4
Worst Pair	1,2	3,6	3,6	3,6
PS NEXT (dB)	6.8	4.1	7.3	5.8
Freq. (MHz)	54.8	157.5	158.5	245.5
Limit (dB)	41.6	33.7	33.6	30.3

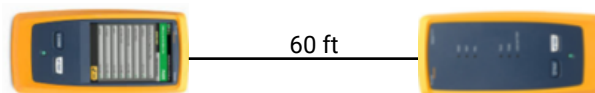
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	14.4	14.7	14.4	14.7
Freq. (MHz)	233.5	233.5	233.5	233.5
Limit (dB)	15.9	15.9	15.9	15.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.4	15.1	14.6	15.3
Freq. (MHz)	240.0	240.0	248.0	247.5
Limit (dB)	12.7	12.7	12.4	12.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-4,5	1,2-4,5
ACR-N (dB)	12.9	12.2	38.6	34.7
Freq. (MHz)	5.8	8.9	241.0	241.0
Limit (dB)	55.7	51.5	-1.8	-1.8
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	12.8	12.8	35.0	35.3
Freq. (MHz)	5.8	7.9	197.5	245.5
Limit (dB)	53.2	50.1	0.6	-5.3

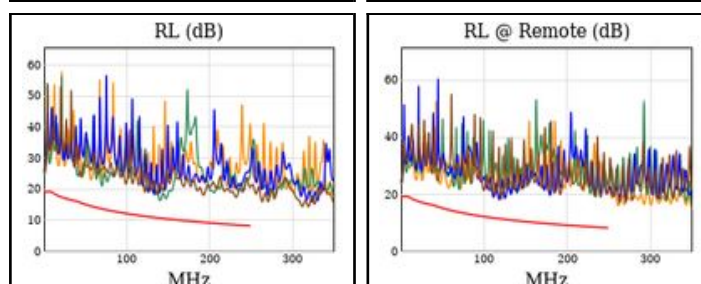
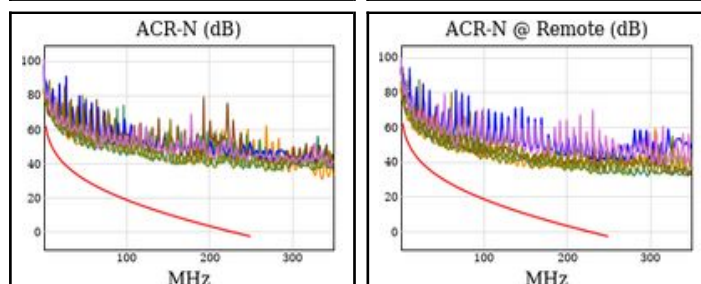
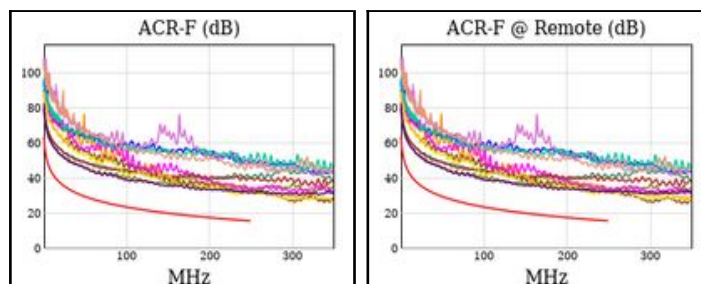
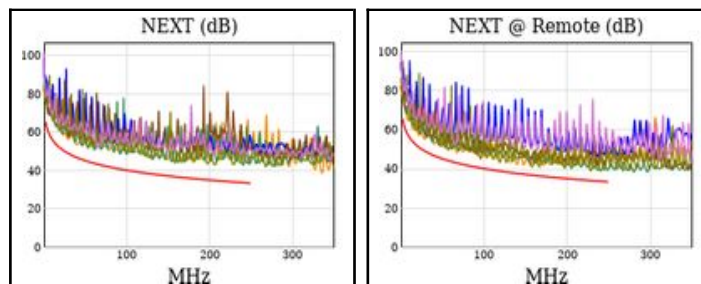
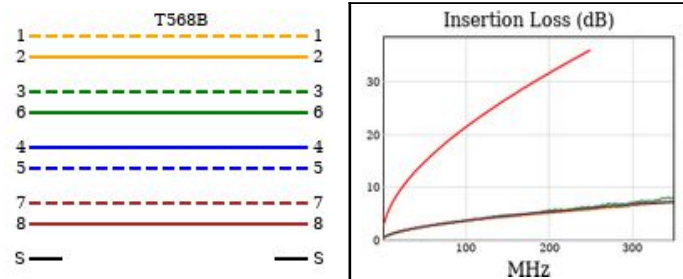
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	3,6	4,5
RL (dB)	5.7	6.7	5.7	6.7
Freq. (MHz)	141.0	119.0	141.0	119.0
Limit (dB)	10.5	11.2	10.5	11.2

Compliant Network Standards:

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



PASS





Cable ID: D4

Date / Time: 06/13/2023 05:37:51 PM Operator: MURAT
 Headroom: 5.5 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	312
Prop. Delay (ns), Limit 555	[Pair 4,5]	479
Delay Skew (ns), Limit 50	[Pair 4,5]	19
Resistance (ohms)	[Pair 7,8]	14.2
Insertion Loss Margin (dB)	[Pair 3,6]	7.8
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
NEXT (dB)	5.5	6.0	10.9	8.7
Freq. (MHz)	3.1	3.1	223.0	246.0
Limit (dB)	64.8	64.8	34.0	33.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.9	7.3	13.4	9.3
Freq. (MHz)	3.1	3.1	239.0	245.5
Limit (dB)	62.0	62.0	30.5	30.3

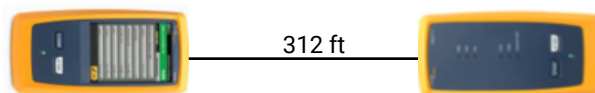
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	1,2-3,6	3,6-1,2	1,2-3,6
ACR-F (dB)	13.9	13.5	14.5	13.5
Freq. (MHz)	52.5	237.0	237.0	237.0
Limit (dB)	28.9	15.8	15.8	15.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.7	14.3	16.3	15.0
Freq. (MHz)	56.3	60.3	249.5	239.5
Limit (dB)	25.3	24.7	12.3	12.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	6.2	6.7	19.6	17.2
Freq. (MHz)	3.1	3.1	242.0	246.0
Limit (dB)	61.2	61.2	-1.9	-2.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.6	8.1	21.2	17.0
Freq. (MHz)	3.0	3.1	242.0	245.5
Limit (dB)	58.5	58.4	-4.9	-5.3

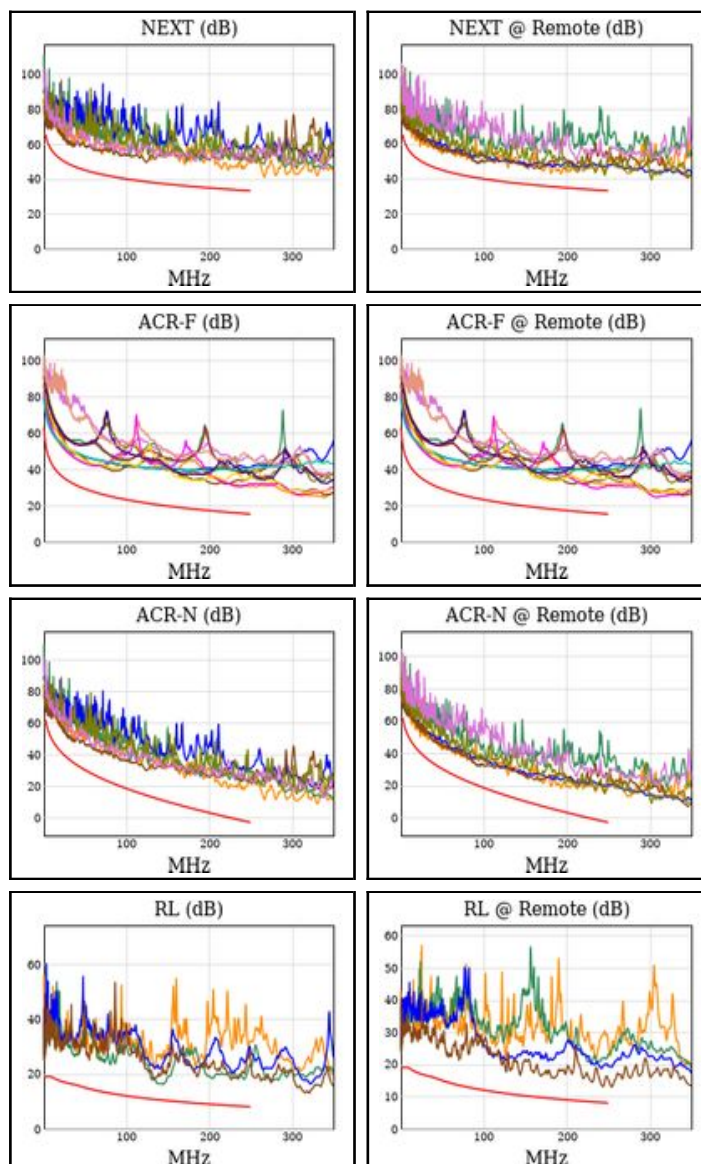
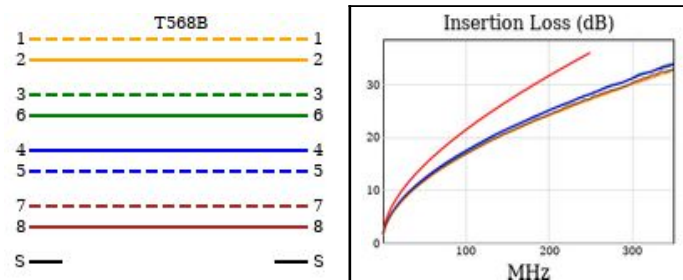
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	7,8
RL (dB)	5.8	5.0	5.8	5.0
Freq. (MHz)	145.0	244.0	145.0	244.0
Limit (dB)	10.4	8.1	10.4	8.1

Compliant Network Standards:

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



PASS





Cable ID: D5

Date / Time: 06/13/2023 05:39:31 PM Operator: MURAT
 Headroom: 5.5 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	465
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	23.7
Insertion Loss Margin (dB)	[Pair 3,6]	8.1
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	5.5	7.0	8.6	7.8
Freq. (MHz)	66.5	3.3	219.0	201.5
Limit (dB)	42.9	64.5	34.1	34.7
Worst Pair	4,5	3,6	1,2	3,6
PS NEXT (dB)	7.7	6.9	10.5	10.0
Freq. (MHz)	66.5	4.3	219.0	220.0
Limit (dB)	40.1	60.1	31.2	31.1

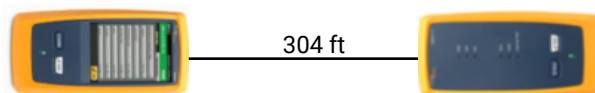
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.2	10.2	10.4	10.2
Freq. (MHz)	181.5	203.0	203.0	203.0
Limit (dB)	18.1	17.1	17.1	17.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.3	12.2	12.3	13.2
Freq. (MHz)	181.5	203.0	181.5	228.5
Limit (dB)	15.1	14.1	15.1	13.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	8.5	7.7	19.5	17.7
Freq. (MHz)	3.3	3.3	250.0	240.5
Limit (dB)	60.9	60.9	-2.8	-1.7
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-N (dB)	9.3	7.3	21.3	19.3
Freq. (MHz)	3.3	4.3	248.0	240.5
Limit (dB)	58.4	56.0	-5.6	-4.7

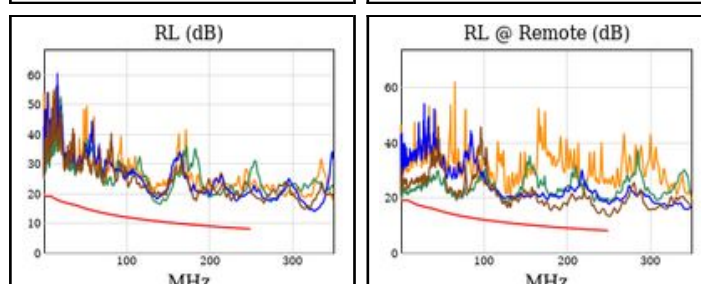
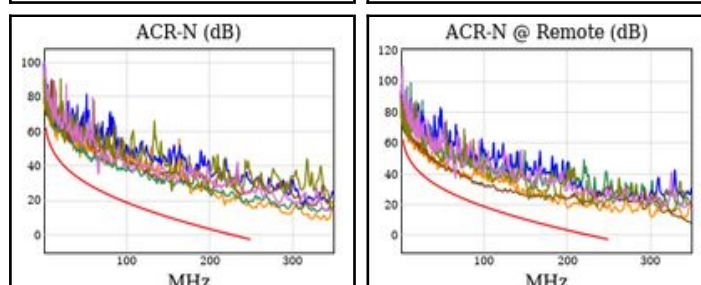
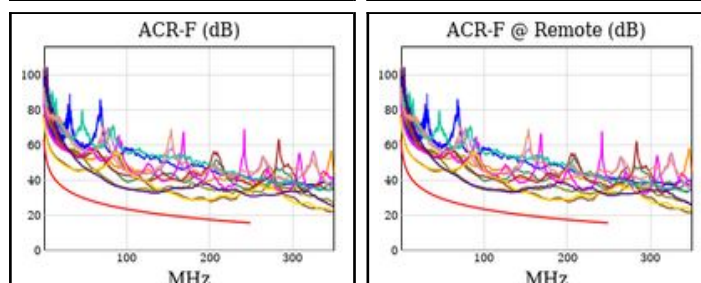
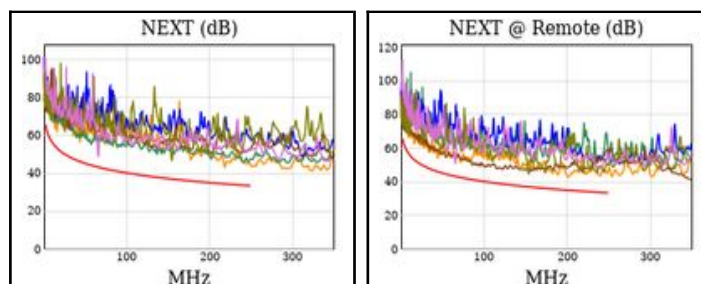
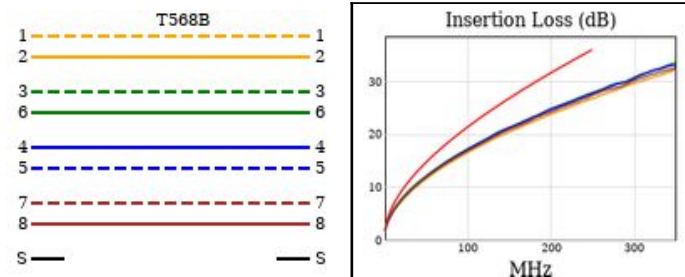
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	5.8	2.1	5.8	5.5
Freq. (MHz)	141.0	9.1	141.0	249.5
Limit (dB)	10.5	19.0	10.5	8.0

Compliant Network Standards:

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



PASS





Cable ID: D6

Date / Time: 06/13/2023 05:39:47 PM Operator: MURAT
 Headroom: 6.1 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	465
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 3,6]	23.6
Insertion Loss Margin (dB)	[Pair 3,6]	8.1
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	7.1	6.1	12.4	6.2
Freq. (MHz)	3.1	153.5	213.0	154.5
Limit (dB)	64.8	36.8	34.3	36.7
Worst Pair	3,6	4,5	3,6	3,6
PS NEXT (dB)	8.9	7.5	14.6	9.6
Freq. (MHz)	6.5	66.3	248.0	219.0
Limit (dB)	57.1	40.2	30.2	31.2

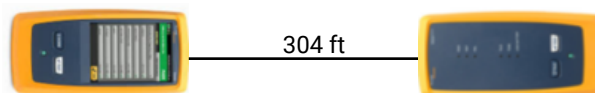
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	4,5-3,6	4,5-3,6
ACR-F (dB)	11.1	11.4	13.4	13.4
Freq. (MHz)	49.5	49.5	237.5	243.0
Limit (dB)	29.4	29.4	15.7	15.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.5	12.6	15.4	14.9
Freq. (MHz)	58.8	49.0	237.5	241.0
Limit (dB)	24.9	26.5	12.7	12.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	7.9	7.0	22.9	19.0
Freq. (MHz)	3.1	3.1	248.5	249.5
Limit (dB)	61.2	61.2	-2.7	-2.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.5	8.7	22.7	19.5
Freq. (MHz)	4.3	6.4	248.0	249.0
Limit (dB)	56.0	52.2	-5.6	-5.7

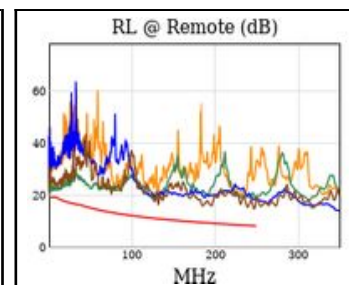
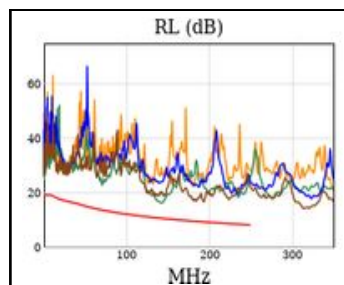
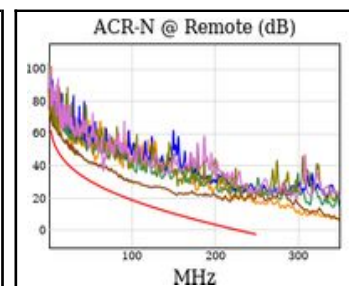
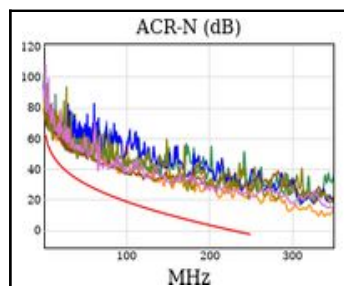
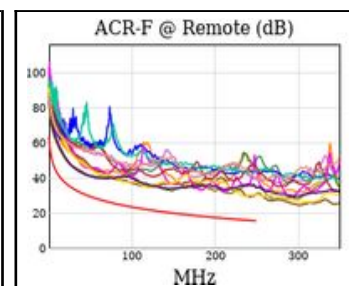
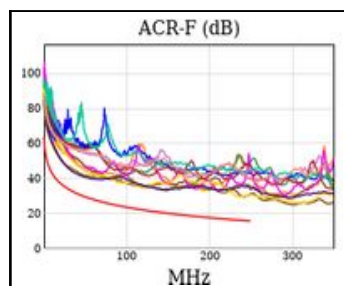
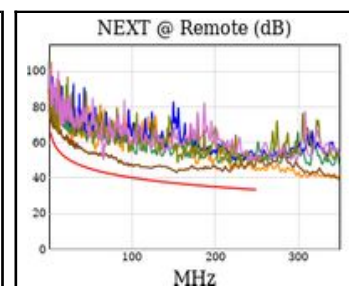
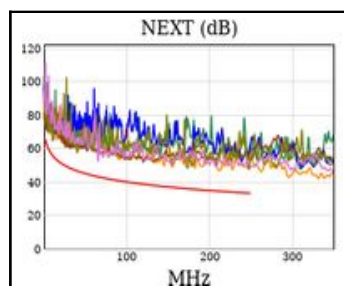
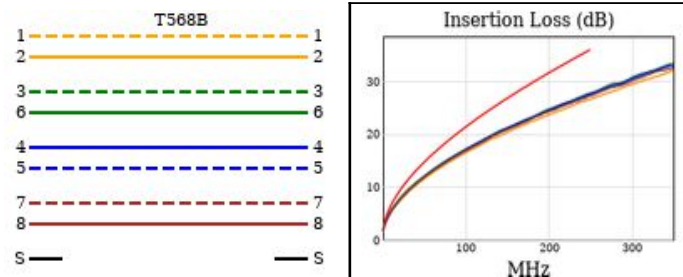
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	7,8
RL (dB)	5.6	2.5	5.7	6.4
Freq. (MHz)	142.5	5.8	143.5	247.5
Limit (dB)	10.5	19.0	10.4	8.1

Compliant Network Standards:

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



PASS





Cable ID: D7

Date / Time: 06/13/2023 05:41:00 PM Operator: MURAT
 Headroom: 6.3 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	305
Prop. Delay (ns), Limit 555	[Pair 4,5]	466
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	16.5
Insertion Loss Margin (dB)	[Pair 4,5]	8.4
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-3,6	1,2-4,5
NEXT (dB)	8.4	6.3	9.7	6.3
Freq. (MHz)	3.0	231.5	216.0	231.5
Limit (dB)	65.0	33.7	34.2	33.7
Worst Pair	3,6	1,2	1,2	1,2
PS NEXT (dB)	8.7	6.9	11.9	7.3
Freq. (MHz)	3.1	198.5	216.0	249.5
Limit (dB)	62.0	31.9	31.3	30.2

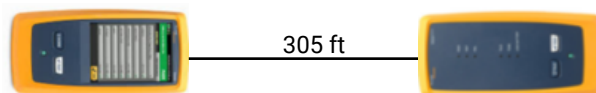
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.1	9.7	10.2	10.5
Freq. (MHz)	199.5	183.5	202.5	203.0
Limit (dB)	17.3	18.0	17.1	17.1
Worst Pair	3,6	4,5	4,5	3,6
PS ACR-F (dB)	12.7	12.5	13.9	13.9
Freq. (MHz)	194.5	183.5	225.5	229.0
Limit (dB)	14.5	15.0	13.2	13.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	9.1	7.7	20.4	15.7
Freq. (MHz)	3.0	3.1	246.0	249.5
Limit (dB)	61.5	61.2	-2.4	-2.8
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-N (dB)	9.5	7.7	22.2	16.5
Freq. (MHz)	3.1	3.1	250.0	249.5
Limit (dB)	58.4	58.4	-5.8	-5.7

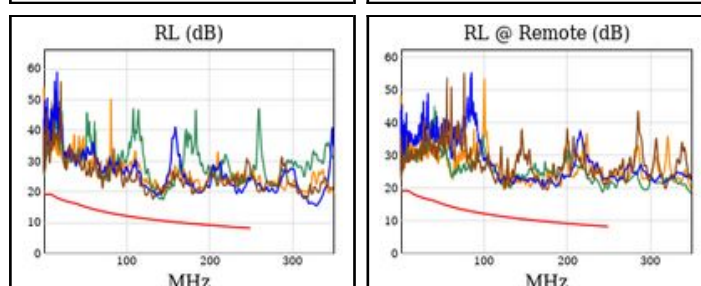
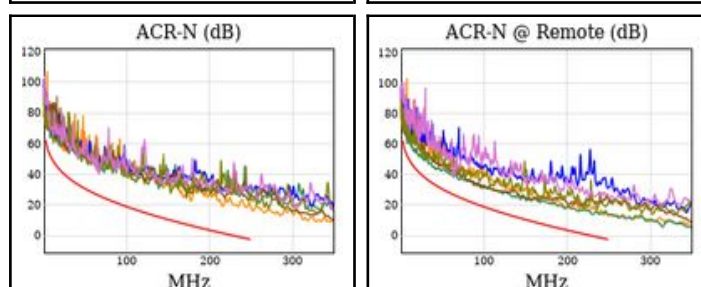
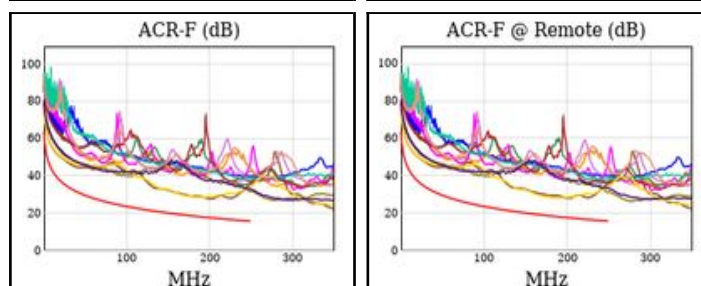
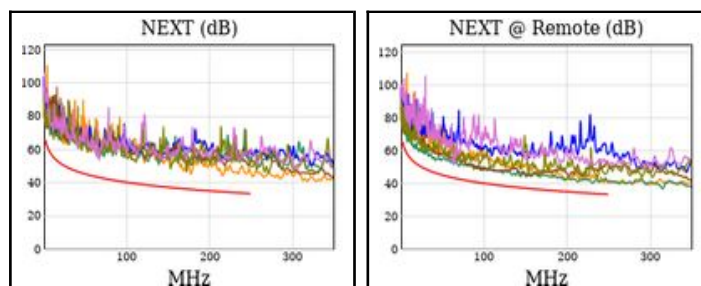
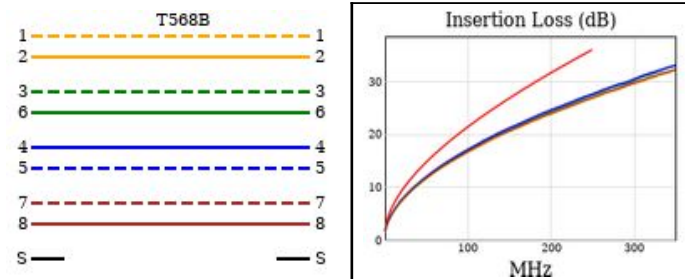
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	3,6
RL (dB)	6.6	6.7	6.8	10.5
Freq. (MHz)	132.5	4.8	144.5	243.5
Limit (dB)	10.8	19.0	10.4	8.1

Compliant Network Standards:

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



PASS





Cable ID: D8

Date / Time: 06/13/2023 05:41:17 PM Operator: MURAT
 Headroom: 3.8 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	304
Prop. Delay (ns), Limit 555	[Pair 4,5]	465
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 7,8]	14.2
Insertion Loss Margin (dB)	[Pair 4,5]	8.4
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-7,8	1,2-3,6	3,6-7,8
NEXT (dB)	5.6	3.8	10.9	3.8
Freq. (MHz)	64.5	175.5	220.5	175.5
Limit (dB)	43.1	35.8	34.1	35.8
Worst Pair	4,5	3,6	3,6	1,2
PS NEXT (dB)	7.6	5.6	10.0	6.7
Freq. (MHz)	64.5	175.5	155.5	224.5
Limit (dB)	40.4	32.8	33.8	31.0

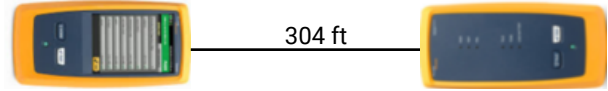
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	3,6-7,8	7,8-3,6
ACR-F (dB)	8.1	8.2	9.4	9.0
Freq. (MHz)	46.8	52.5	164.0	163.5
Limit (dB)	29.9	28.9	19.0	19.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.1	10.3	12.4	11.3
Freq. (MHz)	56.8	52.5	183.0	162.5
Limit (dB)	25.2	25.9	15.0	16.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	1,2-4,5
ACR-N (dB)	8.6	8.3	20.2	15.2
Freq. (MHz)	3.1	3.3	238.0	250.0
Limit (dB)	61.2	60.9	-1.4	-2.8
Worst Pair	3,6	4,5	3,6	1,2
PS ACR-N (dB)	9.6	8.9	22.0	17.2
Freq. (MHz)	8.4	65.0	238.0	249.5
Limit (dB)	49.5	23.5	-4.4	-5.7

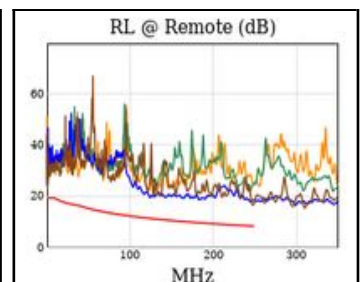
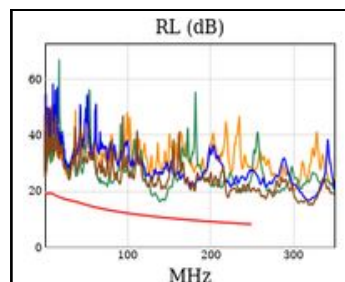
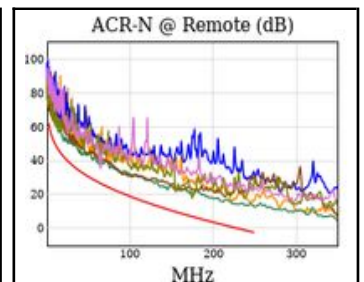
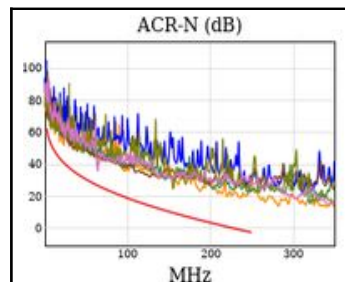
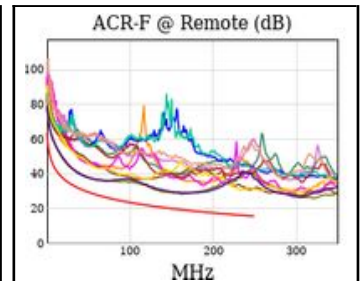
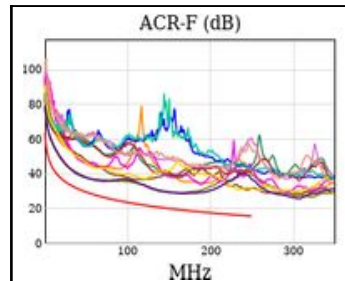
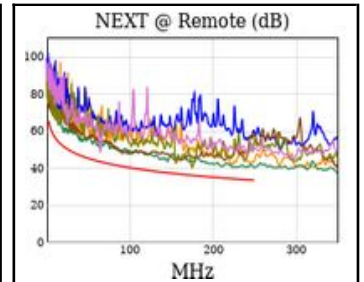
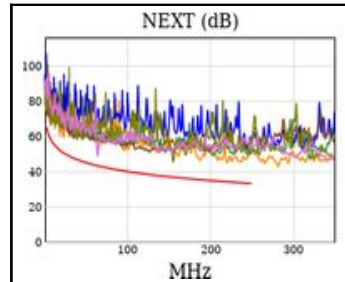
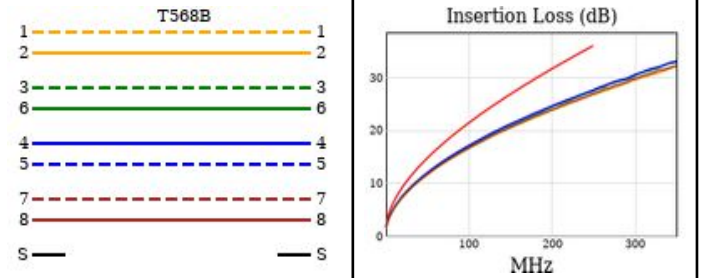
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	3,6	7,8
RL (dB)	5.5	8.1	5.6	8.2
Freq. (MHz)	139.5	125.0	140.0	248.5
Limit (dB)	10.6	11.0	10.5	8.0

Compliant Network Standards:

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



PASS





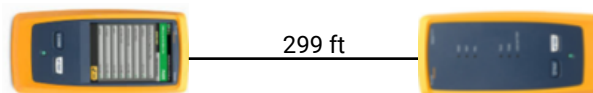
Cable ID: D9

Test Summary: PASS

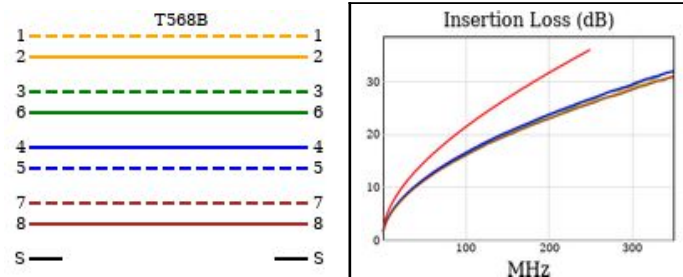
Date / Time: 06/13/2023 05:41:39 PM Operator: MURAT
 Headroom: 7.3 dB (NEXT) Software Version: V6.7 Build 1
 Test Limit: TIA Cat 6 Channel Calibration Date:
 Cable Type: Cat 6 U/UTP Main (Module): 10/31/2022
 NVP: 69.0% Remote (Module): 10/31/2022
 Project: SRS-SPSGREE-2527 Greeley CO

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

Length (ft), Limit 328	[Pair 7,8]	299
Prop. Delay (ns), Limit 555	[Pair 4,5]	460
Delay Skew (ns), Limit 50	[Pair 4,5]	20
Resistance (ohms)	[Pair 7,8]	14.1
Insertion Loss Margin (dB)	[Pair 4,5]	9.3
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	1,2-3,6
NEXT (dB)	9.1	7.3	9.1	8.1
Freq. (MHz)	243.0	91.3	243.0	234.5
Limit (dB)	33.3	40.6	33.3	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	9.5	7.8	9.5	8.1
Freq. (MHz)	243.5	114.0	243.5	234.0
Limit (dB)	30.4	36.1	30.4	30.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	9.7	9.9	13.4	13.2
Freq. (MHz)	135.0	135.0	250.0	250.0
Limit (dB)	20.7	20.7	15.3	15.3
Worst Pair	4,5	3,6	3,6	4,5
PS ACR-F (dB)	12.5	12.7	16.1	15.7
Freq. (MHz)	135.0	135.0	250.0	250.0
Limit (dB)	17.7	17.7	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-7,8	1,2-3,6
ACR-N (dB)	10.6	9.2	19.0	17.2
Freq. (MHz)	3.4	3.3	243.0	234.5
Limit (dB)	60.5	60.9	-2.0	-1.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	11.5	10.2	18.8	17.2
Freq. (MHz)	3.3	4.3	243.5	234.0
Limit (dB)	58.4	56.0	-5.0	-3.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	7,8	3,6	7,8
RL (dB)	6.0	7.0	6.0	7.0
Freq. (MHz)	138.0	126.0	138.0	126.0
Limit (dB)	10.6	11.0	10.6	11.0

Compliant Network Standards:

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

