

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
3M3- 004	PASS	TIA Cat 5e Channel	156 ft	6.3 dB (NEXT)	12/07/2022 02:18 PM
3M3- 061	PASS	TIA Cat 5e Channel	159 ft	4.8 dB (NEXT)	12/07/2022 02:42 PM
3M3- 149	PASS	TIA Cat 5e Channel	149 ft	11.5 dB (NEXT)	12/07/2022 02:20 PM
3M3- 150	PASS	TIA Cat 5e Channel	145 ft	10.6 dB (NEXT)	12/07/2022 02:21 PM
3M3- 151	PASS	TIA Cat 5e Channel	149 ft	9.6 dB (NEXT)	12/07/2022 02:21 PM
3M3- 152	PASS	TIA Cat 5e Channel	149 ft	8.0 dB (NEXT)	12/07/2022 02:22 PM

Total Length:	907 ft
Number of Reports:	6
Number of Passing Reports:	6
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: 3M3- 004

Test Limit: TIA Cat 5e Channel

Limits Version: V7.6

Date / Time: 12/07/2022 02:18:26 PM

Operator: ZEKE GOMEZ

Headroom 6.3 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19140167

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 4592537

Test Summary: PASS

Remote: Versiv

S/N: 19140163

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000R (DSX-PLA004)

S/N: 4537098

Length (ft), Limit 328	[Pair 1,2]	156
Prop. Delay (ns), Limit 555	[Pair 3,6]	244
Delay Skew (ns), Limit 50	[Pair 3,6]	14
Resistance (ohms)	[Pair 3,6]	9.24
Insertion Loss Margin (dB)	[Pair 3,6]	13.2
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	24.0



156 ft

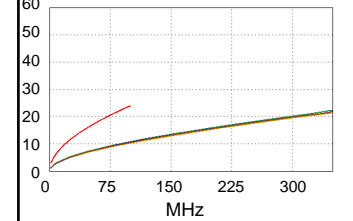


Wire Map (T568A)

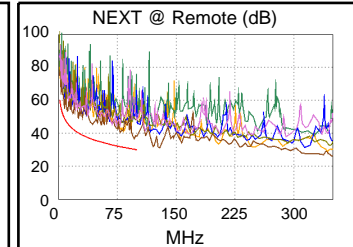
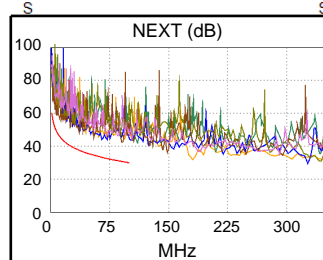
PASS



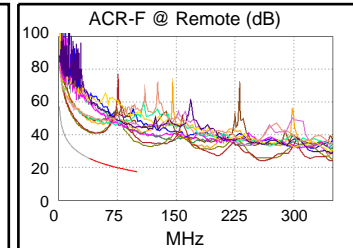
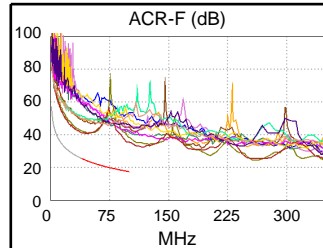
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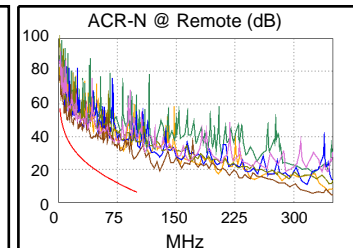
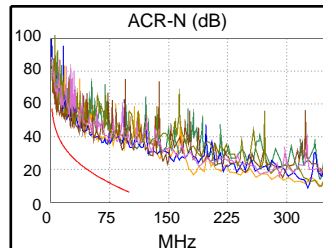
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	8.7	6.3	11.1	6.4
Freq. (MHz)	7.6	96.3	91.3	96.5
Limit (dB)	48.9	30.4	30.8	30.3
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	10.5	8.7	12.9	9.1
Freq. (MHz)	7.5	79.5	93.0	96.0
Limit (dB)	46.1	28.8	27.6	27.4



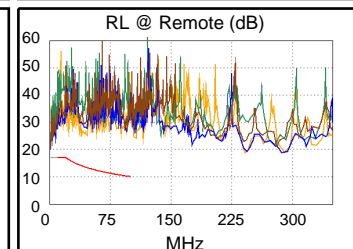
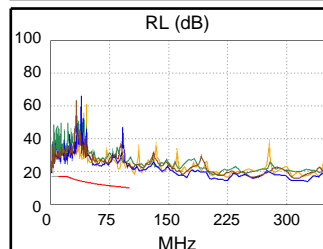
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PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	15.5	15.7	17.9	18.1
Freq. (MHz)	37.3	37.3	100.0	100.0
Limit (dB)	26.0	26.0	17.4	17.4
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	17.8	18.2	20.2	20.3
Freq. (MHz)	37.3	35.0	100.0	100.0
Limit (dB)	23.0	23.5	14.4	14.4



	Worst Case Margin	Worst Case Value		
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	12.1	10.5	24.0	19.5
Freq. (MHz)	7.6	7.5	91.5	96.5
Limit (dB)	42.8	42.9	7.9	6.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.9	12.8	25.6	22.0
Freq. (MHz)	7.6	7.5	93.0	96.0
Limit (dB)	39.8	39.9	4.5	3.9



	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	1,2	1,2
RL (dB)	8.6	10.1	10.7	10.7
Freq. (MHz)	19.0	9.5	87.5	42.0
Limit (dB)	17.0	17.0	10.6	13.8



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive



Cable ID: 3M3- 061

Test Limit: TIA Cat 5e Channel

Limits Version: V7.6

Date / Time: 12/07/2022 02:42:20 PM

Operator: ZEKE GOMEZ

Headroom 4.8 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19140167

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 4592537

Test Summary: PASS

Remote: Versiv

S/N: 19140163

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000R (DSX-PLA004)

S/N: 4537098

Length (ft), Limit 328	[Pair 1,2]	159
Prop. Delay (ns), Limit 555	[Pair 3,6]	249
Delay Skew (ns), Limit 50	[Pair 3,6]	15
Resistance (ohms)	[Pair 3,6]	9.42
Insertion Loss Margin (dB)	[Pair 3,6]	12.8
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	24.0



159 ft

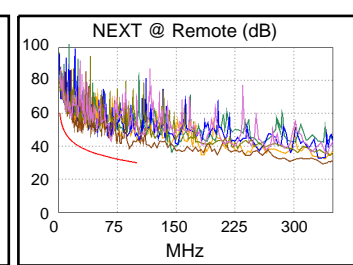
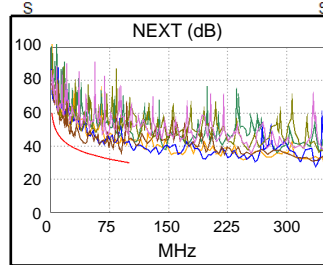


Wire Map (T568A)

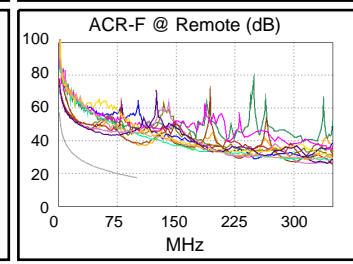
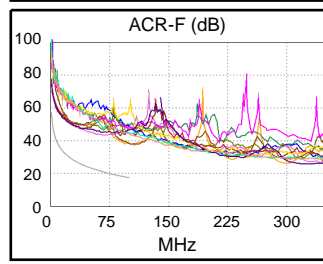
PASS



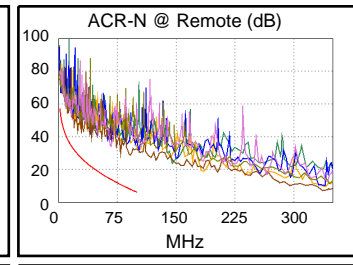
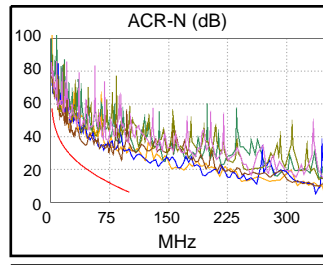
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	4.8	7.0	5.2	7.0
Freq. (MHz)	41.8	90.8	90.3	90.8
Limit (dB)	36.6	30.8	30.8	30.8
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	7.2	9.4	7.5	9.4
Freq. (MHz)	41.8	90.8	90.5	90.8
Limit (dB)	33.6	27.8	27.8	27.8



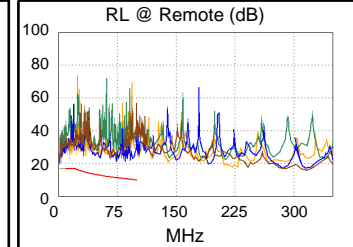
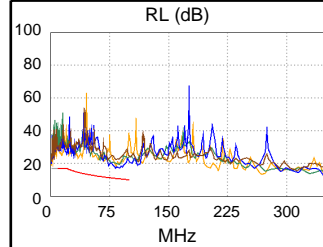
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	1,2-3,6	1,2-3,6
ACR-F (dB)	18.3	18.3	20.0	20.5
Freq. (MHz)	3.3	3.3	95.0	100.0
Limit (dB)	47.2	47.2	17.8	17.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	18.7	18.3	21.6	22.6
Freq. (MHz)	1.6	1.0	95.0	100.0
Limit (dB)	50.2	54.4	14.8	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	12.7	14.6	17.6	19.4
Freq. (MHz)	24.4	24.6	90.5	90.8
Limit (dB)	29.2	29.1	8.1	8.0
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	14.2	15.0	19.6	21.8
Freq. (MHz)	11.1	2.8	90.5	90.8
Limit (dB)	35.7	49.5	5.1	5.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	4,5
RL (dB)	6.1	8.8	6.1	10.2
Freq. (MHz)	87.3	14.3	87.3	74.0
Limit (dB)	10.6	17.0	10.6	11.3



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive



Cable ID: 3M3- 149

Test Limit: TIA Cat 5e Channel

Limits Version: V7.6

Date / Time: 12/07/2022 02:20:35 PM

Operator: ZEKE GOMEZ

Headroom 11.5 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19140167

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 4592537

Test Summary: PASS

Remote: Versiv

S/N: 19140163

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000R (DSX-PLA004)

S/N: 4537098

Length (ft), Limit 328	[Pair 1,2]	149
Prop. Delay (ns), Limit 555	[Pair 7,8]	220
Delay Skew (ns), Limit 50	[Pair 7,8]	1
Resistance (ohms)	[Pair 3,6]	8.99
Insertion Loss Margin (dB)	[Pair 3,6]	13.9
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	24.0

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-4,5	1,2-7,8	3,6-4,5
NEXT (dB)	14.1	11.5	14.1	13.3
Freq. (MHz)	95.3	25.1	95.3	100.0
Limit (dB)	30.4	40.3	30.4	30.1
Worst Pair	4,5	3,6	7,8	4,5
PS NEXT (dB)	15.6	12.7	16.2	15.1
Freq. (MHz)	3.3	25.1	95.3	100.0
Limit (dB)	52.0	37.3	27.4	27.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	4,5-1,2	1,2-4,5	4,5-1,2
ACR-F (dB)	20.3	20.5	20.3	20.5
Freq. (MHz)	92.3	92.3	92.3	92.3
Limit (dB)	18.1	18.1	18.1	18.1
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	21.3	22.2	21.5	22.2
Freq. (MHz)	92.3	97.8	94.5	97.8
Limit (dB)	15.1	14.6	14.9	14.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	3,6-4,5
ACR-N (dB)	16.4	14.8	27.5	27.2
Freq. (MHz)	3.3	3.3	95.3	100.0
Limit (dB)	51.0	51.0	7.1	6.1
Worst Pair	4,5	4,5	7,8	4,5
PS ACR-N (dB)	17.9	16.4	30.4	29.0
Freq. (MHz)	3.3	3.3	99.5	100.0
Limit (dB)	48.0	48.0	3.2	3.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	7,8
RL (dB)	10.0	12.1	10.0	13.8
Freq. (MHz)	88.5	11.4	88.5	66.8
Limit (dB)	10.5	17.0	10.5	11.8

Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

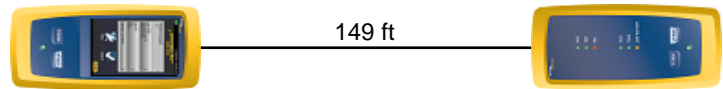
TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive

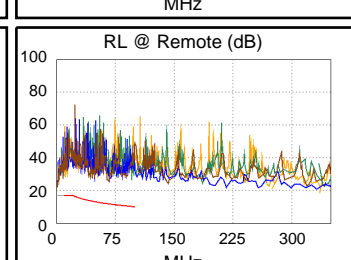
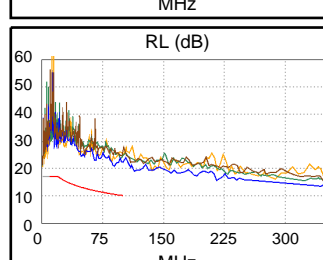
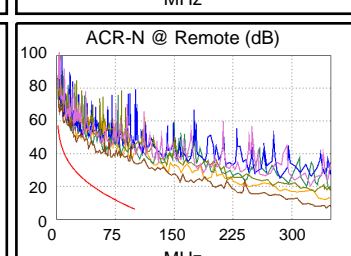
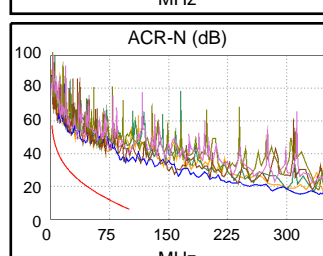
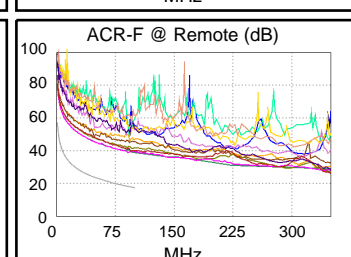
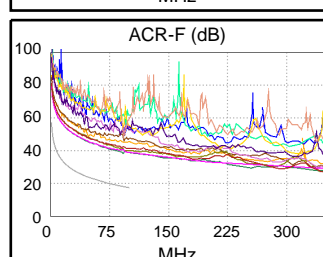
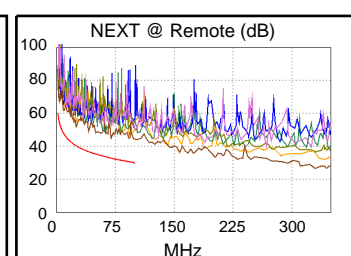
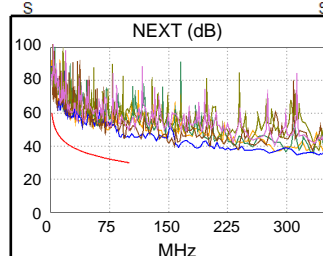
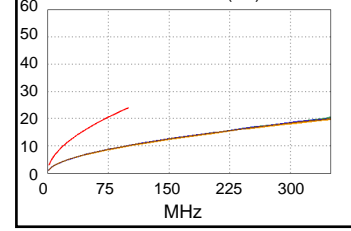


Wire Map (T568A)

PASS



Insertion Loss (dB)





Cable ID: 3M3- 150

Test Limit: TIA Cat 5e Channel

Limits Version: V7.6

Date / Time: 12/07/2022 02:21:11 PM

Operator: ZEKE GOMEZ

Headroom 10.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19140167

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 4592537

Test Summary: PASS

Remote: Versiv

S/N: 19140163

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000R (DSX-PLA004)

S/N: 4537098

Length (ft), Limit 328	[Pair 3,6]	145
Prop. Delay (ns), Limit 555	[Pair 7,8]	221
Delay Skew (ns), Limit 50	[Pair 7,8]	7
Resistance (ohms)	[Pair 1,2]	13.32
Insertion Loss Margin (dB)	[Pair 4,5]	14.0
Frequency (MHz)	[Pair 4,5]	100.0
Limit (dB)	[Pair 4,5]	24.0



145 ft

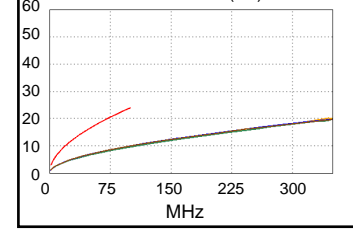


Wire Map (T568A)

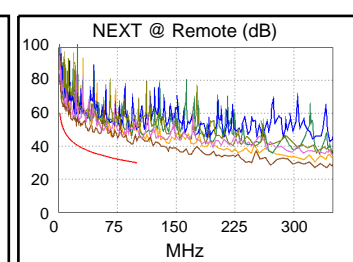
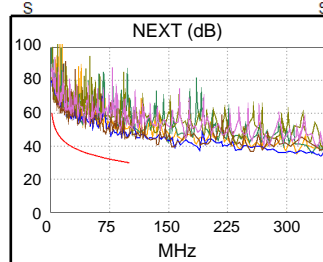
PASS



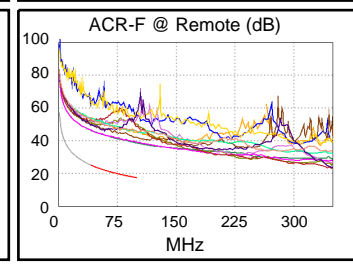
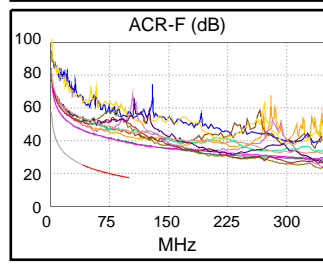
Insertion Loss (dB)



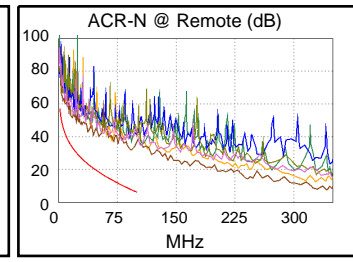
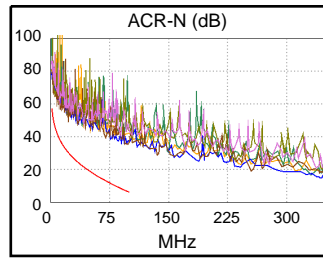
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	13.9	10.6	13.9	10.6
Freq. (MHz)	99.0	92.5	99.0	92.5
Limit (dB)	30.2	30.7	30.2	30.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	14.5	12.2	15.9	12.2
Freq. (MHz)	5.8	92.0	99.0	92.0
Limit (dB)	48.0	27.7	27.2	27.7



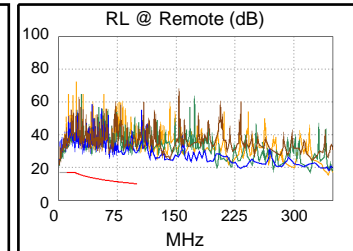
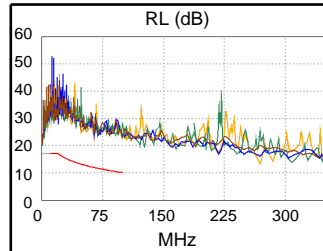
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	4,5-1,2	4,5-1,2	1,2-4,5
ACR-F (dB)	20.6	20.6	21.1	21.2
Freq. (MHz)	20.0	20.0	99.3	99.8
Limit (dB)	31.4	31.4	17.5	17.4
Worst Pair	4,5	4,5	1,2	1,2
PS ACR-F (dB)	21.3	21.4	23.2	22.8
Freq. (MHz)	1.5	2.1	100.0	100.0
Limit (dB)	50.9	47.9	14.4	14.4



	Worst Case Margin	Worst Case Value		
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	16.2	15.8	27.9	24.5
Freq. (MHz)	3.4	3.6	99.0	94.5
Limit (dB)	50.7	50.0	6.3	7.2
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	17.5	17.1	30.3	25.8
Freq. (MHz)	3.8	5.5	99.0	92.8
Limit (dB)	46.7	43.0	3.3	4.6



	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	4,5	4,5
RL (dB)	10.9	14.5	12.4	16.4
Freq. (MHz)	64.5	42.3	100.0	100.0
Limit (dB)	11.9	13.8	10.0	10.0



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive



Cable ID: 3M3- 151

Test Limit: TIA Cat 5e Channel

Limits Version: V7.6

Date / Time: 12/07/2022 02:21:56 PM

Operator: ZEKE GOMEZ

Headroom 9.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19140167

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 4592537

Test Summary: PASS

Remote: Versiv

S/N: 19140163

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000R (DSX-PLA004)

S/N: 4537098

Length (ft), Limit 328	[Pair 1,2]	149
Prop. Delay (ns), Limit 555	[Pair 7,8]	220
Delay Skew (ns), Limit 50	[Pair 7,8]	1
Resistance (ohms)	[Pair 3,6]	8.85
Insertion Loss Margin (dB)	[Pair 3,6]	13.8
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	24.0



149 ft

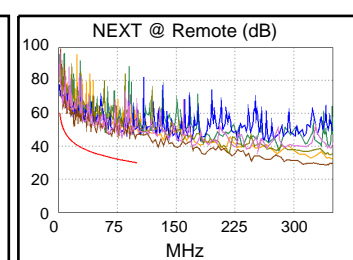
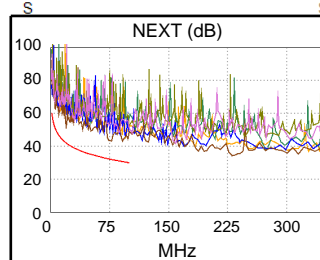


Wire Map (T568A)

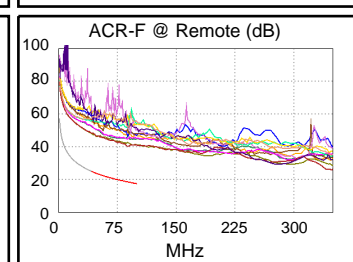
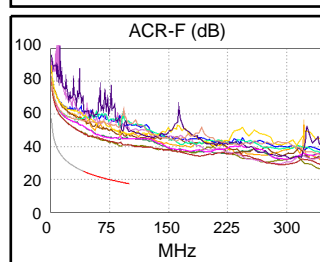
PASS



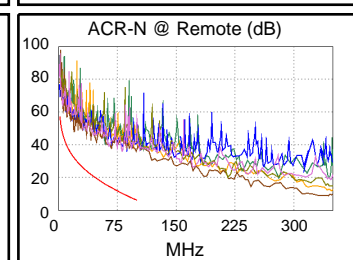
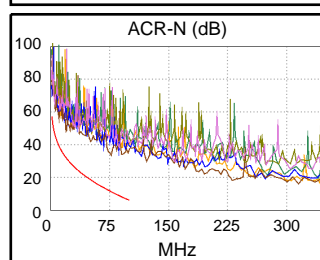
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	9.8	9.6	10.1	14.4
Freq. (MHz)	19.8	20.0	76.8	98.3
Limit (dB)	42.1	42.0	32.1	30.2
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	12.2	11.8	13.8	14.4
Freq. (MHz)	19.8	20.0	91.0	81.5
Limit (dB)	39.1	39.0	27.8	28.6



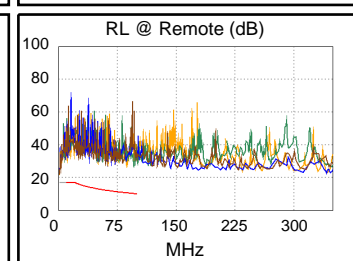
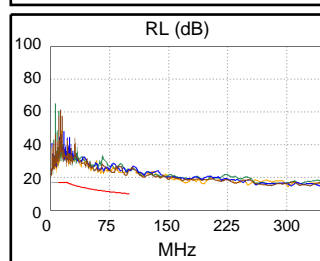
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	21.6	21.6	21.7	21.7
Freq. (MHz)	88.5	88.5	89.0	89.0
Limit (dB)	18.5	18.5	18.4	18.4
Worst Pair	4,5	4,5	4,5	3,6
PS ACR-F (dB)	22.1	22.4	23.1	23.8
Freq. (MHz)	1.0	1.0	88.5	89.3
Limit (dB)	54.4	54.4	15.5	15.4



	Worst Case Margin	Worst Case Value		
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	14.4	14.5	25.3	28.2
Freq. (MHz)	1.8	1.9	91.0	98.3
Limit (dB)	56.4	55.8	8.0	6.4
Worst Pair	1,2	4,5	3,6	3,6
PS ACR-N (dB)	16.9	16.7	27.0	30.2
Freq. (MHz)	1.8	5.6	91.0	98.3
Limit (dB)	53.4	42.8	5.0	3.4



	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	1,2
RL (dB)	10.6	13.8	11.2	16.2
Freq. (MHz)	66.8	11.1	95.8	87.0
Limit (dB)	11.8	17.0	10.2	10.6



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive



Cable ID: 3M3- 152

Test Limit: TIA Cat 5e Channel

Limits Version: V7.6

Date / Time: 12/07/2022 02:22:39 PM

Operator: ZEKE GOMEZ

Headroom 8.0 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19140167

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 4592537

Test Summary: PASS

Remote: Versiv

S/N: 19140163

Software Version: V6.7 Build 1

Calibration Date: 07/01/2022

Adapter: DSX-5000R (DSX-PLA004)

S/N: 4537098

Length (ft), Limit 328	[Pair 4,5]	149
Prop. Delay (ns), Limit 555	[Pair 7,8]	221
Delay Skew (ns), Limit 50	[Pair 7,8]	2
Resistance (ohms)	[Pair 3,6]	8.81
Insertion Loss Margin (dB)	[Pair 3,6]	13.8
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	24.0



149 ft

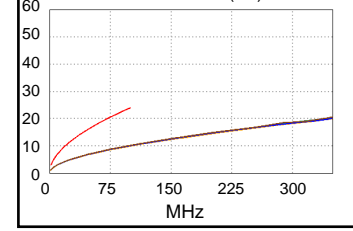


Wire Map (T568A)

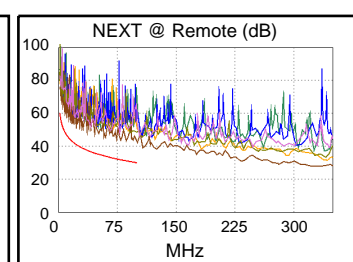
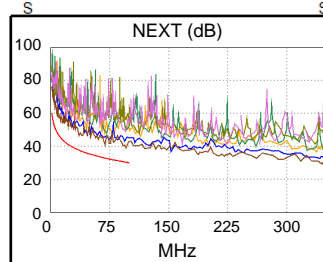
PASS



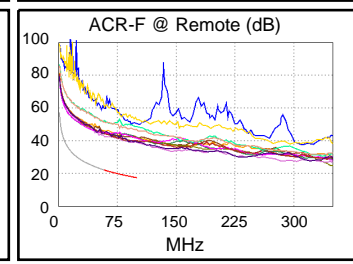
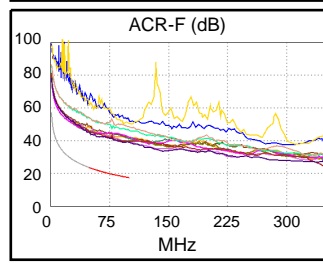
Insertion Loss (dB)



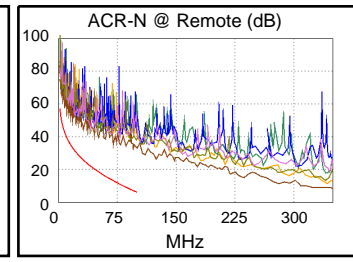
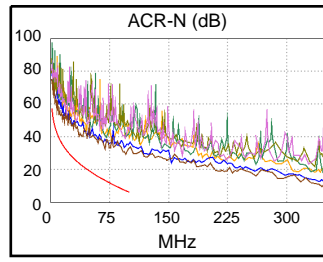
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	8.0	10.8	8.6	11.6
Freq. (MHz)	69.5	69.8	95.8	95.8
Limit (dB)	32.8	32.8	30.4	30.4
Worst Pair	3,6	3,6	4,5	3,6
PS NEXT (dB)	10.2	12.7	11.0	13.7
Freq. (MHz)	69.5	50.8	95.8	95.8
Limit (dB)	29.8	32.1	27.4	27.4



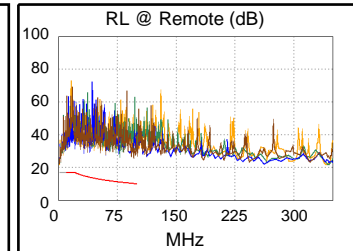
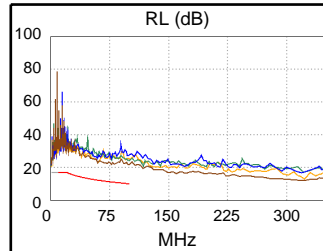
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	3,6-7,8	7,8-3,6	3,6-7,8
ACR-F (dB)	20.4	20.3	21.6	21.6
Freq. (MHz)	61.3	51.5	100.0	100.0
Limit (dB)	21.7	23.2	17.4	17.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	19.9	20.4	20.6	21.0
Freq. (MHz)	80.8	91.0	99.8	100.0
Limit (dB)	16.3	15.2	14.4	14.4



	Worst Case Margin	Worst Case Value		
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	14.2	14.9	22.2	25.2
Freq. (MHz)	10.5	3.4	95.8	95.8
Limit (dB)	39.4	50.7	7.0	7.0
Worst Pair	4,5	3,6	3,6	3,6
PS ACR-N (dB)	16.7	16.6	24.6	27.2
Freq. (MHz)	10.5	3.3	95.8	95.8
Limit (dB)	36.4	48.0	4.0	4.0



	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	7,8
RL (dB)	10.3	14.8	11.7	17.0
Freq. (MHz)	60.0	11.4	100.0	95.8
Limit (dB)	12.2	17.0	10.0	10.2



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive