Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
5A.RO2.03:13	PASS	TIA Cat 6A Perm. Link	177 ft	7.2 dB (NEXT)	07/13/2022 03:13 PM
5A.RO2.03:14	PASS	TIA Cat 6A Perm. Link	177 ft	8.2 dB (NEXT)	07/13/2022 03:10 PM
5A.RO2.03:15	PASS	TIA Cat 6A Perm. Link	177 ft	6.1 dB (NEXT)	07/13/2022 03:11 PM
5A.RO2.03:16	PASS	TIA Cat 6A Perm. Link	177 ft	5.9 dB (NEXT)	07/13/2022 03:12 PM
5A.RO2.03:17	PASS	TIA Cat 6A Perm. Link	178 ft	6.9 dB (NEXT)	07/13/2022 03:12 PM

Total Length: 886 ft
Number of Reports: 5
Number of Passing Reports: 5
Number of Failing Reports: 0
Number of Warning Reports: 0
Documentation Only: 0

Cable ID: 5A.RO2.03:13

Test Summary: PASS

Test Limit: TIA Cat 6A Perm. Link
Limits Version: V7.6
Date / Time: 07/13/2022 03:13:51 PM
Operator: BILLY MOORE
Headroom 7.2 dB (NEXT 3,6-7,8)
Cable Type: GenSpeed 10 MTP CMP
NVP: 67.0%

Main: Versiv
 S/N: 19140163
 Software Version: V6.7 Build 1
 Calibration Date: 07/01/2022
 Adapter: DSX-5000 (DSX-PLA004)
 S/N: 4537098

Remote: Versiv
 S/N: 19140167
 Software Version: V6.7 Build 1
 Calibration Date: 07/01/2022
 Adapter: DSX-5000R (DSX-PLA004)
 S/N: 4537097

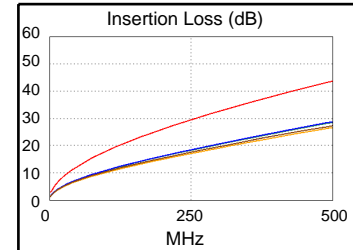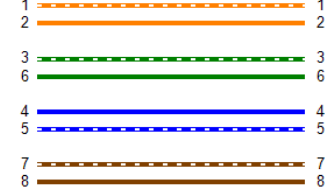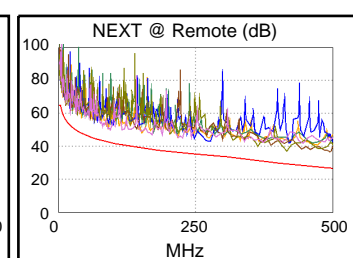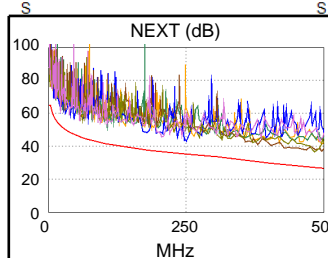|		
Length (ft), Limit 295	[Pair 1,2]	177
Prop. Delay (ns), Limit 498	[Pair 4,5]	292
Delay Skew (ns), Limit 44	[Pair 4,5]	23
Resistance (ohms)	[Pair 4,5]	8.83
Insertion Loss Margin (dB)	[Pair 4,5]	15.1
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	43.8

177 ft

Wire Map (T568B)
PASS

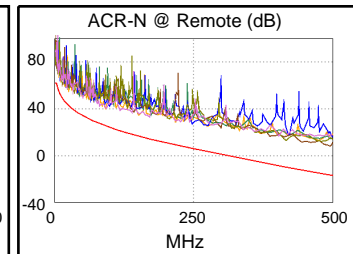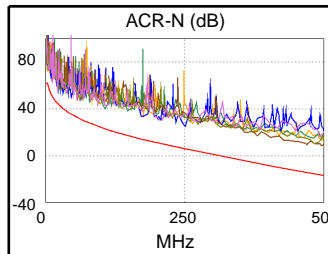|	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	7.4	7.2	8.9	7.2
Freq. (MHz)	251.0	415.0	470.0	415.0
Limit (dB)	35.3	29.3	27.5	29.3
Worst Pair	7,8	1,2	3,6	3,6
PS NEXT (dB)	7.8	7.8	9.6	9.5
Freq. (MHz)	206.0	272.0	483.0	473.0
Limit (dB)	34.1	32.1	24.3	24.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-4,5	7,8-4,5	7,8-4,5	7,8-4,5
ACR-F (dB)	11.7	12.5	12.2	13.2
Freq. (MHz)	413.0	413.0	462.0	457.0
Limit (dB)	11.9	11.9	10.9	11.0
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	13.1	13.5	13.1	13.6
Freq. (MHz)	457.0	453.0	457.0	454.0
Limit (dB)	8.0	8.1	8.0	8.0
N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	12.5	11.9	25.3	24.8
Freq. (MHz)	21.5	21.5	496.0	495.0
Limit (dB)	44.5	44.5	-16.8	-16.7
Worst Pair	7,8	3,6	3,6	3,6
PS ACR-N (dB)	12.4	12.2	24.8	25.1
Freq. (MHz)	21.5	13.1	484.0	484.0
Limit (dB)	42.1	47.3	-18.7	-18.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	1,2	4,5
RL (dB)	8.2	7.5	8.2	8.4
Freq. (MHz)	497.0	38.3	497.0	418.0
Limit (dB)	8.0	18.1	8.0	8.0
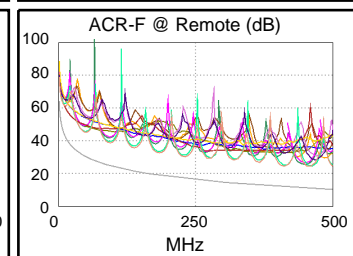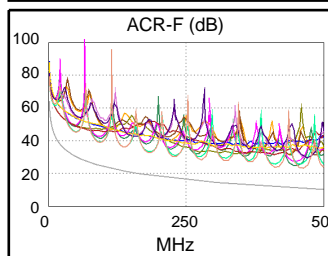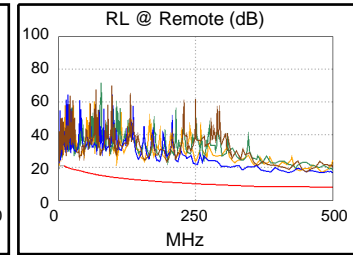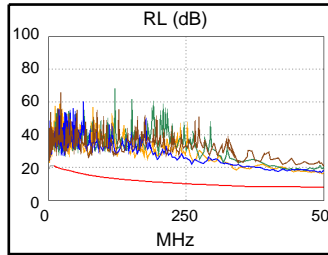
Compliant Network Standards:
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

Insertion Loss (dB)

NEXT (dB)

NEXT @ Remote (dB)

ACR-F (dB)

ACR-F @ Remote (dB)

ACR-N (dB)

ACR-N @ Remote (dB)

RL (dB)

RL @ Remote (dB)

LinkWare™ PC Version 10.8.1

FLUKE networks

Cable ID: 5A.RO2.03:14

Test Limit: TIA Cat 6A Perm. Link
Limits Version: V7.6
Date / Time: 07/13/2022 03:10:21 PM
Operator: BILLY MOORE
Headroom 8.2 dB (NEXT 3,6-4,5)
Cable Type: GenSpeed 10 MTP CMP
NVP: 67.0%

Main: Versiv
S/N: 19140163
Software Version: V6.7 Build 1
Calibration Date: 07/01/2022
Adapter: DSX-5000 (DSX-PLA004)
S/N: 4537098

Test Summary: PASS

Remote: Versiv
S/N: 19140167
Software Version: V6.7 Build 1
Calibration Date: 07/01/2022
Adapter: DSX-5000R (DSX-PLA004)
S/N: 4537097

Length (ft), Limit 295	[Pair 1,2]	177
Prop. Delay (ns), Limit 498	[Pair 4,5]	292
Delay Skew (ns), Limit 44	[Pair 4,5]	23
Resistance (ohms)	[Pair 4,5]	8.79
Insertion Loss Margin (dB)	[Pair 3,6]	15.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	43.8
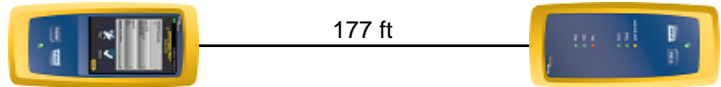
177 ft

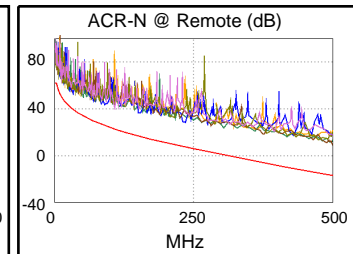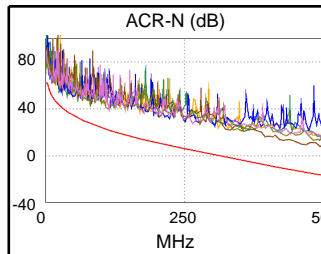**Wire Map (T568B)**
PASS
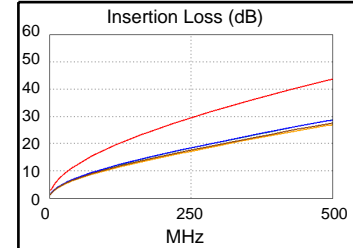
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	8.2	8.5	8.2	11.6
Freq. (MHz)	462.0	233.5	462.0	499.0
Limit (dB)	27.8	35.8	27.8	26.7
Worst Pair	7,8	7,8	3,6	4,5
PS NEXT (dB)	9.0	10.1	10.3	12.2
Freq. (MHz)	10.6	33.0	493.0	499.0
Limit (dB)	55.1	47.2	24.0	23.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-4,5	7,8-4,5	7,8-4,5	7,8-4,5
ACR-F (dB)	13.9	14.6	14.4	14.9
Freq. (MHz)	362.0	363.0	500.0	500.0
Limit (dB)	13.0	13.0	10.2	10.2
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	14.9	15.3	14.9	15.7
Freq. (MHz)	499.0	1.1	499.0	500.0
Limit (dB)	7.2	60.2	7.2	7.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	12.9	12.9	24.2	26.6
Freq. (MHz)	7.1	3.6	493.0	499.0
Limit (dB)	55.5	61.4	-16.5	-17.0
Worst Pair	7,8	3,6	3,6	4,5
PS ACR-N (dB)	11.5	13.1	25.2	27.2
Freq. (MHz)	10.8	7.3	493.0	499.0
Limit (dB)	49.3	53.0	-19.4	-19.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	1,2
RL (dB)	8.4	7.6	8.4	7.6
Freq. (MHz)	485.0	490.0	485.0	490.0
Limit (dB)	8.0	8.0	8.0	8.0
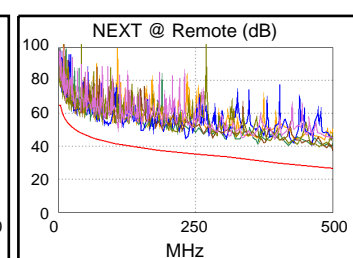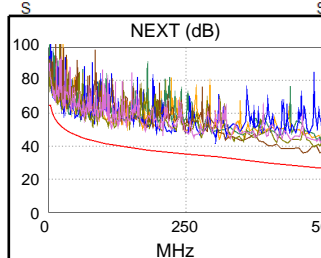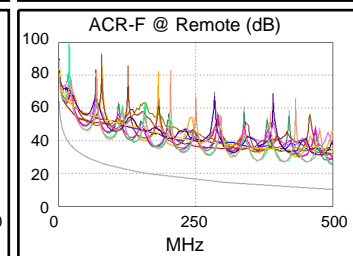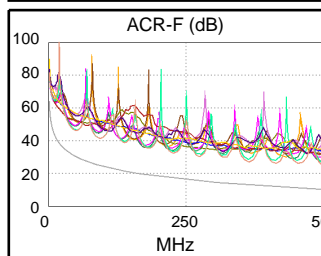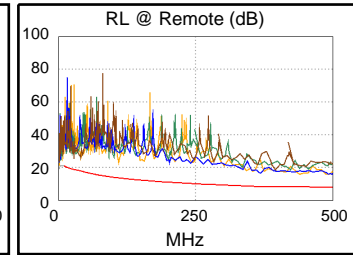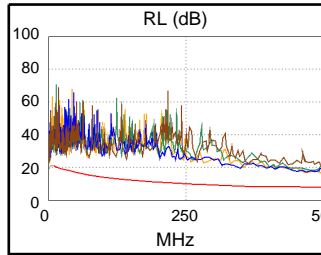
Compliant Network Standards:

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

Insertion Loss (dB)

NEXT (dB)

NEXT @ Remote (dB)

ACR-F (dB)

ACR-F @ Remote (dB)

ACR-N (dB)

ACR-N @ Remote (dB)

RL (dB)

RL @ Remote (dB)

Cable ID: 5A.RO2.03:15

Test Limit: TIA Cat 6A Perm. Link
Limits Version: V7.6
Date / Time: 07/13/2022 03:11:57 PM
Operator: BILLY MOORE
Headroom 6.1 dB (NEXT 1,2-7,8)
Cable Type: GenSpeed 10 MTP CMP
NVP: 67.0%

Main: Versiv
  S/N: 19140163
  Software Version: V6.7 Build 1
  Calibration Date: 07/01/2022
  Adapter: DSX-5000 (DSX-PLA004)
 S/N: 4537098

Test Summary: PASS

Remote: Versiv
  S/N: 19140167
  Software Version: V6.7 Build 1
  Calibration Date: 07/01/2022
  Adapter: DSX-5000R (DSX-PLA004)
  S/N: 4537097

Length (ft), Limit 295	[Pair 1,2]	177
Prop. Delay (ns), Limit 498	[Pair 4,5]	291
Delay Skew (ns), Limit 44	[Pair 4,5]	22
Resistance (ohms)	[Pair 4,5]	8.86
Insertion Loss Margin (dB)	[Pair 3,6]	15.3
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	43.8
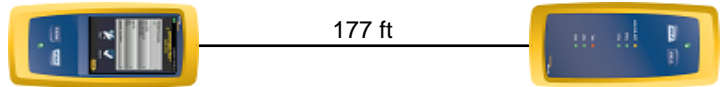
Wire Map (T568B)
PASS
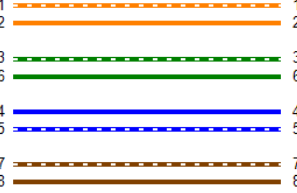
177 ft
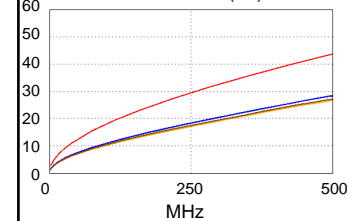
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	7.5	6.1	8.3	9.2
Freq. (MHz)	396.0	249.0	496.0	489.0
Limit (dB)	30.0	35.4	26.8	27.0
Worst Pair	7,8	1,2	3,6	3,6
PS NEXT (dB)	7.3	7.4	9.7	9.9
Freq. (MHz)	303.0	249.5	495.0	489.0
Limit (dB)	31.3	32.7	23.9	24.1
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-4,5	7,8-4,5	7,8-4,5	7,8-4,5
ACR-F (dB)	11.8	12.1	11.8	12.1
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	10.2	10.2	10.2	10.2
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	13.9	13.7	13.9	14.4
Freq. (MHz)	500.0	1.5	500.0	500.0
Limit (dB)	7.2	57.7	7.2	7.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	3,6-4,5	3,6-7,8
ACR-N (dB)	10.7	11.2	23.7	25.5
Freq. (MHz)	10.8	10.8	496.0	489.0
Limit (dB)	51.6	51.6	-16.8	-16.2
Worst Pair	7,8	1,2	3,6	3,6
PS ACR-N (dB)	12.0	12.6	25.0	25.0
Freq. (MHz)	6.9	10.8	496.0	489.0
Limit (dB)	53.5	49.3	-19.7	-19.1
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	8.5	7.4	8.5	7.4
Freq. (MHz)	455.0	445.0	455.0	445.0
Limit (dB)	8.0	8.0	8.0	8.0
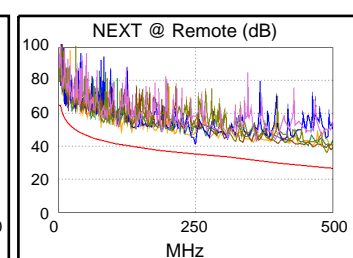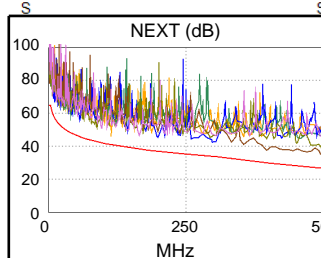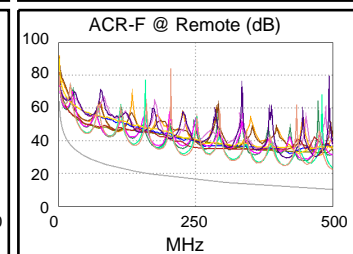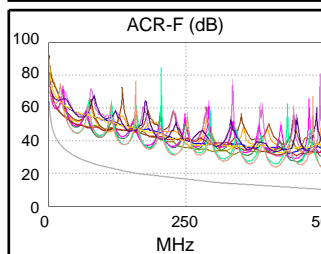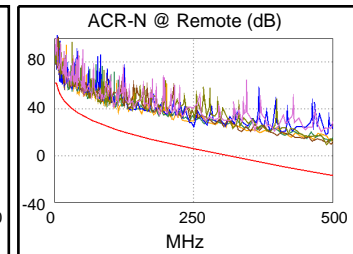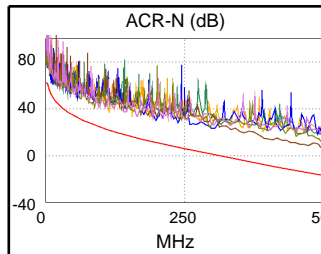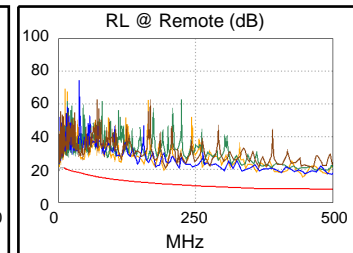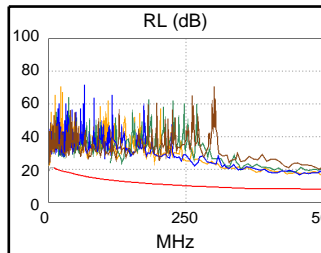
Compliant Network Standards:

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

Insertion Loss (dB)

NEXT (dB)

NEXT @ Remote (dB)

ACR-F (dB)

ACR-F @ Remote (dB)

ACR-N (dB)

ACR-N @ Remote (dB)

RL (dB)

RL @ Remote (dB)

LinkWare™ PC Version 10.8.1

Cable ID: 5A.RO2.03:16

Test Limit: TIA Cat 6A Perm. Link
Limits Version: V7.6
Date / Time: 07/13/2022 03:12:12 PM
Operator: BILLY MOORE
Headroom 5.9 dB (NEXT 1,2-7,8)
Cable Type: GenSpeed 10 MTP CMP
NVP: 67.0%

Main: Versiv
  S/N: 19140163
  Software Version: V6.7 Build 1
  Calibration Date: 07/01/2022
  Adapter: DSX-5000 (DSX-PLA004)
 S/N: 4537098

Test Summary: PASS

Remote: Versiv
  S/N: 19140167
  Software Version: V6.7 Build 1
  Calibration Date: 07/01/2022
  Adapter: DSX-5000R (DSX-PLA004)
  S/N: 4537097

Length (ft), Limit 295	[Pair 1,2]	177
Prop. Delay (ns), Limit 498	[Pair 4,5]	291
Delay Skew (ns), Limit 44	[Pair 4,5]	22
Resistance (ohms)	[Pair 4,5]	8.86
Insertion Loss Margin (dB)	[Pair 3,6]	15.4
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	43.8
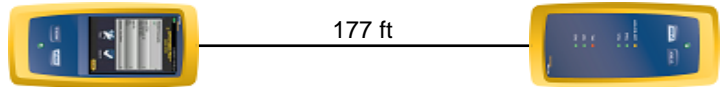
177 ft

Wire Map (T568B)
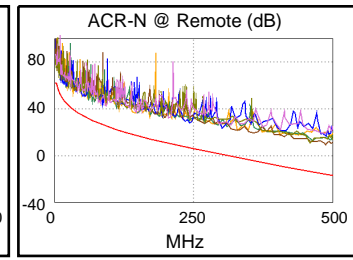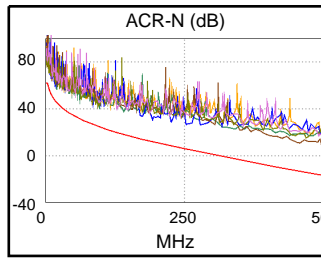**PASS**
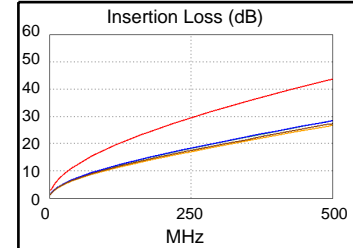
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	5.9	8.7	10.0	8.7
Freq. (MHz)	259.0	302.0	497.0	459.0
Limit (dB)	35.1	33.9	26.7	27.9
Worst Pair	7,8	1,2	4,5	3,6
PS NEXT (dB)	8.1	9.2	11.9	9.2
Freq. (MHz)	259.0	242.5	498.0	459.0
Limit (dB)	32.4	32.9	23.8	25.0
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-4,5	7,8-4,5	7,8-4,5	7,8-4,5
ACR-F (dB)	12.6	12.6	12.6	12.7
Freq. (MHz)	456.0	453.0	456.0	454.0
Limit (dB)	11.0	11.1	11.0	11.0
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	14.3	14.2	14.5	14.2
Freq. (MHz)	317.0	451.0	456.0	451.0
Limit (dB)	11.2	8.1	8.0	8.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	12.9	12.5	25.3	25.3
Freq. (MHz)	20.3	16.4	497.0	488.0
Limit (dB)	45.1	47.4	-16.9	-16.1
Worst Pair	1,2	7,8	4,5	3,6
PS ACR-N (dB)	13.9	14.0	27.1	24.0
Freq. (MHz)	20.3	16.4	498.0	459.0
Limit (dB)	42.7	45.0	-19.8	-16.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	1,2
RL (dB)	8.6	8.0	8.6	8.0
Freq. (MHz)	456.0	496.0	456.0	496.0
Limit (dB)	8.0	8.0	8.0	8.0
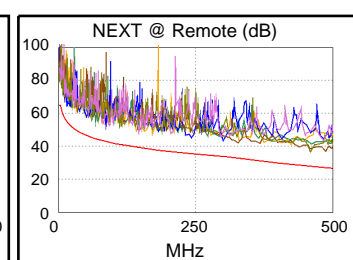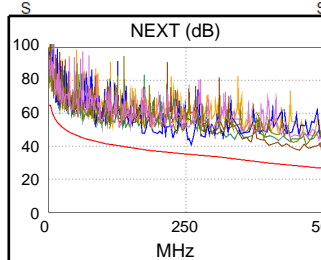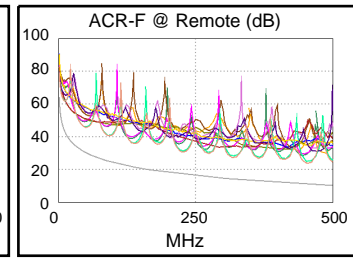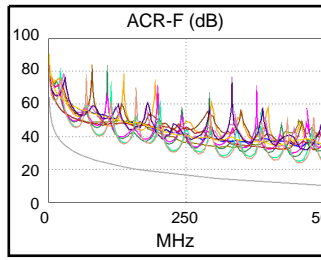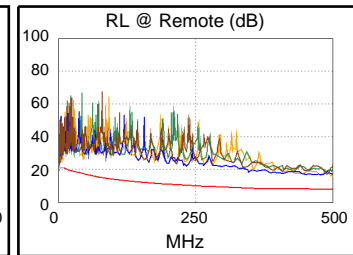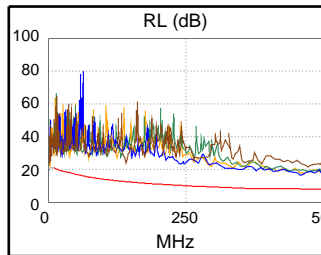
Compliant Network Standards:
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

Insertion Loss (dB)

NEXT (dB)

NEXT @ Remote (dB)

ACR-F (dB)

ACR-F @ Remote (dB)

ACR-N (dB)

ACR-N @ Remote (dB)

RL (dB)

RL @ Remote (dB)

LinkWare™ PC Version 10.8.1

FLUKE networks

Cable ID: 5A.RO2.03:17

Test Limit: TIA Cat 6A Perm. Link
Limits Version: V7.6
Date / Time: 07/13/2022 03:12:27 PM
Operator: BILLY MOORE
Headroom 6.9 dB (NEXT 4,5-7,8)
Cable Type: GenSpeed 10 MTP CMP
NVP: 67.0%

Main: Versiv
  S/N: 19140163
  Software Version: V6.7 Build 1
  Calibration Date: 07/01/2022
  Adapter: DSX-5000 (DSX-PLA004)
  S/N: 4537098

Test Summary: PASS

Remote: Versiv
  S/N: 19140167
  Software Version: V6.7 Build 1
  Calibration Date: 07/01/2022
  Adapter: DSX-5000R (DSX-PLA004)
  S/N: 4537097

Length (ft), Limit 295	[Pair 1,2]	178
Prop. Delay (ns), Limit 498	[Pair 4,5]	292
Delay Skew (ns), Limit 44	[Pair 4,5]	22
Resistance (ohms)	[Pair 4,5]	8.86
Insertion Loss Margin (dB)	[Pair 4,5]	15.3
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	43.8

178 ft

Wire Map (T568B)
PASS

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	6.9	8.7	9.0	9.0
Freq. (MHz)	209.0	296.0	500.0	500.0
Limit (dB)	36.6	34.1	26.7	26.7
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	7.0	9.7	10.4	9.7
Freq. (MHz)	209.0	500.0	500.0	500.0
Limit (dB)	34.0	23.8	23.8	23.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-4,5	7,8-4,5	7,8-4,5	7,8-4,5
ACR-F (dB)	12.8	13.3	14.1	14.8
Freq. (MHz)	220.5	220.0	486.0	485.0
Limit (dB)	17.3	17.3	10.5	10.5
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	13.7	14.2	14.2	14.2
Freq. (MHz)	443.0	479.0	486.0	479.0
Limit (dB)	8.3	7.6	7.5	7.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	12.5	11.5	24.3	24.3
Freq. (MHz)	12.9	3.4	500.0	500.0
Limit (dB)	49.8	61.7	-17.1	-17.1
Worst Pair	7,8	7,8	3,6	3,6
PS ACR-N (dB)	12.2	11.9	26.1	25.4
Freq. (MHz)	16.4	3.5	500.0	500.0
Limit (dB)	45.0	58.7	-20.0	-20.0
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	1,2	4,5
RL (dB)	8.7	7.3	8.7	7.3
Freq. (MHz)	497.0	500.0	497.0	500.0
Limit (dB)	8.0	8.0	8.0	8.0

Compliant Network Standards:

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

Insertion Loss (dB)

NEXT (dB)

NEXT @ Remote (dB)

ACR-F (dB)

ACR-F @ Remote (dB)

ACR-N (dB)

ACR-N @ Remote (dB)

RL (dB)

RL @ Remote (dB)

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