

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
D01	PASS	TIA Cat 6 Channel	53.6 m	2.5 dB (NEXT)	09/21/2023 12:27 PM
D02	PASS	TIA Cat 6 Channel	53.6 m	2.1 dB (NEXT)	09/21/2023 12:27 PM
D03	PASS	TIA Cat 6 Channel	53.8 m	2.4 dB (NEXT)	09/21/2023 12:28 PM
D04	PASS	TIA Cat 6 Channel	53.8 m	1.5 dB (NEXT)	09/21/2023 12:29 PM
D05	PASS	TIA Cat 6 Channel	53.8 m	2.0 dB (NEXT)	09/21/2023 12:29 PM
D06	PASS	TIA Cat 6 Channel	53.8 m	2.4 dB (NEXT)	09/21/2023 12:13 PM
D07	PASS	TIA Cat 6 Channel	53.8 m	2.6 dB (NEXT)	09/21/2023 12:14 PM
D08	PASS	TIA Cat 6 Channel	53.8 m	2.6 dB (NEXT)	09/21/2023 12:15 PM
D09	PASS	TIA Cat 6 Channel	54.0 m	2.8 dB (NEXT)	09/21/2023 12:15 PM
D10	PASS	TIA Cat 6 Channel	54.0 m	2.6 dB (NEXT)	09/21/2023 12:16 PM
D11	PASS	TIA Cat 6 Channel	54.0 m	2.3 dB (NEXT)	09/21/2023 12:16 PM
D12	PASS	TIA Cat 6 Channel	54.0 m	2.2 dB (NEXT)	09/21/2023 12:17 PM
D13	PASS	TIA Cat 6 Channel	54.2 m	2.6 dB (NEXT)	09/21/2023 12:18 PM
D14	PASS	TIA Cat 6 Channel	54.2 m	2.5 dB (NEXT)	09/21/2023 12:18 PM
D15	PASS	TIA Cat 6 Channel	54.2 m	2.1 dB (NEXT)	09/21/2023 12:19 PM
D16	PASS	TIA Cat 6 Channel	54.2 m	2.1 dB (NEXT)	09/21/2023 12:19 PM
D17	PASS	TIA Cat 6 Channel	54.2 m	2.9 dB (NEXT)	09/21/2023 12:20 PM
D18	PASS	TIA Cat 6 Channel	54.2 m	1.8 dB (NEXT)	09/21/2023 12:20 PM
D19	PASS	TIA Cat 6 Channel	54.2 m	2.3 dB (NEXT)	09/21/2023 12:22 PM
D20	PASS	TIA Cat 6 Channel	54.4 m	2.6 dB (NEXT)	09/21/2023 12:21 PM
D21	PASS	TIA Cat 6 Channel	54.4 m	2.1 dB (NEXT)	09/21/2023 12:22 PM
D22	PASS	TIA Cat 6 Channel	54.4 m	2.9 dB (NEXT)	09/21/2023 12:22 PM
D23	PASS	TIA Cat 6 Channel	53.8 m	3.1 dB (NEXT)	09/21/2023 12:23 PM
D24	PASS	TIA Cat 6 Channel	53.8 m	2.7 dB (NEXT)	09/21/2023 12:23 PM
D25	PASS	TIA Cat 6 Channel	53.0 m	1.9 dB (NEXT)	09/21/2023 12:24 PM
D26	PASS	TIA Cat 6 Channel	53.0 m	2.4 dB (NEXT)	09/21/2023 12:24 PM
D27	PASS	TIA Cat 6 Channel	53.0 m	2.4 dB (NEXT)	09/21/2023 12:25 PM
D28	PASS	TIA Cat 6 Channel	53.0 m	1.9 dB (NEXT)	09/21/2023 12:25 PM
D29	PASS	TIA Cat 6 Channel	53.2 m	2.5 dB (NEXT)	09/21/2023 12:26 PM
D30	PASS	TIA Cat 6 Channel	53.2 m	2.7 dB (NEXT)	09/21/2023 12:26 PM

Total Length:	1614.6 m
Number of Reports:	30
Number of Passing Reports:	30
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: D01

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:27:18 PM

Operator: CMCSHTP

Headroom 2.5 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

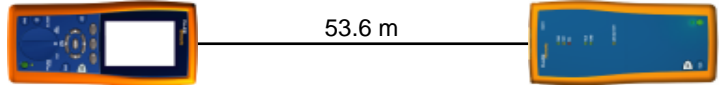
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

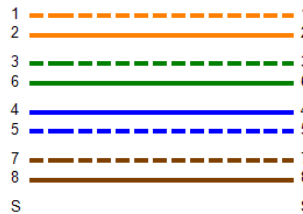
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.6
Prop. Delay (ns), Limit 555	[Pair 4,5]	278
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

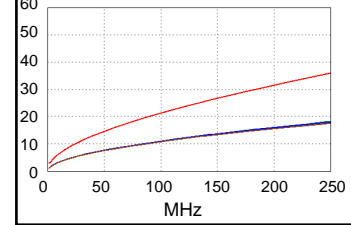


Wire Map (T568B)

PASS

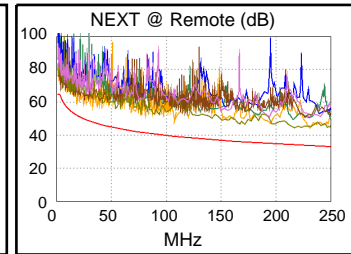
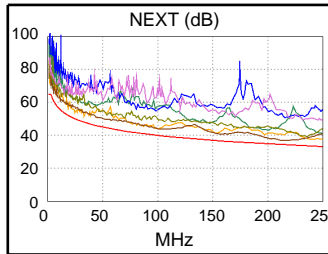


Insertion Loss (dB)

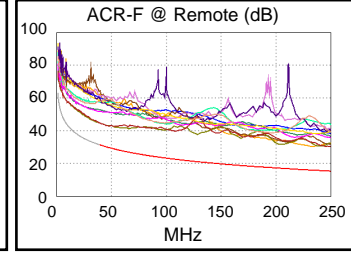
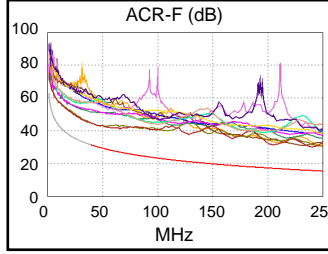


Worst Case Margin Worst Case Value

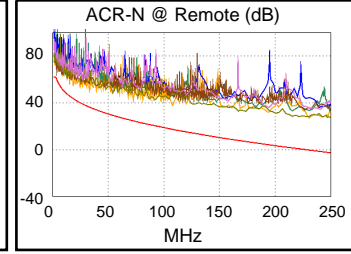
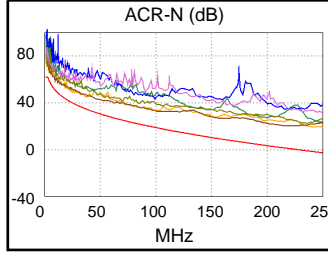
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	2.5	6.3	2.6	10.5
Freq. (MHz)	211.5	3.6	215.5	230.0
Limit (dB)	34.4	63.7	34.2	33.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	7.2	3.2	10.2
Freq. (MHz)	233.5	3.6	240.0	230.0
Limit (dB)	30.7	61.2	30.5	30.8



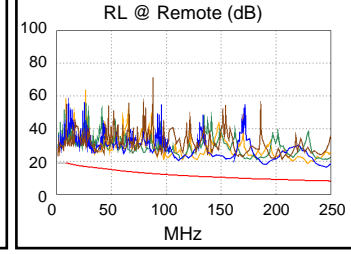
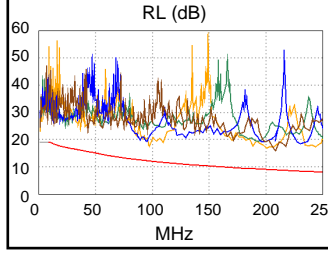
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	1,2-3,6
ACR-F (dB)	12.5	12.5	14.4	14.4
Freq. (MHz)	3.6	3.6	238.0	232.0
Limit (dB)	52.1	52.1	15.7	15.9
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-F (dB)	14.5	14.3	15.3	15.6
Freq. (MHz)	4.3	3.6	242.5	239.5
Limit (dB)	47.7	49.1	12.6	12.7



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)	7.4	8.2	20.5	27.4
Freq. (MHz)	5.4	3.6	240.0	230.0
Limit (dB)	56.3	59.9	-1.7	-0.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.1	9.1	20.2	27.1
Freq. (MHz)	3.9	3.6	240.0	230.0
Limit (dB)	56.8	57.4	-4.6	-3.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	5.4	6.7	6.9	8.5
Freq. (MHz)	97.3	36.8	208.0	244.0
Limit (dB)	12.1	16.2	8.8	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: D02

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:27:50 PM

Operator: CMCSHTP

Headroom 2.1 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

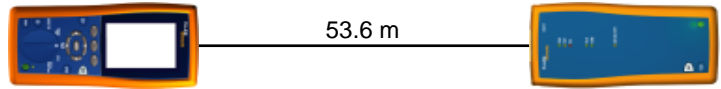
Software Version: 2.5200

Calibration Date: 07/18/2011

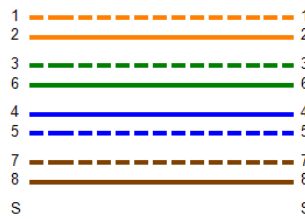
Adapter: DTX-CHA002

S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.6
Prop. Delay (ns), Limit 555	[Pair 4,5]	279
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.8
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

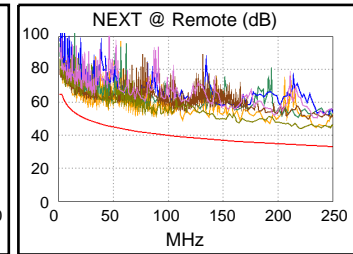
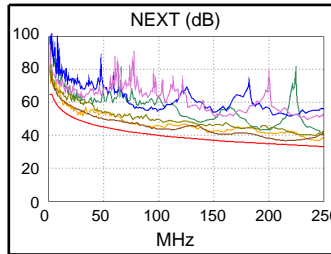


Wire Map (T568B)
PASS

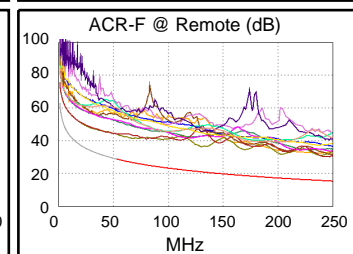
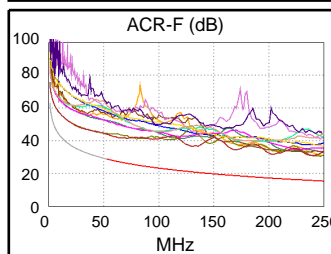


Worst Case Margin Worst Case Value

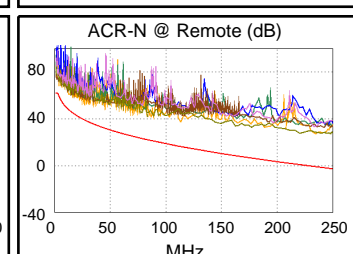
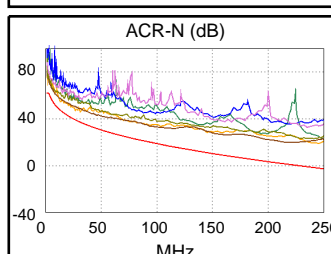
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.1	8.2	2.1	9.8
Freq. (MHz)	213.0	26.5	213.0	220.5
Limit (dB)	34.3	49.6	34.3	34.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	8.9	3.2	10.9
Freq. (MHz)	235.0	3.8	242.0	239.5
Limit (dB)	30.6	61.0	30.4	30.5



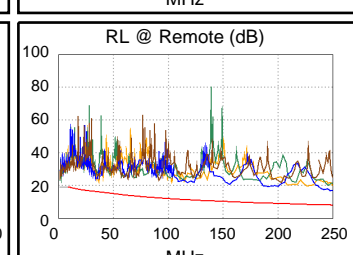
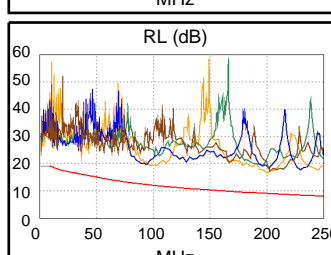
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	12.7	12.6	15.0	14.7
Freq. (MHz)	2.4	2.9	247.0	243.5
Limit (dB)	55.7	54.1	15.4	15.5
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-F (dB)	14.7	14.5	15.7	16.0
Freq. (MHz)	3.1	3.0	239.5	247.0
Limit (dB)	50.4	50.7	12.7	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	6.9	11.1	21.3	28.5
Freq. (MHz)	13.1	3.4	245.5	238.5
Limit (dB)	47.4	60.5	-2.3	-1.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.3	10.9	20.6	28.2
Freq. (MHz)	12.6	3.8	242.0	239.5
Limit (dB)	45.2	57.1	-4.9	-4.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.6	6.0	7.4	8.6
Freq. (MHz)	36.8	36.8	201.0	247.5
Limit (dB)	16.2	16.2	9.0	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: D03

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:28:15 PM

Operator: CMCSHTP

Headroom 2.4 dB (NEXT 1,2-3,6)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

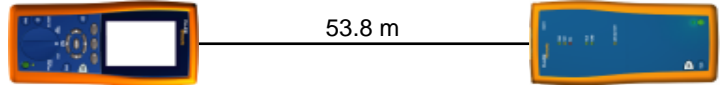
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

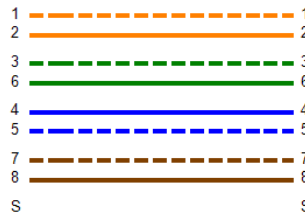
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	279
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

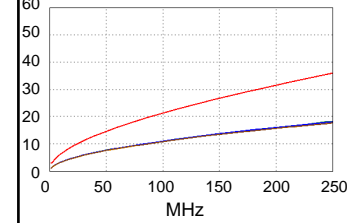


Wire Map (T568B)

PASS

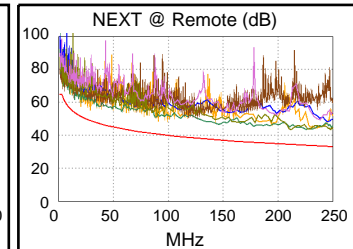
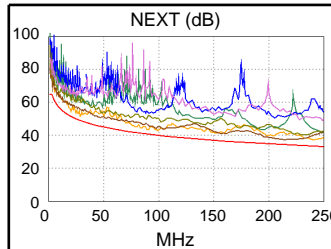


Insertion Loss (dB)

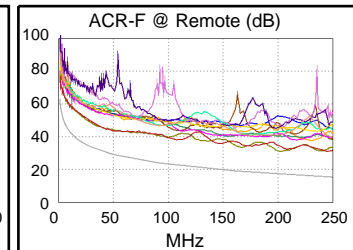
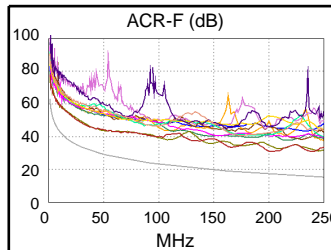


Worst Case Margin Worst Case Value

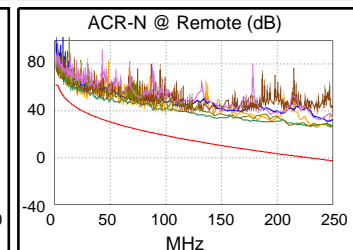
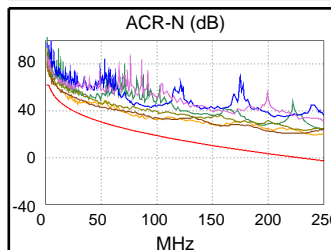
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	2.4	6.8	3.9	9.9
Freq. (MHz)	28.8	20.4	240.0	234.5
Limit (dB)	49.0	51.5	33.4	33.6
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	3.0	7.5	3.2	10.2
Freq. (MHz)	89.0	3.8	232.0	234.5
Limit (dB)	38.0	61.0	30.7	30.6



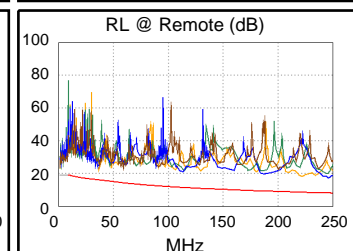
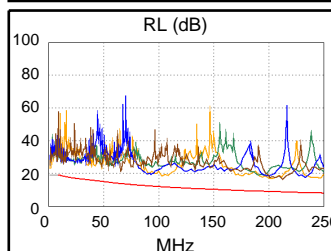
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	13.3	13.2	13.7	13.9
Freq. (MHz)	2.8	2.8	201.0	203.0
Limit (dB)	54.5	54.5	17.2	17.1
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	15.9	16.0	17.9	16.0
Freq. (MHz)	3.8	200.5	245.0	203.0
Limit (dB)	48.8	14.2	12.5	14.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	7.1	9.8	21.0	26.8
Freq. (MHz)	20.4	3.8	241.5	234.5
Limit (dB)	42.4	59.6	-1.8	-1.0
Worst Pair	3,6	3,6	3,6	1,2
PS ACR-N (dB)	6.7	9.5	20.1	27.7
Freq. (MHz)	5.5	3.8	233.0	234.5
Limit (dB)	53.6	57.1	-3.8	-4.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.4	5.6	7.7	9.2
Freq. (MHz)	103.5	36.8	212.5	245.5
Limit (dB)	11.9	16.2	8.7	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: D04

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:29:19 PM

Operator: CMCSHTP

Headroom 1.5 dB (NEXT 1,2-3,6)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

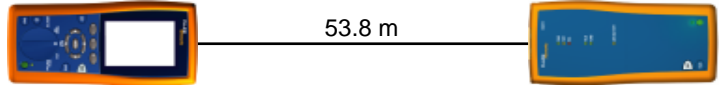
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

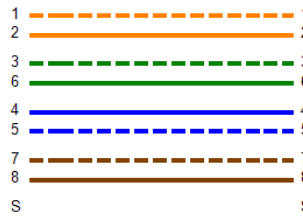
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

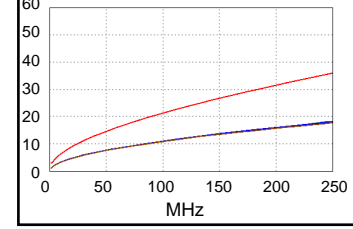


Wire Map (T568B)

PASS

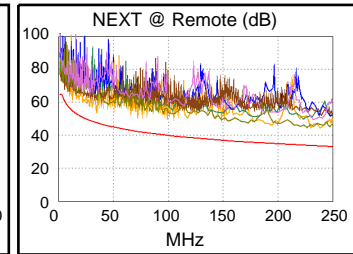
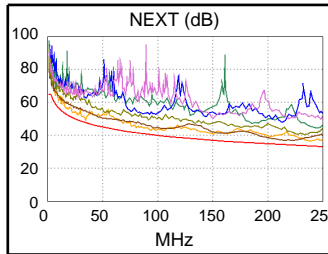


Insertion Loss (dB)

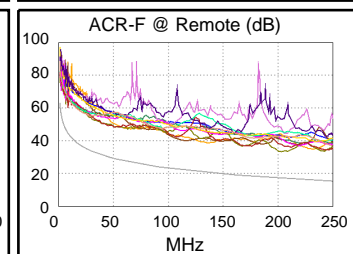
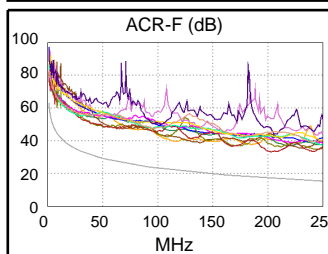


Worst Case Margin Worst Case Value

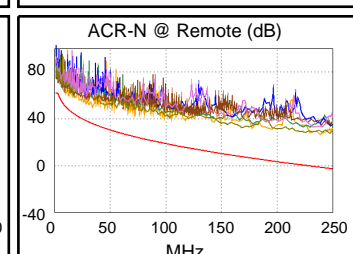
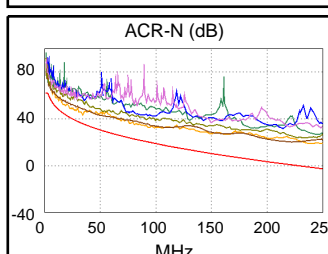
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	1.5	6.2	3.0	10.9
Freq. (MHz)	34.5	34.5	237.0	238.0
Limit (dB)	47.7	47.7	33.5	33.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.9	7.8	3.0	11.6
Freq. (MHz)	34.5	3.8	235.0	240.5
Limit (dB)	45.0	61.0	30.6	30.4



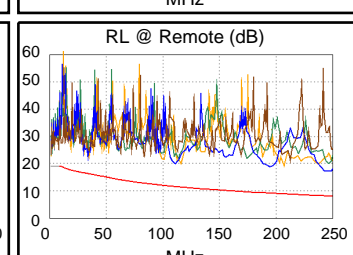
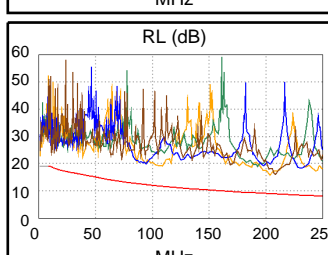
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	16.0	16.1	16.0	16.1
Freq. (MHz)	202.5	202.5	202.5	202.5
Limit (dB)	17.1	17.1	17.1	17.1
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	18.1	18.0	18.1	18.8
Freq. (MHz)	202.5	202.5	208.5	242.0
Limit (dB)	14.1	14.1	13.9	12.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	7.0	10.5	20.0	27.9
Freq. (MHz)	12.8	3.4	237.0	238.0
Limit (dB)	47.7	60.5	-1.3	-1.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.9	9.8	19.9	28.7
Freq. (MHz)	3.6	3.8	235.0	240.5
Limit (dB)	57.4	57.1	-4.0	-4.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	1,2	1,2	4,5
RL (dB)	4.7	6.1	6.8	8.8
Freq. (MHz)	11.5	34.5	203.0	244.0
Limit (dB)	18.7	16.3	8.9	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: D05

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:29:50 PM

Operator: CMCSHTP

Headroom 2.0 dB (NEXT 1,2-3,6)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

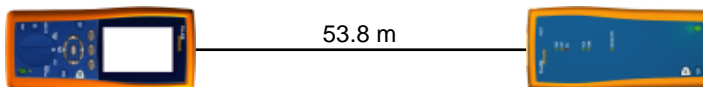
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

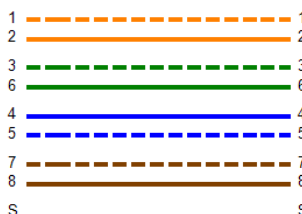
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

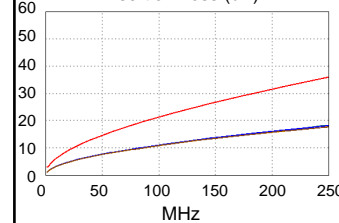


Wire Map (T568B)

PASS

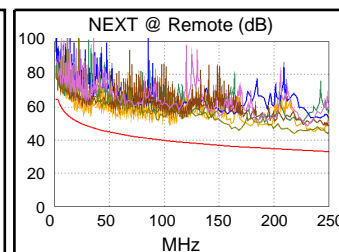
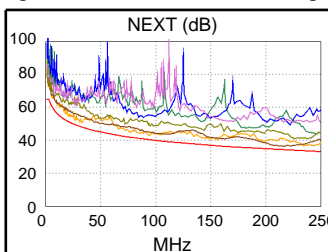


Insertion Loss (dB)

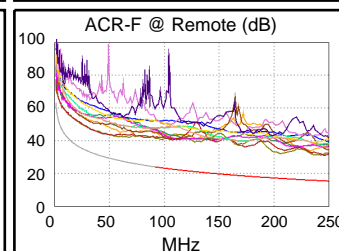
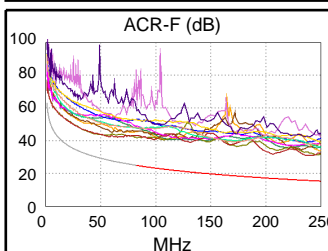


Worst Case Margin Worst Case Value

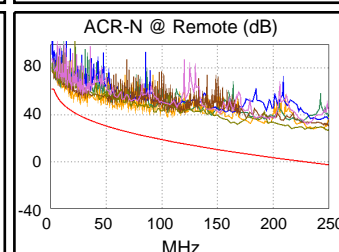
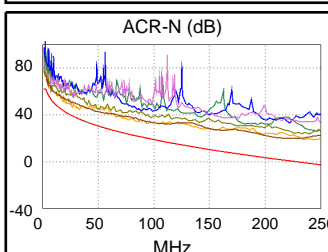
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.0	5.8	2.2	9.7
Freq. (MHz)	26.6	26.6	216.5	218.0
Limit (dB)	49.6	49.6	34.2	34.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.5	7.9	2.5	11.6
Freq. (MHz)	234.0	26.6	234.0	235.0
Limit (dB)	30.7	46.9	30.7	30.6



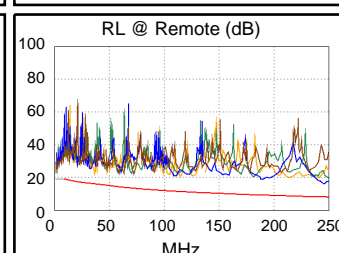
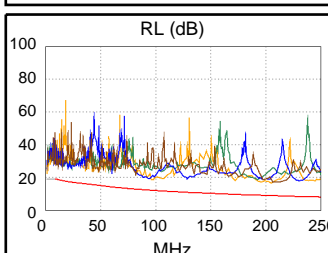
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	12.4	12.4	15.0	15.3
Freq. (MHz)	2.6	2.6	237.5	237.5
Limit (dB)	54.9	54.9	15.7	15.7
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	15.2	14.9	16.8	16.6
Freq. (MHz)	3.6	6.4	245.0	238.0
Limit (dB)	49.1	44.2	12.5	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	7.0	10.3	20.6	29.4
Freq. (MHz)	26.6	2.9	243.0	248.5
Limit (dB)	39.1	61.6	-2.0	-2.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.6	11.1	19.4	29.5
Freq. (MHz)	5.4	4.0	234.0	245.5
Limit (dB)	53.8	56.5	-3.9	-5.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.3	6.2	7.4	8.0
Freq. (MHz)	96.3	36.5	204.5	244.5
Limit (dB)	12.2	16.2	8.9	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: D06

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:13:37 PM

Operator: CMCSHTP

Headroom 2.4 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

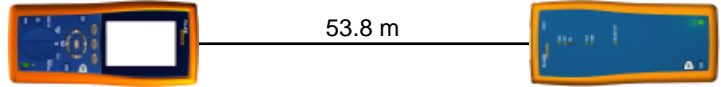
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

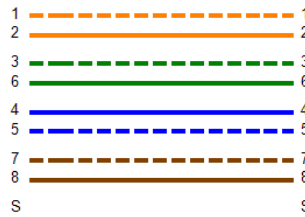
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

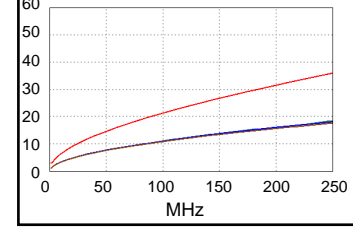


Wire Map (T568B)

PASS

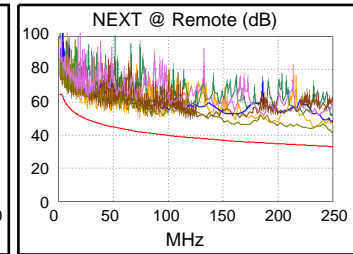
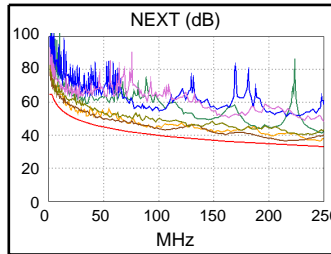


Insertion Loss (dB)

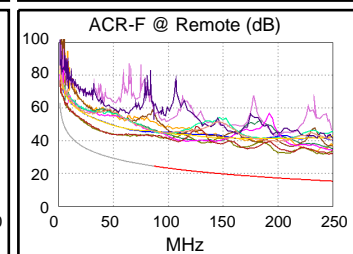
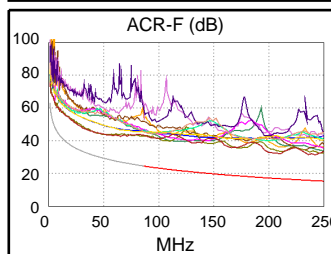


Worst Case Margin Worst Case Value

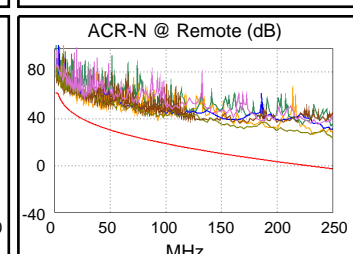
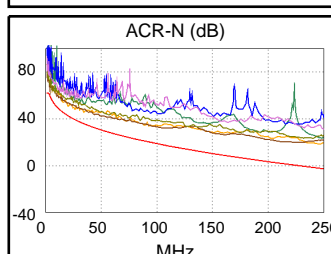
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.4	6.8	2.4	8.6
Freq. (MHz)	214.5	3.6	218.5	249.0
Limit (dB)	34.3	63.7	34.1	33.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.9	7.0	2.9	10.5
Freq. (MHz)	234.0	3.9	234.0	249.5
Limit (dB)	30.7	60.8	30.7	30.2



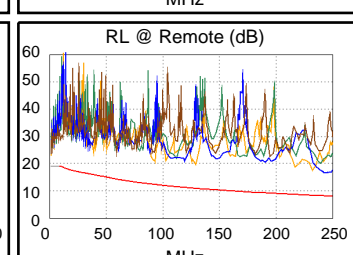
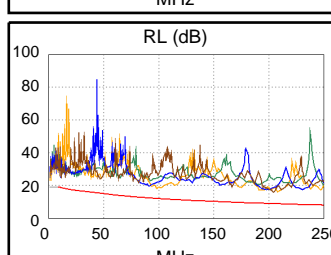
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	12.7	12.7	15.7	16.1
Freq. (MHz)	2.9	2.9	242.0	242.0
Limit (dB)	54.1	54.1	15.6	15.6
Worst Pair	3,6	4,5	4,5	4,5
PS ACR-F (dB)	16.1	15.0	17.5	17.4
Freq. (MHz)	8.4	8.4	246.5	242.0
Limit (dB)	41.8	41.8	12.4	12.6



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)	5.4	8.7	20.6	26.9
Freq. (MHz)	3.9	3.6	246.5	249.0
Limit (dB)	59.3	59.9	-2.4	-2.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.6	9.0	19.8	28.0
Freq. (MHz)	3.9	3.6	236.0	249.5
Limit (dB)	56.8	57.4	-4.1	-5.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	5.8	7.8	6.9	8.0
Freq. (MHz)	98.0	38.5	204.5	242.5
Limit (dB)	12.1	16.1	8.9	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: D07

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:14:44 PM

Operator: CMCSHTP

Headroom 2.6 dB (NEXT 1,2-3,6)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

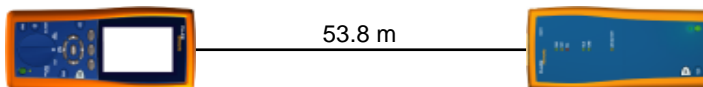
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

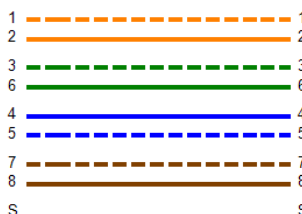
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

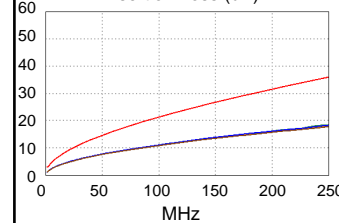


Wire Map (T568B)

PASS

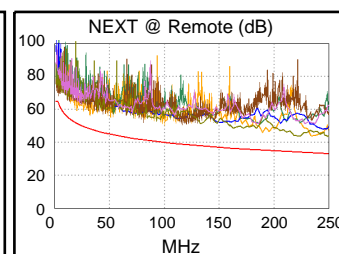
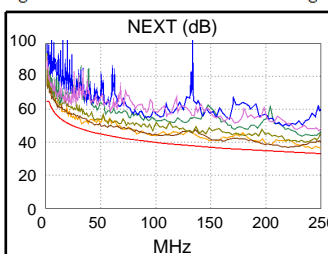


Insertion Loss (dB)

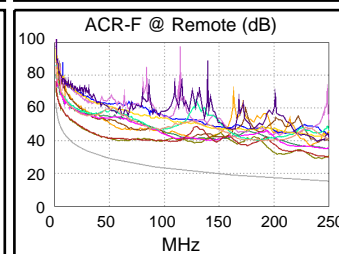
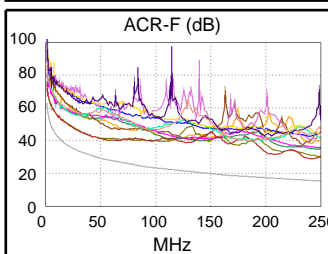


Worst Case Margin Worst Case Value

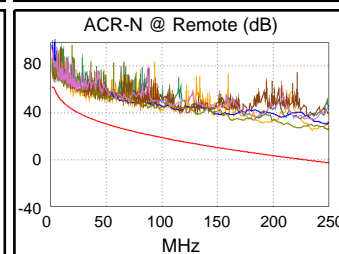
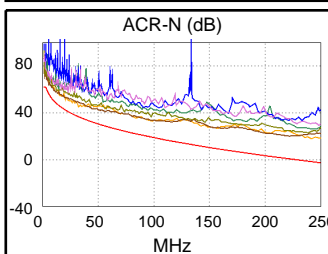
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
NEXT (dB)	2.6	7.2	2.6	9.2
Freq. (MHz)	241.5	3.6	241.5	235.5
Limit (dB)	33.4	63.7	33.4	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.0	7.4	3.2	10.7
Freq. (MHz)	97.3	3.6	239.5	235.0
Limit (dB)	37.3	61.2	30.5	30.6



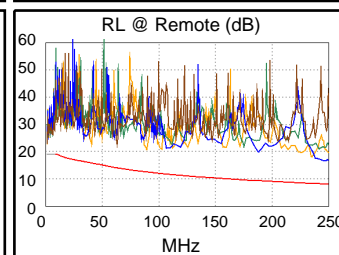
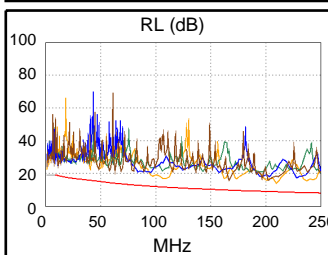
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.0	11.0	13.2	13.6
Freq. (MHz)	3.6	3.6	242.0	243.0
Limit (dB)	52.1	52.1	15.6	15.5
Worst Pair	4,5	4,5	3,6	4,5
PS ACR-F (dB)	13.3	13.4	15.7	15.4
Freq. (MHz)	3.1	3.6	242.0	242.0
Limit (dB)	50.4	49.1	12.6	12.6



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)	7.9	9.1	19.5	26.0
Freq. (MHz)	5.4	3.6	241.5	235.5
Limit (dB)	56.3	59.9	-1.8	-1.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.2	9.3	20.1	27.9
Freq. (MHz)	5.4	3.6	239.5	241.0
Limit (dB)	53.8	57.4	-4.6	-4.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	5.0	6.8	5.2	8.4
Freq. (MHz)	107.0	40.5	209.5	244.0
Limit (dB)	11.7	15.9	8.8	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: D08

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:15:16 PM

Operator: CMCSHTP

Headroom 2.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

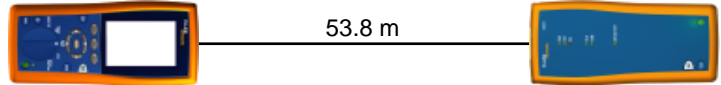
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

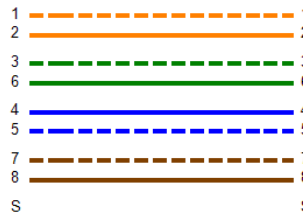
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

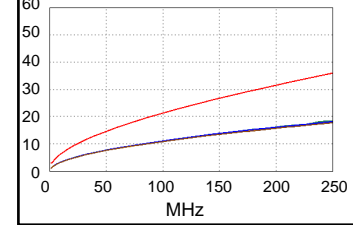


Wire Map (T568B)

PASS

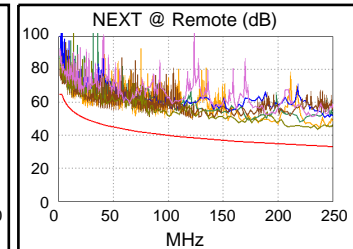
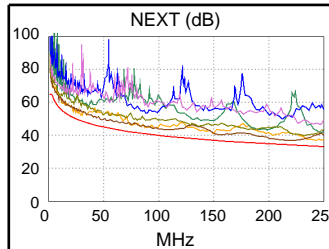


Insertion Loss (dB)

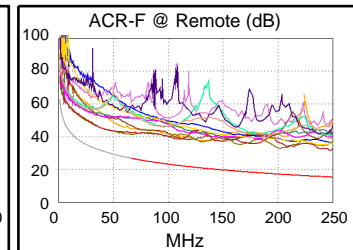
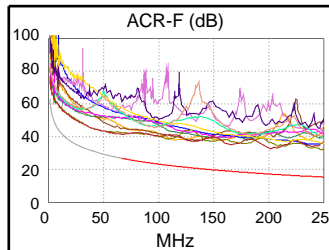


Worst Case Margin Worst Case Value

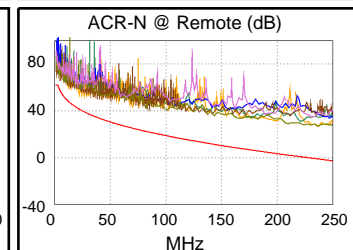
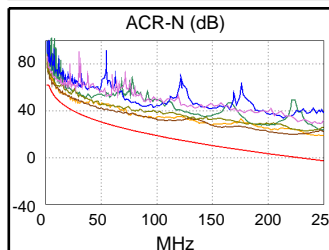
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.6	7.4	2.6	10.1
Freq. (MHz)	208.5	3.4	218.5	236.0
Limit (dB)	34.5	64.2	34.1	33.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.0	7.2	3.1	10.5
Freq. (MHz)	87.8	3.8	232.0	235.5
Limit (dB)	38.1	61.0	30.7	30.6



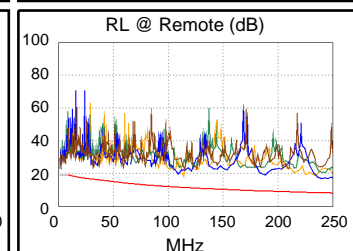
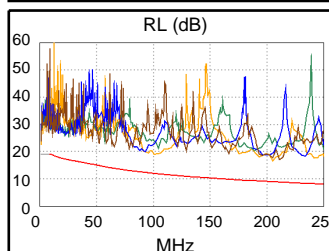
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	12.2	12.2	16.7	16.3
Freq. (MHz)	3.0	3.0	246.5	246.5
Limit (dB)	53.7	53.7	15.4	15.4
Worst Pair	4,5	4,5	4,5	3,6
PS ACR-F (dB)	14.7	14.1	18.4	19.3
Freq. (MHz)	4.6	3.0	246.5	246.5
Limit (dB)	47.0	50.7	12.4	12.4



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)	6.6	9.3	20.7	27.4
Freq. (MHz)	5.6	3.4	243.0	237.5
Limit (dB)	55.9	60.5	-2.0	-1.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.2	9.2	20.2	27.2
Freq. (MHz)	3.9	3.6	237.5	236.0
Limit (dB)	56.8	57.4	-4.3	-4.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.6	6.9	7.5	8.5
Freq. (MHz)	114.5	114.0	204.5	240.0
Limit (dB)	11.4	11.4	8.9	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: D09

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:15:48 PM

Operator: CMCSHTP

Headroom 2.8 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

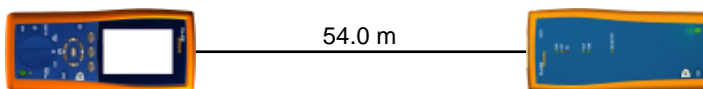
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

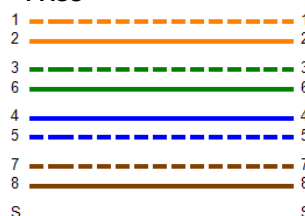
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

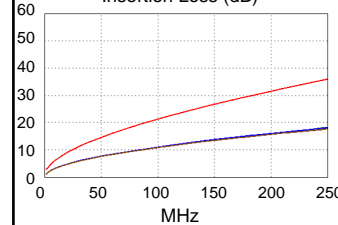


Wire Map (T568B)

PASS

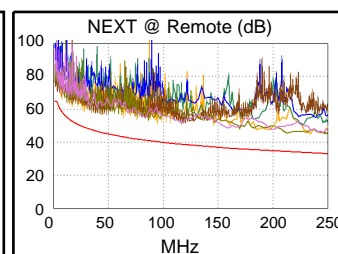
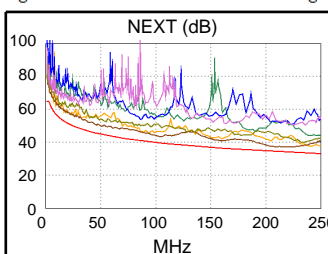


Insertion Loss (dB)

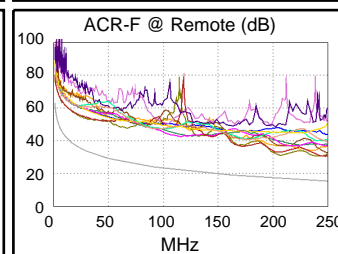
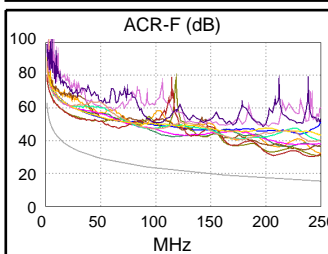


Worst Case Margin Worst Case Value

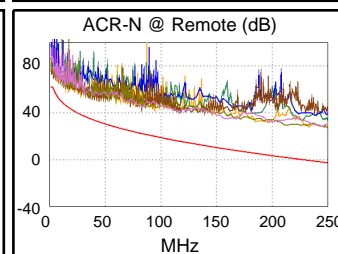
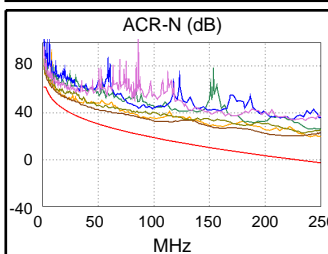
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	2.8	7.8	2.8	11.3
Freq. (MHz)	216.0	3.5	216.0	233.5
Limit (dB)	34.2	64.0	34.2	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.4	7.7	3.4	12.2
Freq. (MHz)	232.0	3.5	232.0	246.5
Limit (dB)	30.7	61.5	30.7	30.3



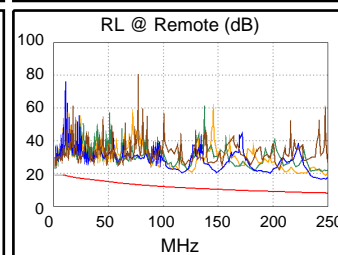
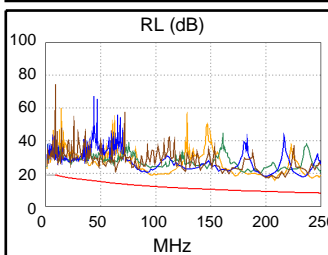
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	13.9	14.0	14.5	14.7
Freq. (MHz)	206.0	206.0	241.5	241.5
Limit (dB)	17.0	17.0	15.6	15.6
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	15.9	16.2	16.3	16.7
Freq. (MHz)	206.5	206.0	243.5	241.5
Limit (dB)	14.0	14.0	12.5	12.6



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	9.7	21.4	29.1
Freq. (MHz)	3.8	3.5	242.0	241.0
Limit (dB)	59.6	60.2	-1.9	-1.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.9	9.7	20.6	29.8
Freq. (MHz)	3.9	3.5	237.0	246.5
Limit (dB)	56.8	57.7	-4.3	-5.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	1,2	4,5
RL (dB)	6.6	8.4	7.0	8.4
Freq. (MHz)	96.0	243.5	208.0	243.5
Limit (dB)	12.2	8.1	8.8	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: D10

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:16:18 PM

Operator: CMCSHTP

Headroom 2.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

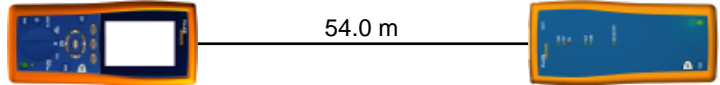
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

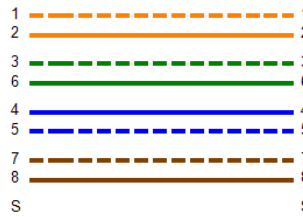
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.0
Frequency (MHz)	[Pair 3,6]	244.0
Limit (dB)	[Pair 3,6]	35.4

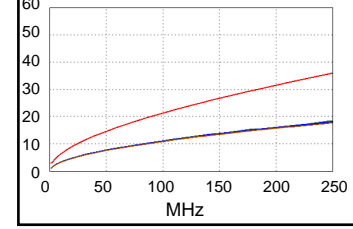


Wire Map (T568B)

PASS

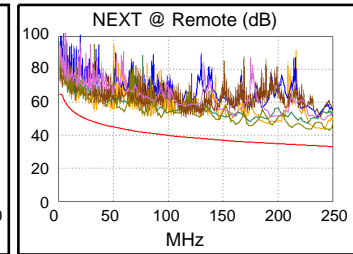
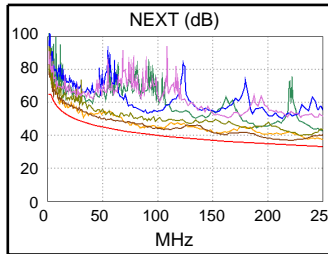


Insertion Loss (dB)

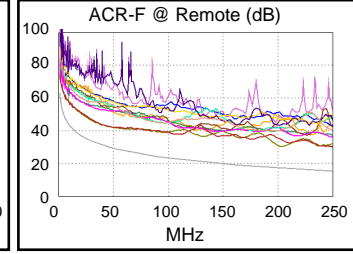
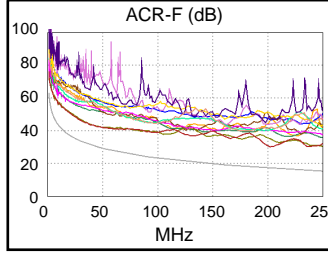


Worst Case Margin Worst Case Value

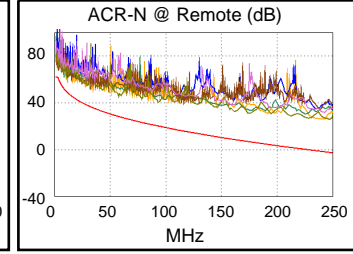
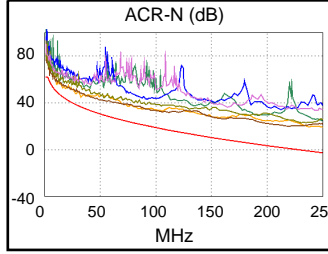
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	2.6	6.2	2.6	9.2
Freq. (MHz)	216.0	3.5	218.5	235.5
Limit (dB)	34.2	64.0	34.1	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	6.1	3.1	10.6
Freq. (MHz)	232.5	3.5	232.5	242.0
Limit (dB)	30.7	61.5	30.7	30.4



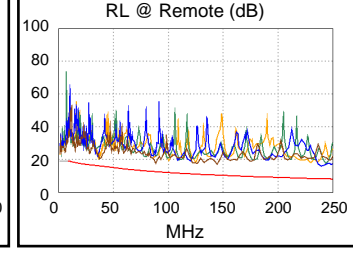
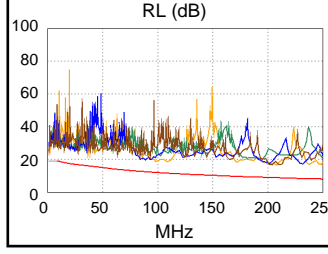
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-3,6
ACR-F (dB)	11.3	11.4	14.3	14.9
Freq. (MHz)	3.8	3.8	237.0	249.5
Limit (dB)	51.8	51.8	15.8	15.3
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	13.2	14.1	16.8	15.4
Freq. (MHz)	3.8	3.6	249.5	202.0
Limit (dB)	48.8	49.1	12.3	14.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	6.2	8.1	20.7	26.0
Freq. (MHz)	10.8	3.5	237.5	235.5
Limit (dB)	49.5	60.2	-1.4	-1.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.2	8.0	20.1	27.6
Freq. (MHz)	3.8	3.5	237.0	242.0
Limit (dB)	57.1	57.7	-4.3	-4.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	6.3	4.0	7.2	7.7
Freq. (MHz)	36.5	37.0	203.0	239.5
Limit (dB)	16.2	16.2	8.9	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

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:16:54 PM

Operator: CMCSHTP

Headroom 2.3 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

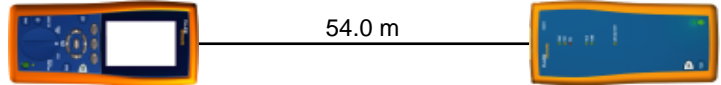
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

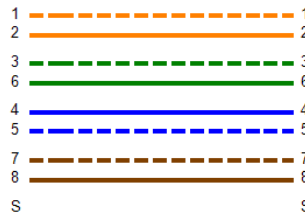
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.4
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

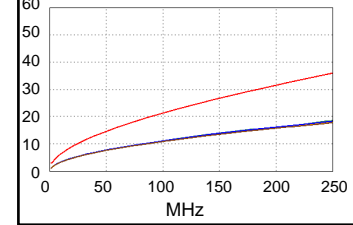


Wire Map (T568B)

PASS

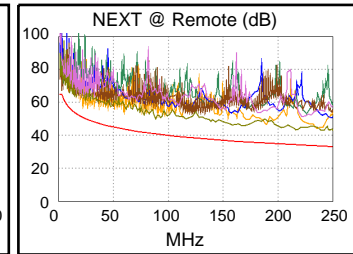
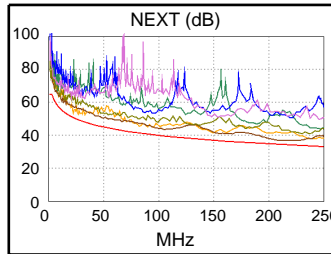


Insertion Loss (dB)

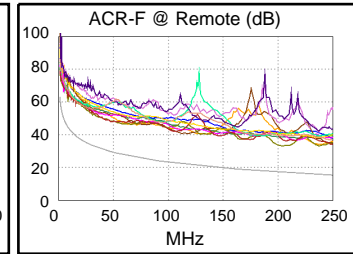
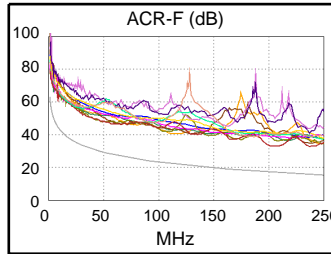


Worst Case Margin Worst Case Value

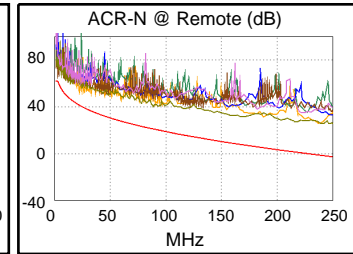
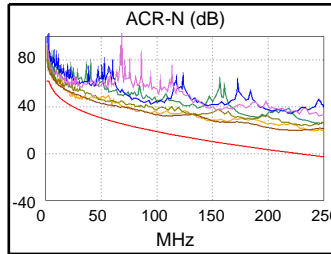
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.3	5.3	2.3	9.4
Freq. (MHz)	210.0	2.6	212.0	239.5
Limit (dB)	34.4	65.0	34.3	33.4
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.2	7.2	3.3	9.9
Freq. (MHz)	212.0	3.9	237.0	239.5
Limit (dB)	31.4	60.8	30.6	30.5



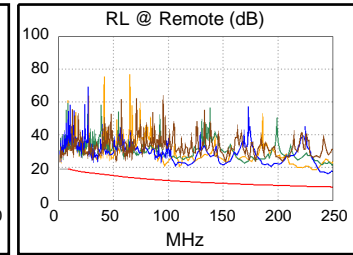
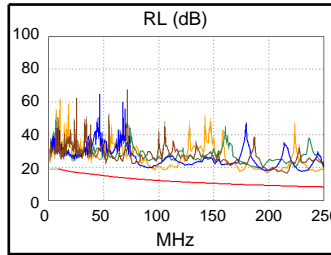
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	16.0	16.1	17.0	16.2
Freq. (MHz)	200.0	199.5	237.0	208.5
Limit (dB)	17.2	17.3	15.8	16.9
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	18.2	17.3	18.2	18.4
Freq. (MHz)	208.5	200.0	242.5	235.5
Limit (dB)	13.9	14.2	12.6	12.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	7.2	7.0	21.2	28.1
Freq. (MHz)	22.4	2.6	242.0	250.0
Limit (dB)	41.3	61.7	-1.9	-2.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	9.0	20.1	26.7
Freq. (MHz)	22.4	2.6	237.0	239.5
Limit (dB)	38.6	58.7	-4.3	-4.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.2	7.3	7.7	8.0
Freq. (MHz)	96.3	36.5	198.5	245.5
Limit (dB)	12.2	16.2	9.0	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: D12

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:17:30 PM

Operator: CMCSHTP

Headroom 2.2 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

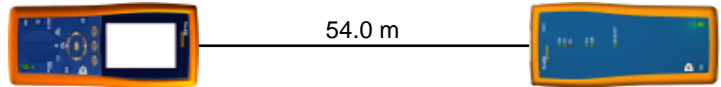
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

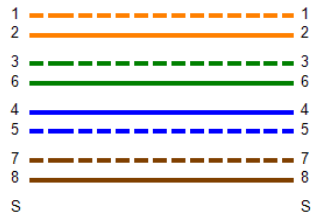
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

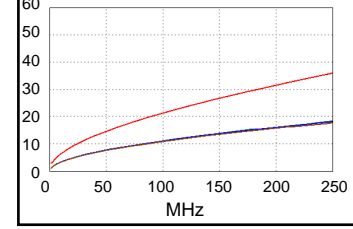


Wire Map (T568B)

PASS

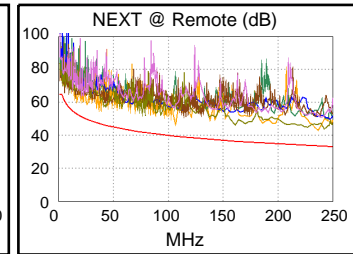
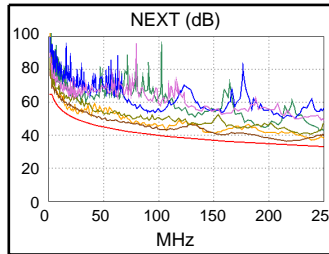


Insertion Loss (dB)

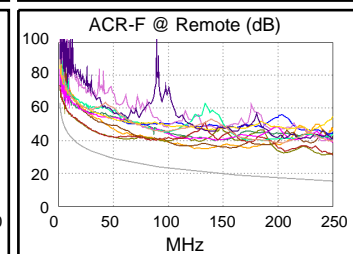
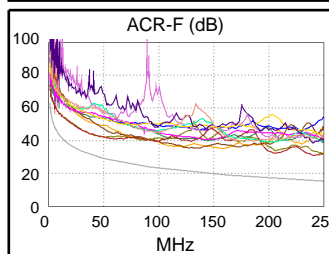


Worst Case Margin Worst Case Value

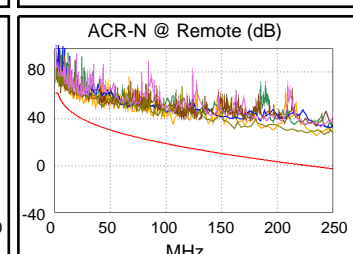
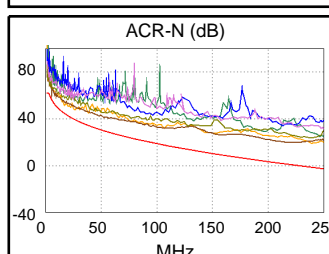
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.2	6.9	2.2	9.5
Freq. (MHz)	216.0	4.1	216.0	236.5
Limit (dB)	34.2	62.8	34.2	33.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	5.8	3.3	10.7
Freq. (MHz)	228.0	3.9	238.0	235.0
Limit (dB)	30.9	60.8	30.5	30.6



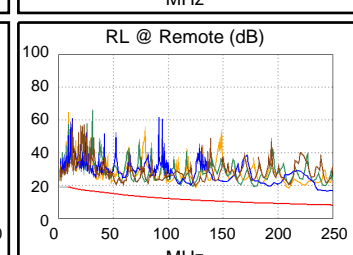
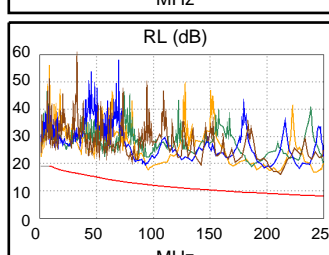
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	11.2	11.2	15.3	15.6
Freq. (MHz)	2.5	2.6	241.5	239.5
Limit (dB)	55.3	54.9	15.6	15.7
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	14.3	13.8	17.6	17.7
Freq. (MHz)	5.5	3.0	240.5	242.0
Limit (dB)	45.4	50.7	12.6	12.6



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)	5.4	9.0	20.6	26.4
Freq. (MHz)	5.4	4.1	238.5	236.5
Limit (dB)	56.3	58.7	-1.5	-1.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.1	7.8	20.2	27.7
Freq. (MHz)	5.4	3.9	238.5	236.5
Limit (dB)	53.8	56.8	-4.4	-4.2



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	5.2	5.8	7.3	8.1
Freq. (MHz)	95.8	52.5	212.0	243.5
Limit (dB)	12.2	14.8	8.7	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: D13

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:18:09 PM

Operator: CMCSHTP

Headroom 2.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

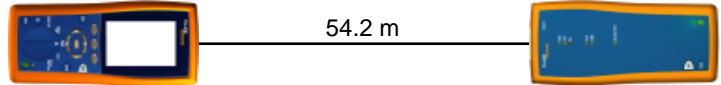
Software Version: 2.5200

Calibration Date: 07/18/2011

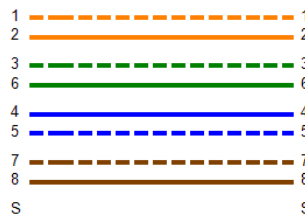
Adapter: DTX-CHA002

S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.2
Insertion Loss Margin (dB)	[Pair 4,5]	17.6
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9

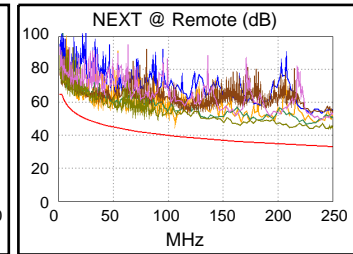
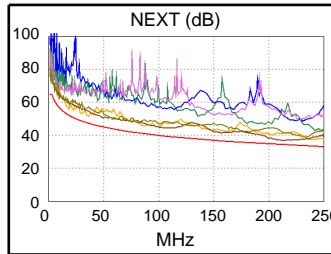


Wire Map (T568B)
PASS

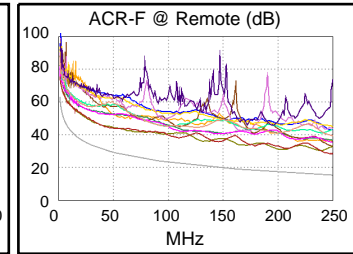
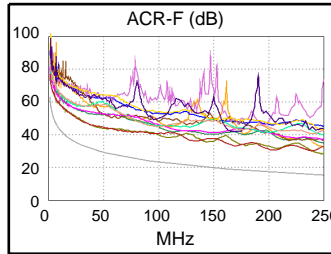


Worst Case Margin Worst Case Value

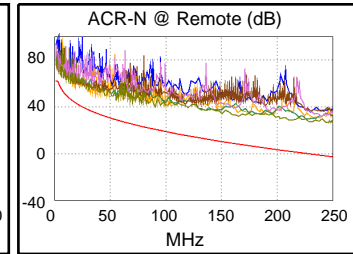
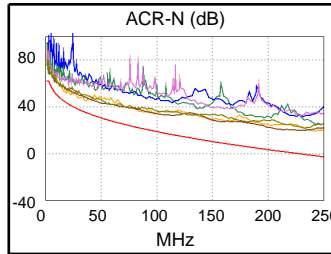
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	3,6-4,5	3,6-7,8
NEXT (dB)	2.6	7.3	2.6	10.0
Freq. (MHz)	211.5	4.0	213.5	229.0
Limit (dB)	34.4	63.0	34.3	33.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.8	6.2	2.8	11.6
Freq. (MHz)	234.0	3.9	234.0	233.5
Limit (dB)	30.7	60.8	30.7	30.7



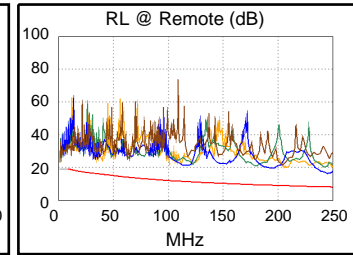
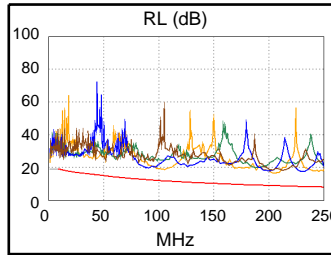
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.5	12.6	12.9	13.0
Freq. (MHz)	2.9	2.9	249.0	249.0
Limit (dB)	54.1	54.1	15.3	15.3
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	14.1	15.3	15.0	15.3
Freq. (MHz)	2.9	249.0	249.0	249.0
Limit (dB)	51.1	12.3	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-3,6	3,6-7,8
ACR-N (dB)	7.7	9.3	21.4	28.3
Freq. (MHz)	18.4	4.0	242.5	244.0
Limit (dB)	43.6	59.0	-2.0	-2.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.2	8.2	19.8	29.5
Freq. (MHz)	3.5	3.9	235.0	244.0
Limit (dB)	57.7	56.8	-4.0	-5.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.7	7.8	7.3	8.2
Freq. (MHz)	104.5	40.3	201.5	245.0
Limit (dB)	11.8	16.0	9.0	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: D14

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:18:42 PM

Operator: CMCSHTP

Headroom 2.5 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

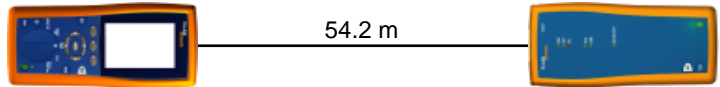
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

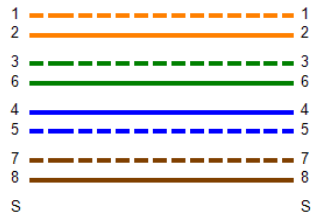
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

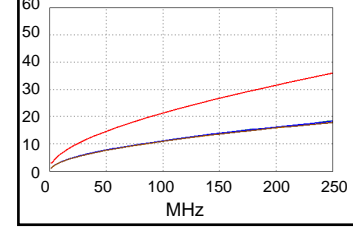


Wire Map (T568B)

PASS

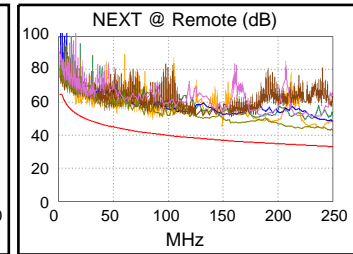
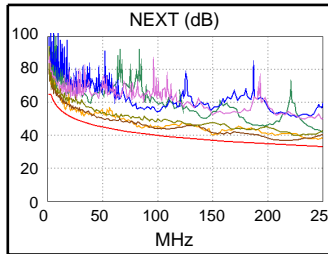


Insertion Loss (dB)

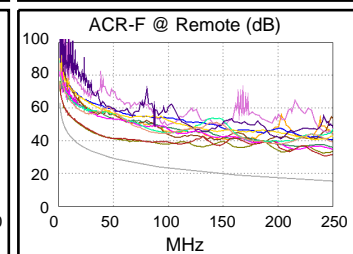
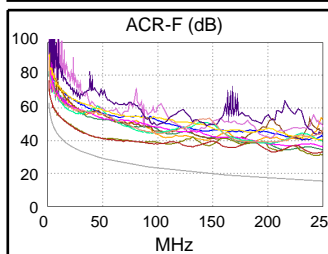


Worst Case Margin Worst Case Value

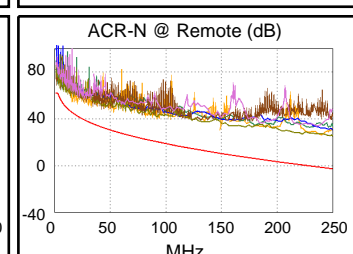
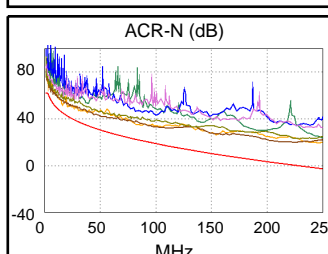
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.5	6.0	2.5	9.9
Freq. (MHz)	210.5	15.8	214.5	247.5
Limit (dB)	34.4	53.3	34.3	33.2
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.0	6.5	3.5	10.8
Freq. (MHz)	15.9	3.6	239.0	239.5
Limit (dB)	50.7	61.2	30.5	30.5



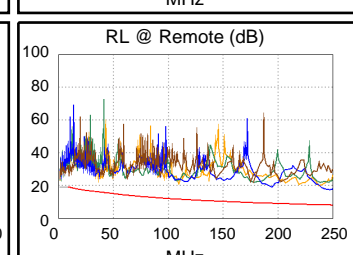
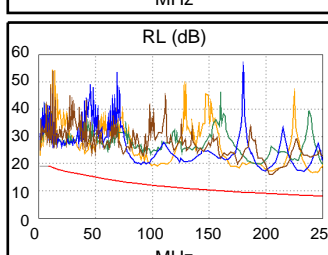
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.4	15.2	15.0
Freq. (MHz)	1.9	2.8	242.5	242.5
Limit (dB)	57.8	54.5	15.6	15.6
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	13.2	13.1	16.7	18.2
Freq. (MHz)	4.5	2.8	242.5	247.5
Limit (dB)	47.2	51.5	12.6	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	6.4	9.1	21.6	27.9
Freq. (MHz)	15.8	3.6	245.5	247.5
Limit (dB)	45.4	59.9	-2.3	-2.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	5.7	8.4	20.5	27.8
Freq. (MHz)	3.4	3.6	239.5	239.5
Limit (dB)	58.0	57.4	-4.6	-4.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	4,5
RL (dB)	6.7	7.3	6.8	9.3
Freq. (MHz)	100.5	9.6	204.5	245.0
Limit (dB)	12.0	19.0	8.9	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: D15

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:19:14 PM

Operator: CMCSHTP

Headroom 2.1 dB (NEXT 1,2-3,6)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

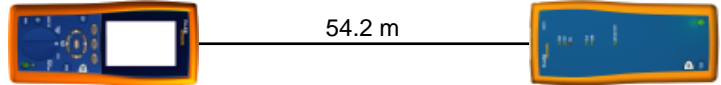
Software Version: 2.5200

Calibration Date: 07/18/2011

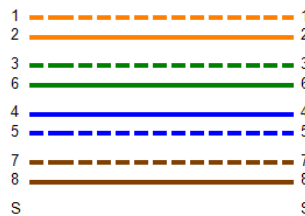
Adapter: DTX-CHA002

S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

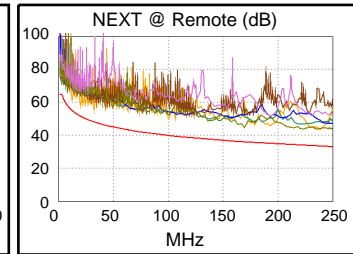
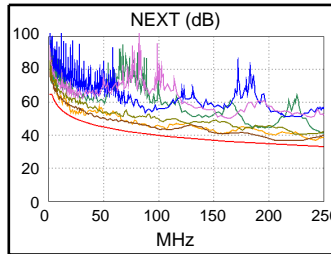


Wire Map (T568B)
PASS

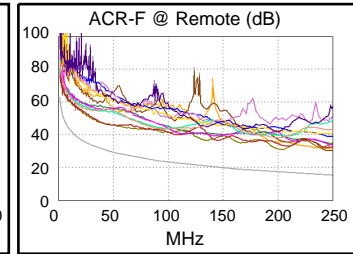
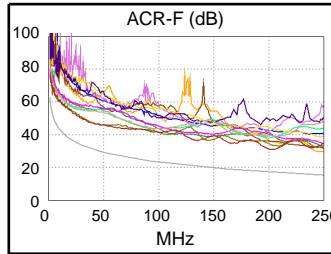


Worst Case Margin Worst Case Value

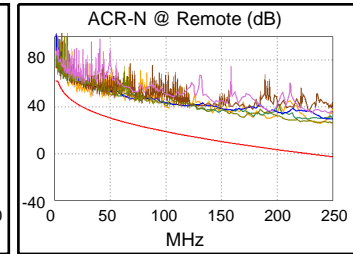
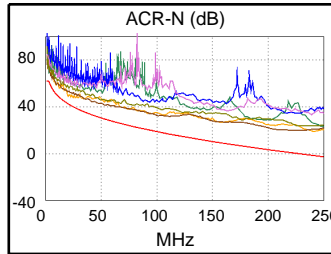
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	2.1	6.2	2.3	9.9
Freq. (MHz)	20.1	12.4	212.0	236.5
Limit (dB)	51.6	55.1	34.3	33.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.8	7.5	3.4	10.1
Freq. (MHz)	20.3	3.8	241.0	236.5
Limit (dB)	48.9	61.0	30.4	30.6



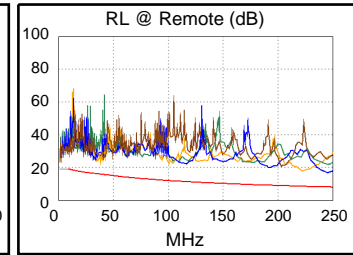
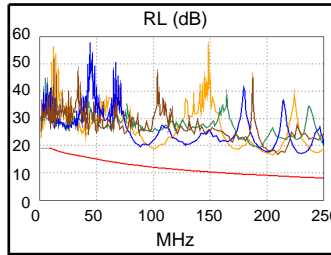
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	1,2-3,6	3,6-1,2
ACR-F (dB)	13.6	13.7	14.2	14.9
Freq. (MHz)	201.5	201.5	246.5	246.0
Limit (dB)	17.2	17.2	15.4	15.4
Worst Pair	3,6	1,2	3,6	1,2
PS ACR-F (dB)	15.3	15.5	15.3	15.5
Freq. (MHz)	241.5	246.5	241.5	246.5
Limit (dB)	12.6	12.4	12.6	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	6.3	9.3	20.6	26.7
Freq. (MHz)	20.3	1.9	241.5	236.5
Limit (dB)	42.5	62.0	-1.8	-1.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.9	9.5	20.4	26.9
Freq. (MHz)	9.5	3.8	241.5	236.5
Limit (dB)	48.2	57.1	-4.8	-4.2



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.6	7.2	7.6	8.6
Freq. (MHz)	100.5	38.3	205.0	245.5
Limit (dB)	12.0	16.1	8.9	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: D16

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:19:46 PM

Operator: CMCSHTP

Headroom 2.1 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

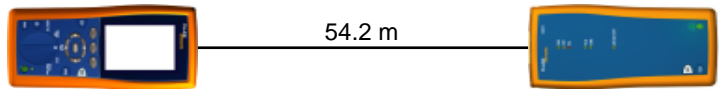
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

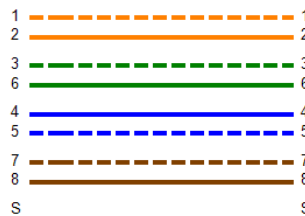
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

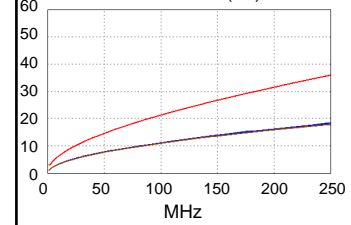


Wire Map (T568B)

PASS

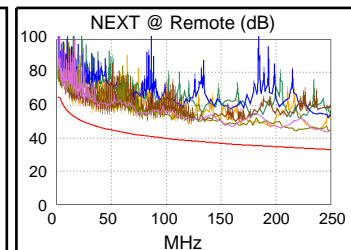
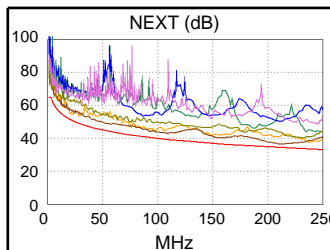


Insertion Loss (dB)

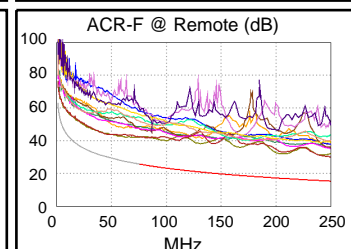
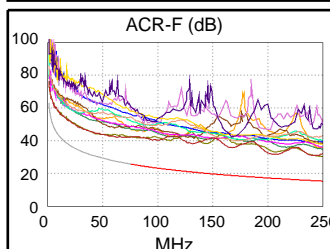


Worst Case Margin Worst Case Value

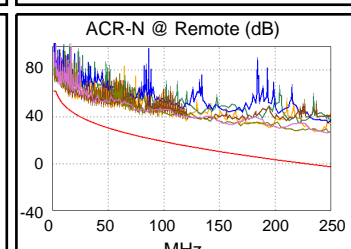
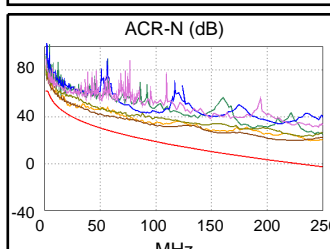
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	4,5-7,8
NEXT (dB)	2.1	6.7	2.1	10.7
Freq. (MHz)	210.5	3.8	212.0	246.0
Limit (dB)	34.4	63.5	34.3	33.2
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	3.1	7.0	3.5	11.0
Freq. (MHz)	210.0	3.8	239.0	247.5
Limit (dB)	31.5	61.0	30.5	30.2



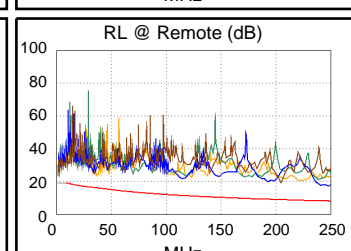
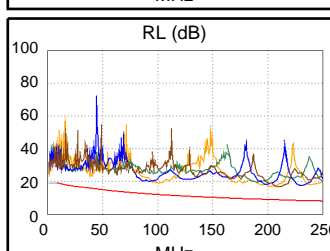
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	12.4	12.4	14.9	14.8
Freq. (MHz)	2.9	2.9	248.5	248.5
Limit (dB)	54.1	54.1	15.4	15.4
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	15.0	15.0	16.4	17.1
Freq. (MHz)	4.4	4.9	248.5	244.5
Limit (dB)	47.4	46.5	12.4	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	4,5-7,8
ACR-N (dB)	6.7	8.6	20.9	28.6
Freq. (MHz)	3.8	3.8	239.0	246.0
Limit (dB)	59.6	59.6	-1.5	-2.4
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	6.7	9.0	20.4	29.0
Freq. (MHz)	3.8	3.8	239.0	247.5
Limit (dB)	57.1	57.1	-4.5	-5.5



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.9	7.5	7.9	9.2
Freq. (MHz)	102.5	36.3	208.5	248.0
Limit (dB)	11.9	16.2	8.8	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: D17

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:20:13 PM

Operator: CMCSHTP

Headroom 2.9 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

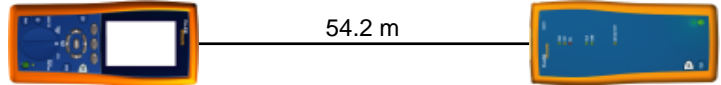
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

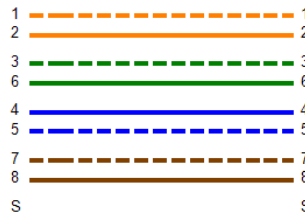
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	281
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 4,5]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

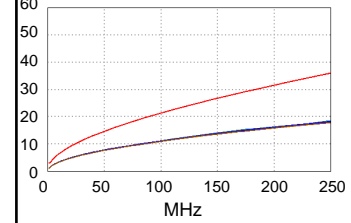


Wire Map (T568B)

PASS

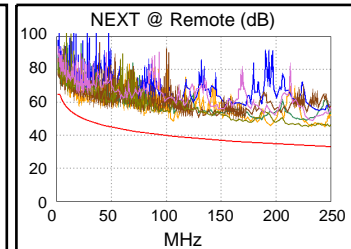
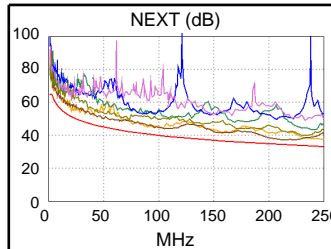


Insertion Loss (dB)

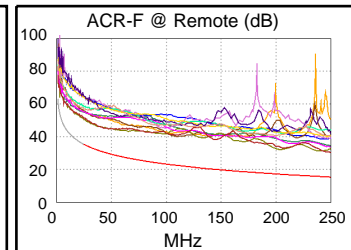
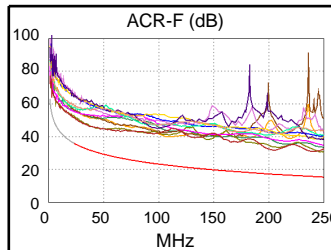


Worst Case Margin Worst Case Value

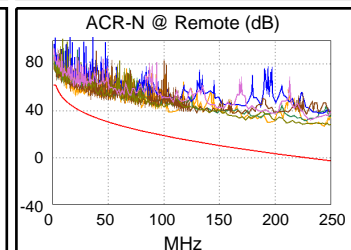
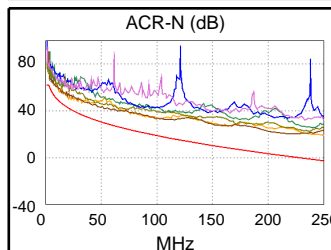
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.9	6.8	2.9	11.2
Freq. (MHz)	213.0	20.5	213.0	229.0
Limit (dB)	34.3	51.5	34.3	33.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.3	7.5	3.3	11.9
Freq. (MHz)	230.5	3.9	237.0	228.5
Limit (dB)	30.8	60.8	30.6	30.8



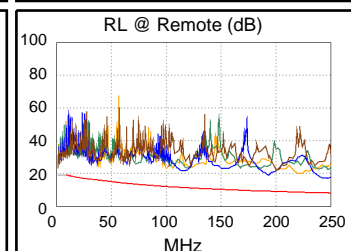
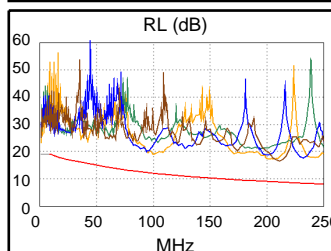
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	13.1	13.1	15.3	15.1
Freq. (MHz)	6.4	6.4	249.0	249.0
Limit (dB)	47.2	47.2	15.3	15.3
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	14.9	15.1	16.4	17.0
Freq. (MHz)	6.4	4.6	249.0	242.5
Limit (dB)	44.2	47.0	12.3	12.6



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)	6.6	8.9	21.8	29.0
Freq. (MHz)	3.6	3.6	249.5	244.0
Limit (dB)	59.9	59.9	-2.8	-2.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.6	9.5	20.3	29.7
Freq. (MHz)	3.6	3.5	238.0	244.0
Limit (dB)	57.4	57.7	-4.4	-5.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.9	8.3	7.3	8.9
Freq. (MHz)	99.5	36.3	209.0	243.0
Limit (dB)	12.0	16.2	8.8	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: D18

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:20:47 PM

Operator: CMCSHTP

Headroom 1.8 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

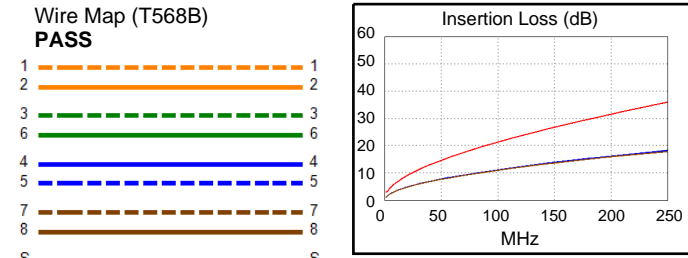
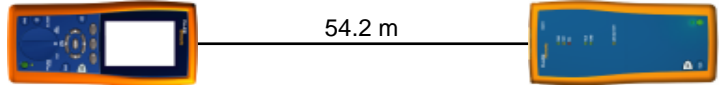
Software Version: 2.5200

Calibration Date: 07/18/2011

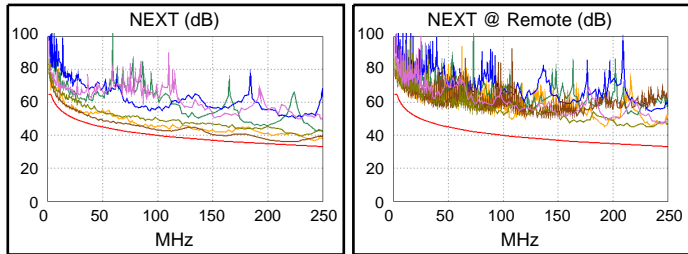
Adapter: DTX-CHA002

S/N: MC40L9K

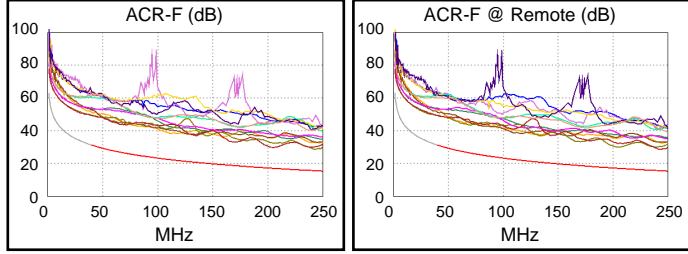
Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



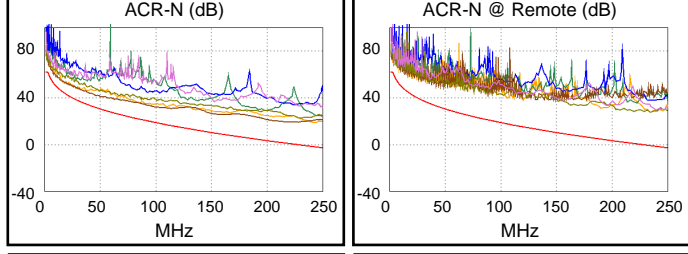
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	1.8	7.3	1.8	11.0
Freq. (MHz)	213.5	3.8	213.5	232.5
Limit (dB)	34.3	63.5	34.3	33.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.8	7.4	2.9	11.5
Freq. (MHz)	214.5	3.8	232.5	235.0
Limit (dB)	31.3	61.0	30.7	30.6



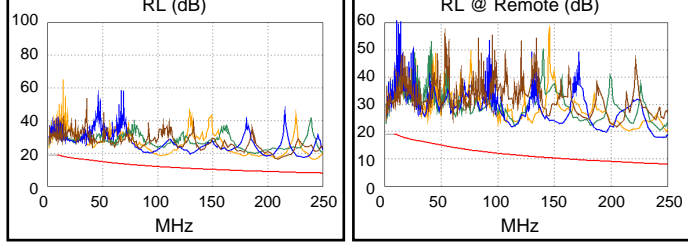
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	12.7	12.9	13.0	12.9
Freq. (MHz)	203.0	203.0	242.0	242.0
Limit (dB)	17.1	17.1	15.6	15.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	14.5	14.7	15.0	14.7
Freq. (MHz)	203.0	241.5	242.0	241.5
Limit (dB)	14.1	12.6	12.6	12.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	7.5	9.2	20.7	28.6
Freq. (MHz)	2.9	3.8	243.0	235.5
Limit (dB)	61.6	59.6	-2.0	-1.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.6	9.4	20.2	28.4
Freq. (MHz)	3.6	3.8	238.5	235.0
Limit (dB)	57.4	57.1	-4.4	-4.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.7	8.5	7.4	9.4
Freq. (MHz)	102.5	38.3	208.5	240.5
Limit (dB)	11.9	16.1	8.8	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: D19

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:22:01 PM

Operator: CMCSHTP

Headroom 2.3 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

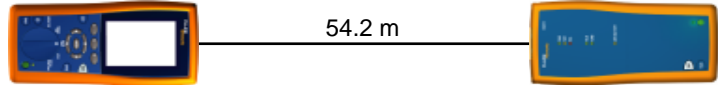
Software Version: 2.5200

Calibration Date: 07/18/2011

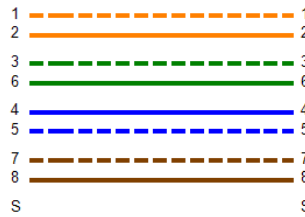
Adapter: DTX-CHA002

S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

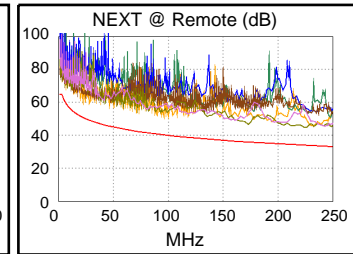
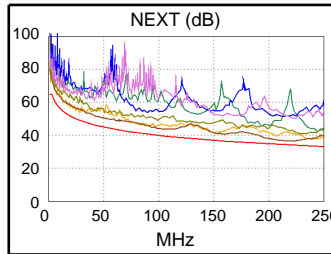


Wire Map (T568B)
PASS

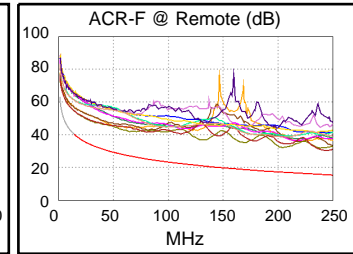
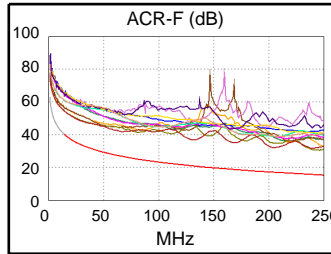


Worst Case Margin Worst Case Value

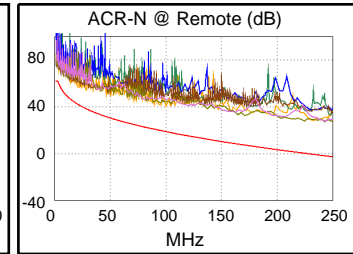
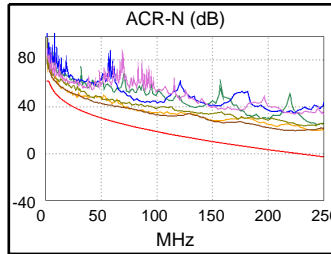
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.3	8.9	2.3	10.5
Freq. (MHz)	210.5	3.6	215.0	224.0
Limit (dB)	34.4	63.7	34.2	33.9
Worst Pair	3,6	3,6	3,6	7,8
PS NEXT (dB)	3.1	8.7	3.2	11.5
Freq. (MHz)	206.5	3.8	234.0	242.5
Limit (dB)	31.6	61.0	30.7	30.4



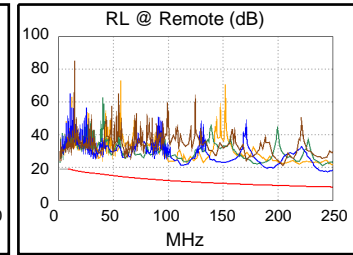
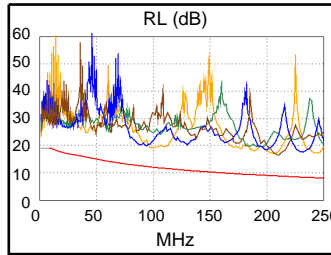
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.8	12.9	14.8	14.7
Freq. (MHz)	2.8	2.8	242.5	242.5
Limit (dB)	54.5	54.5	15.6	15.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	13.7	13.7	16.6	17.1
Freq. (MHz)	2.9	2.8	242.5	242.5
Limit (dB)	51.1	51.5	12.6	12.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	8.4	10.8	18.9	29.1
Freq. (MHz)	6.9	3.6	221.5	242.5
Limit (dB)	54.0	59.9	0.6	-2.0
Worst Pair	3,6	3,6	3,6	7,8
PS ACR-N (dB)	7.9	10.7	20.8	29.3
Freq. (MHz)	5.6	3.8	239.5	242.5
Limit (dB)	53.4	57.1	-4.6	-4.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.7	9.0	7.5	9.2
Freq. (MHz)	99.5	38.0	209.0	244.5
Limit (dB)	12.0	16.1	8.8	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: D20

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:21:22 PM

Operator: CMCSHTP

Headroom 2.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

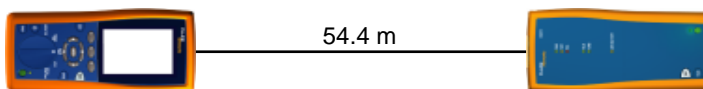
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

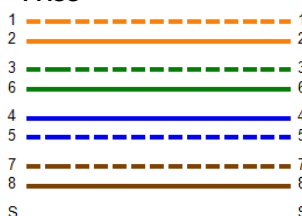
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.4
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

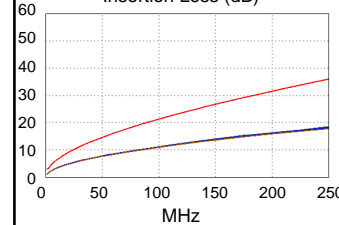


Wire Map (T568B)

PASS

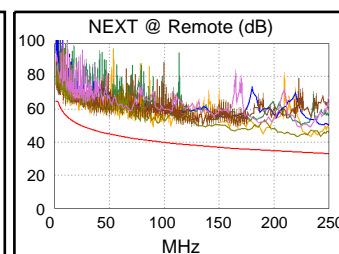
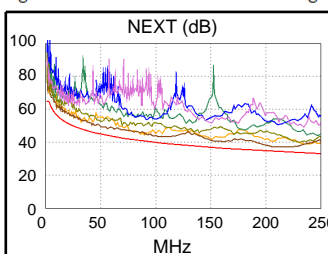


Insertion Loss (dB)

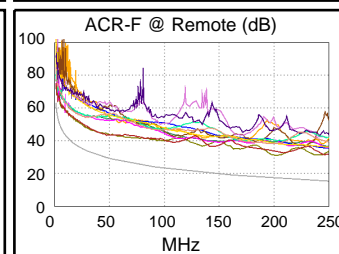
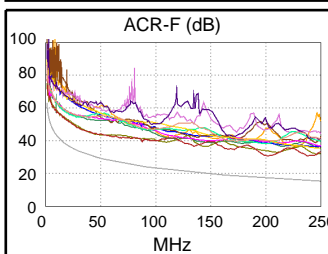


Worst Case Margin Worst Case Value

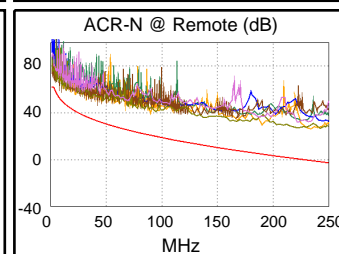
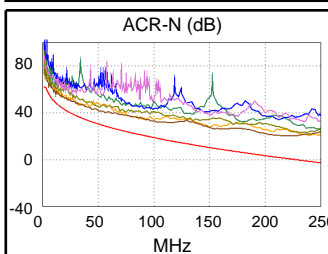
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.6	5.4	2.6	9.5
Freq. (MHz)	206.0	3.9	214.0	221.5
Limit (dB)	34.6	63.3	34.3	34.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.5	6.1	3.6	10.6
Freq. (MHz)	206.5	3.9	229.5	232.5
Limit (dB)	31.6	60.8	30.8	30.7



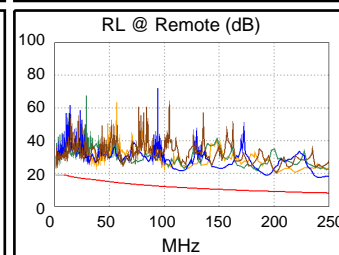
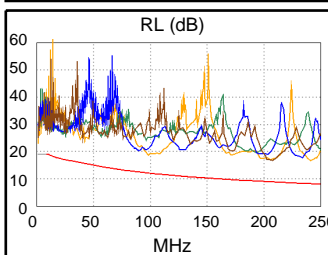
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
ACR-F (dB)	11.4	11.4	13.6	13.8
Freq. (MHz)	2.9	2.9	202.0	202.0
Limit (dB)	54.1	54.1	17.1	17.1
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	13.6	13.0	17.5	15.4
Freq. (MHz)	2.8	2.8	246.5	202.0
Limit (dB)	51.5	51.5	12.4	14.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	6.7	7.4	19.7	26.7
Freq. (MHz)	5.5	3.9	223.0	233.0
Limit (dB)	56.1	59.3	0.4	-0.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.3	8.1	20.3	28.3
Freq. (MHz)	3.6	3.9	231.0	241.5
Limit (dB)	57.4	56.8	-3.5	-4.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.4	8.6	8.3	9.1
Freq. (MHz)	98.5	38.0	239.5	242.0
Limit (dB)	12.1	16.1	8.2	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: D21

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:22:29 PM

Operator: CMCSHTP

Headroom 2.1 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

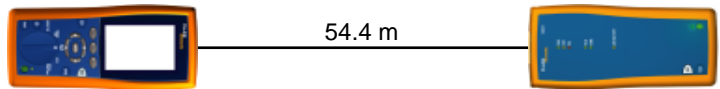
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

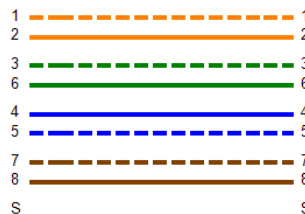
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	54.4
Prop. Delay (ns), Limit 555	[Pair 4,5]	282
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.4
Insertion Loss Margin (dB)	[Pair 3,6]	17.6
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

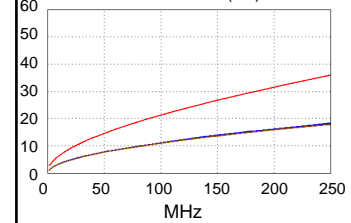


Wire Map (T568B)

PASS

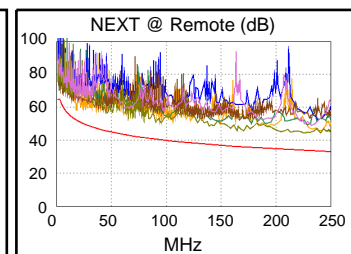
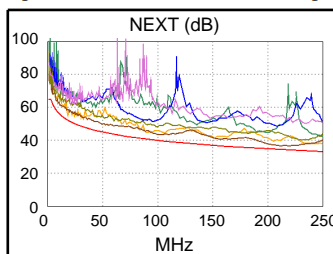


Insertion Loss (dB)

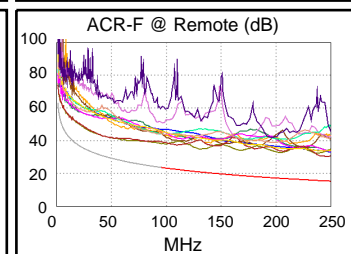
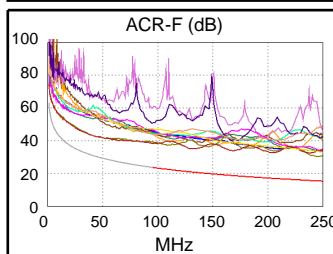


Worst Case Margin Worst Case Value

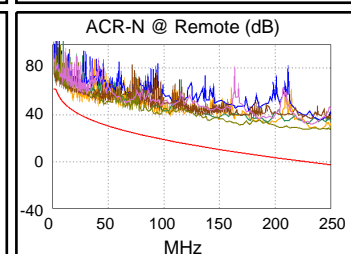
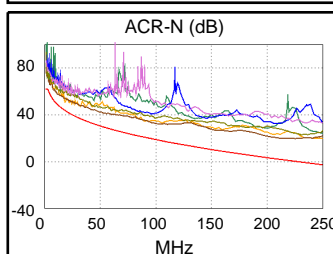
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.1	5.4	2.2	10.2
Freq. (MHz)	208.5	18.3	212.0	226.0
Limit (dB)	34.5	52.3	34.3	33.9
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.0	7.3	3.1	11.4
Freq. (MHz)	212.0	18.1	232.0	241.0
Limit (dB)	31.4	49.7	30.7	30.4



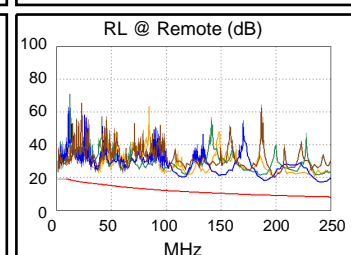
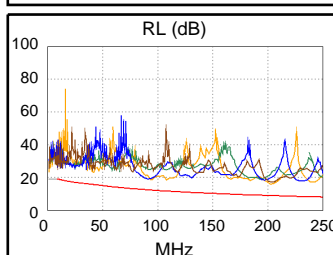
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	11.3	11.2	14.9	14.8
Freq. (MHz)	3.0	3.0	244.5	244.5
Limit (dB)	53.7	53.7	15.5	15.5
Worst Pair	4,5	4,5	4,5	1,2
PS ACR-F (dB)	13.8	13.7	16.2	17.8
Freq. (MHz)	3.1	3.0	246.0	248.0
Limit (dB)	50.4	50.7	12.4	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	7.0	9.4	19.5	28.7
Freq. (MHz)	18.4	3.4	225.0	240.5
Limit (dB)	43.6	60.5	0.1	-1.7
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-N (dB)	7.9	10.1	20.3	28.5
Freq. (MHz)	3.4	2.5	236.5	241.0
Limit (dB)	58.0	58.8	-4.2	-4.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	1,2	4,5
RL (dB)	6.1	6.5	6.8	8.9
Freq. (MHz)	91.8	36.3	203.0	240.0
Limit (dB)	12.4	16.2	8.9	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: D22

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:22:54 PM

Operator: CMCSHTP

Headroom 2.9 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

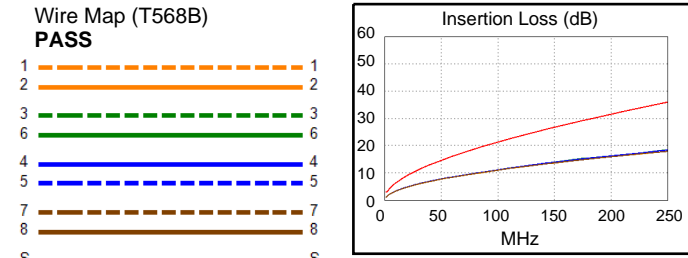
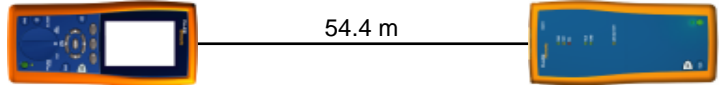
Software Version: 2.5200

Calibration Date: 07/18/2011

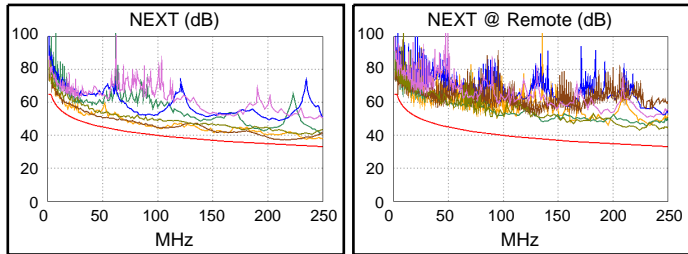
Adapter: DTX-CHA002

S/N: MC40L9K

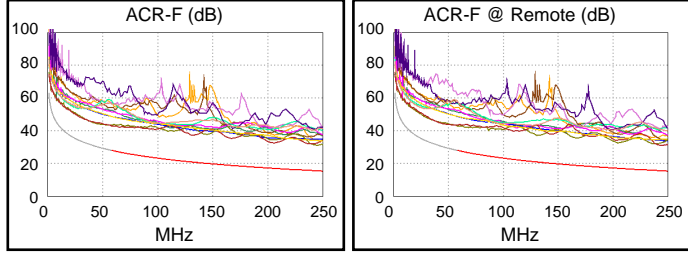
Length (m), Limit 100.0	[Pair 7,8]	54.4
Prop. Delay (ns), Limit 555	[Pair 4,5]	283
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.5
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



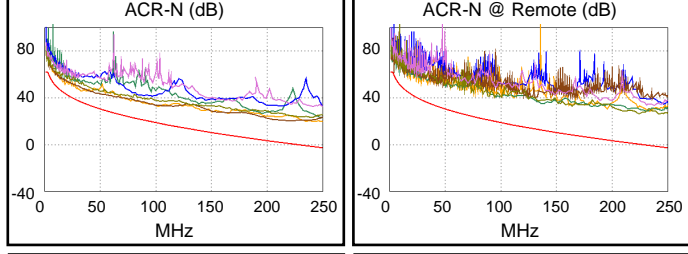
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.9	4.6	2.9	8.8
Freq. (MHz)	214.0	3.8	214.0	223.5
Limit (dB)	34.3	63.5	34.3	34.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.3	5.3	3.6	10.8
Freq. (MHz)	206.0	3.8	235.0	223.5
Limit (dB)	31.6	61.0	30.6	31.0



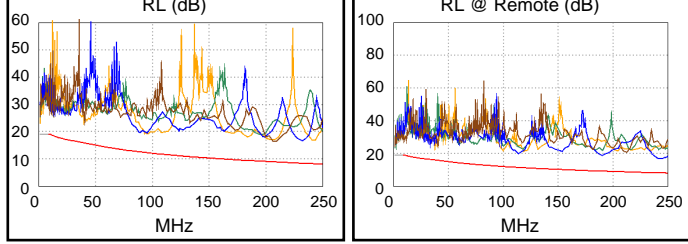
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	11.7	11.7	15.6	15.4
Freq. (MHz)	2.9	2.9	243.5	242.0
Limit (dB)	54.1	54.1	15.5	15.6
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-F (dB)	13.5	14.6	17.1	17.5
Freq. (MHz)	2.9	6.6	242.0	243.5
Limit (dB)	51.1	43.8	12.6	12.5



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)	7.6	6.5	21.3	25.6
Freq. (MHz)	3.6	3.8	240.5	223.5
Limit (dB)	59.9	59.6	-1.7	0.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.3	7.2	20.8	29.3
Freq. (MHz)	3.6	3.8	240.5	242.0
Limit (dB)	57.4	57.1	-4.7	-4.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	7,8	4,5
RL (dB)	6.8	8.3	7.3	8.5
Freq. (MHz)	95.5	40.0	207.5	241.5
Limit (dB)	12.2	16.0	8.8	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: D23

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:23:19 PM

Operator: CMCSHTP

Headroom 3.1 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

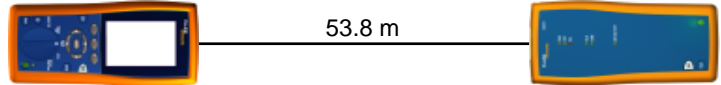
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

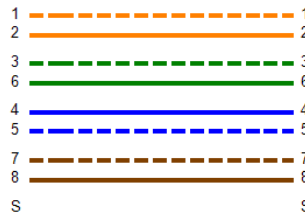
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	279
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

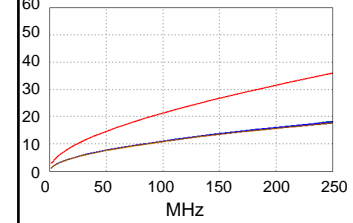


Wire Map (T568B)

PASS

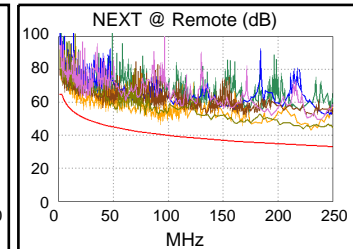
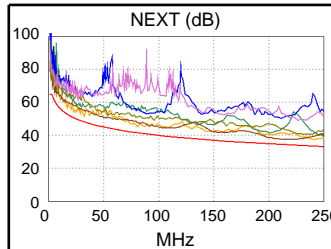


Insertion Loss (dB)

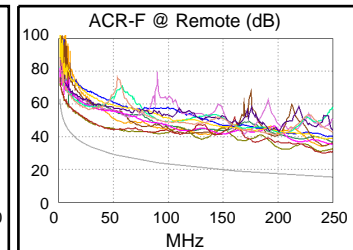
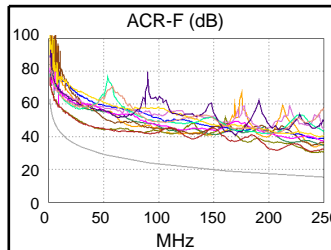


Worst Case Margin Worst Case Value

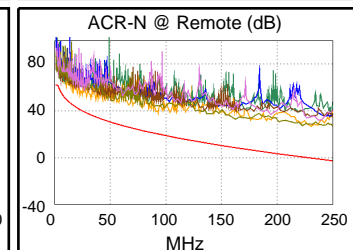
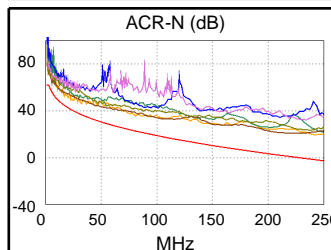
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	3.1	6.6	3.8	9.6
Freq. (MHz)	211.5	16.4	241.0	230.0
Limit (dB)	34.4	53.1	33.4	33.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.5	7.7	3.7	10.3
Freq. (MHz)	228.0	3.9	239.0	230.0
Limit (dB)	30.9	60.8	30.5	30.8



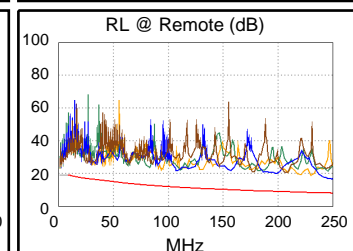
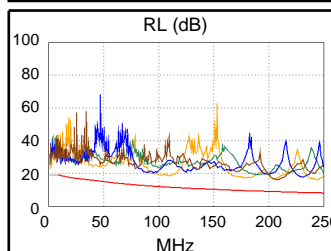
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.0	12.0	14.5	14.4
Freq. (MHz)	2.6	2.6	239.5	239.5
Limit (dB)	54.9	54.9	15.7	15.7
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	15.1	14.7	16.4	16.2
Freq. (MHz)	3.6	3.6	240.0	239.5
Limit (dB)	49.1	49.1	12.7	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	7.4	10.3	21.2	26.6
Freq. (MHz)	16.6	3.6	242.5	230.0
Limit (dB)	44.8	59.9	-2.0	-0.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	8.0	9.7	21.0	27.3
Freq. (MHz)	16.6	3.9	241.0	230.0
Limit (dB)	42.1	56.8	-4.7	-3.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	1,2	4,5
RL (dB)	6.7	7.8	7.9	8.7
Freq. (MHz)	109.5	31.8	243.5	248.5
Limit (dB)	11.6	16.5	8.1	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: D24

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:23:47 PM

Operator: CMCSHTP

Headroom 2.7 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

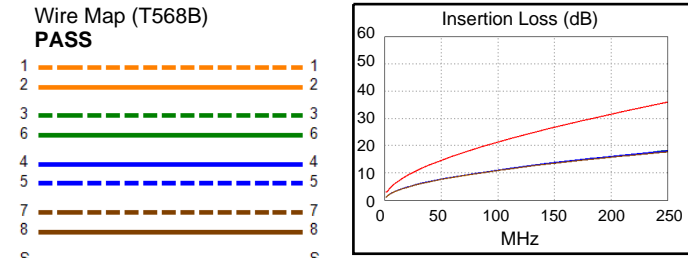
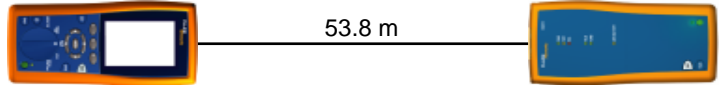
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	280
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	17.7
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



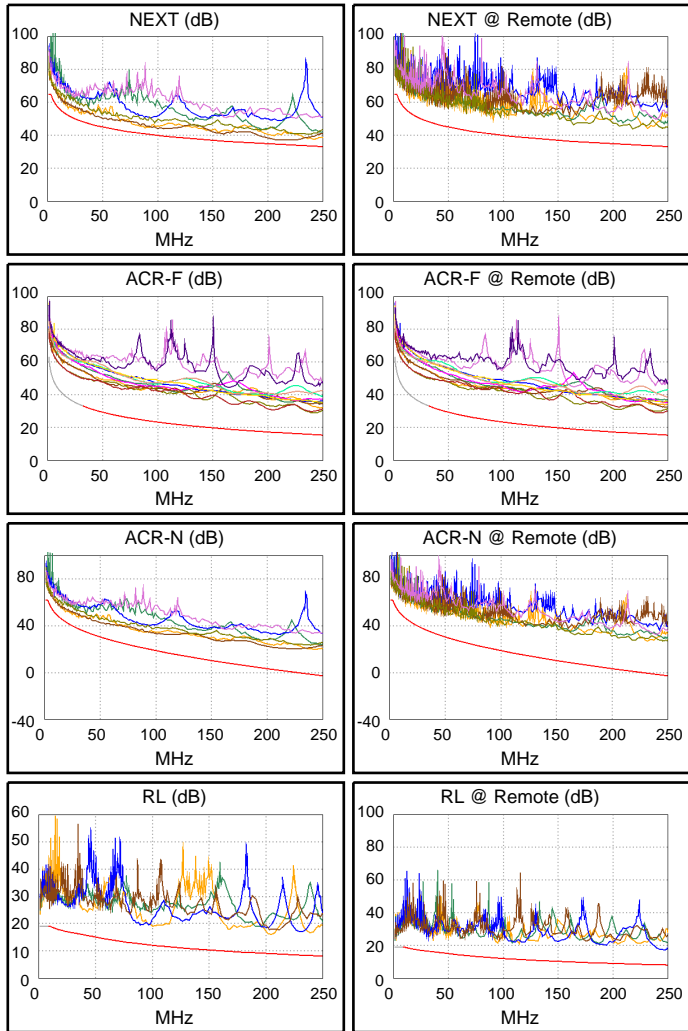
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.7	8.2	2.7	9.4
Freq. (MHz)	206.5	14.4	210.5	220.0
Limit (dB)	34.5	54.0	34.4	34.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	7.3	3.6	11.5
Freq. (MHz)	90.8	3.8	235.0	231.5
Limit (dB)	37.8	61.0	30.6	30.7

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)	13.3	13.1	13.3	13.1
Freq. (MHz)	239.0	241.0	240.5	241.0
Limit (dB)	15.7	15.6	15.6	15.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	15.3	15.2	15.3	15.2
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	1,2-3,6	3,6-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	8.5	10.6	21.6	27.6
Freq. (MHz)	18.6	3.5	242.5	231.5
Limit (dB)	43.4	60.2	-2.0	-0.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.4	9.3	21.3	28.5
Freq. (MHz)	4.0	3.8	242.5	231.5
Limit (dB)	56.5	57.1	-4.9	-3.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	1,2	4,5
RL (dB)	6.9	8.9	6.9	9.1
Freq. (MHz)	99.5	31.8	205.0	246.5
Limit (dB)	12.0	16.5	8.9	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: D25

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:24:19 PM

Operator: CMCSHTP

Headroom 1.9 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

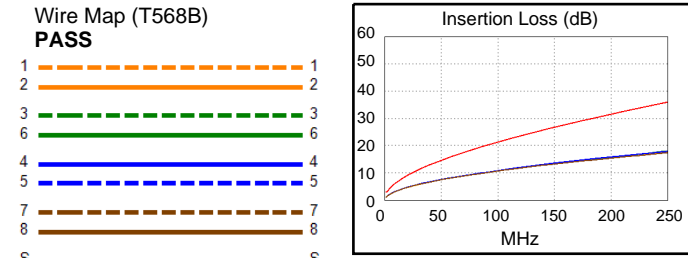
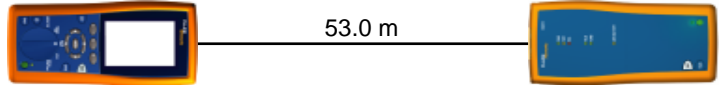
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	275
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 1,2]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



Worst Case Margin Worst Case Value

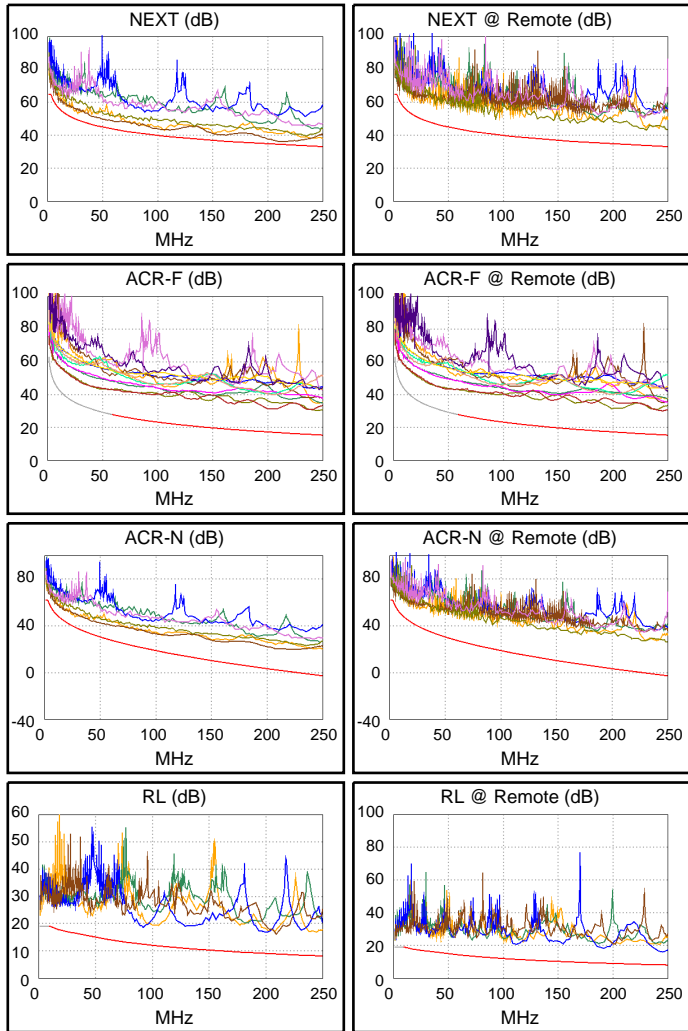
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	1.9	6.3	2.0	9.4
Freq. (MHz)	208.5	5.1	217.0	230.5
Limit (dB)	34.5	61.3	34.2	33.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.9	7.5	2.9	9.7
Freq. (MHz)	207.0	3.6	231.0	230.0
Limit (dB)	31.6	61.2	30.8	30.8

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)	11.8	11.9	14.8	14.6
Freq. (MHz)	3.3	3.3	245.0	245.5
Limit (dB)	53.0	53.0	15.5	15.5
Worst Pair	4,5	4,5	4,5	3,6
PS ACR-F (dB)	13.7	14.4	16.7	17.1
Freq. (MHz)	4.1	3.8	245.0	245.0
Limit (dB)	47.9	48.8	12.5	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
ACR-N (dB)	7.0	8.5	20.0	29.0
Freq. (MHz)	3.3	5.1	227.5	249.5
Limit (dB)	60.9	56.8	-0.2	-2.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.5	9.4	20.6	26.9
Freq. (MHz)	3.8	3.6	235.5	230.0
Limit (dB)	57.1	57.4	-4.1	-3.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	7,8	4,5
RL (dB)	5.9	7.9	7.0	7.9
Freq. (MHz)	92.3	245.0	208.0	245.0
Limit (dB)	12.4	8.1	8.8	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: D26

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:24:44 PM

Operator: CMCSHTP

Headroom 2.4 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

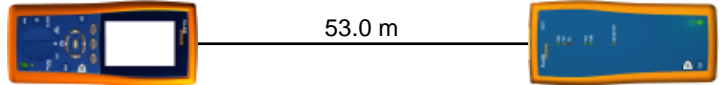
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

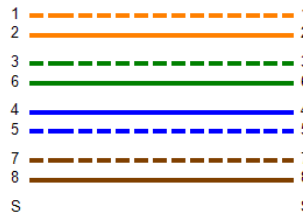
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	275
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.1
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

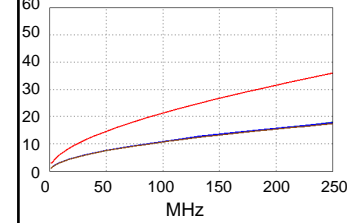


Wire Map (T568B)

PASS

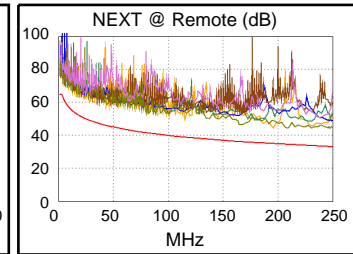
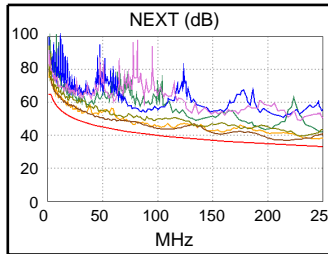


Insertion Loss (dB)

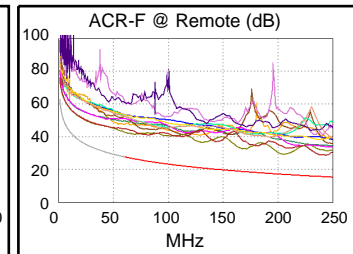
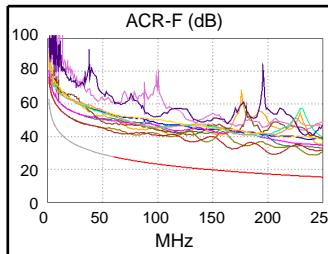


Worst Case Margin Worst Case Value

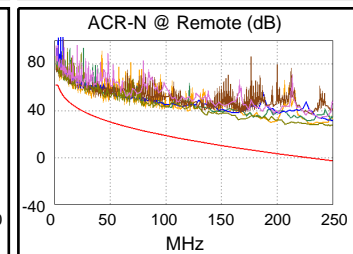
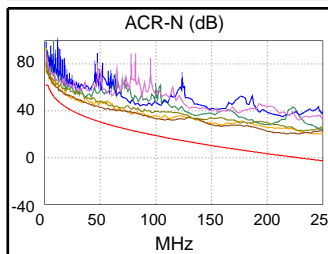
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.4	8.1	2.4	9.6
Freq. (MHz)	216.5	4.1	216.5	207.0
Limit (dB)	34.2	62.8	34.2	34.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.0	6.9	3.0	11.1
Freq. (MHz)	232.5	3.9	232.5	231.5
Limit (dB)	30.7	60.8	30.7	30.7



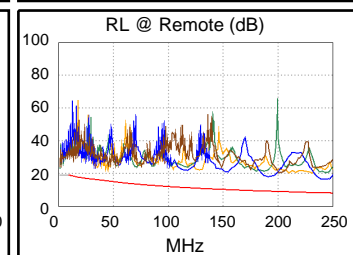
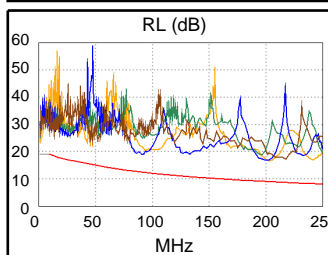
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	12.0	12.1	13.2	13.2
Freq. (MHz)	204.0	204.0	243.0	243.0
Limit (dB)	17.1	17.1	15.5	15.5
Worst Pair	3,6	4,5	4,5	3,6
PS ACR-F (dB)	14.9	14.3	14.9	15.8
Freq. (MHz)	204.0	204.0	244.5	243.0
Limit (dB)	14.1	14.1	12.5	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-7,8
ACR-N (dB)	8.4	10.2	22.4	29.6
Freq. (MHz)	9.3	4.1	246.5	247.5
Limit (dB)	51.0	58.7	-2.4	-2.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.8	9.0	21.2	28.4
Freq. (MHz)	3.8	3.9	239.5	231.5
Limit (dB)	57.1	56.8	-4.6	-3.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	1,2	4,5
RL (dB)	6.3	6.5	7.4	8.2
Freq. (MHz)	90.5	43.0	204.0	241.0
Limit (dB)	12.4	15.7	8.9	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: D27

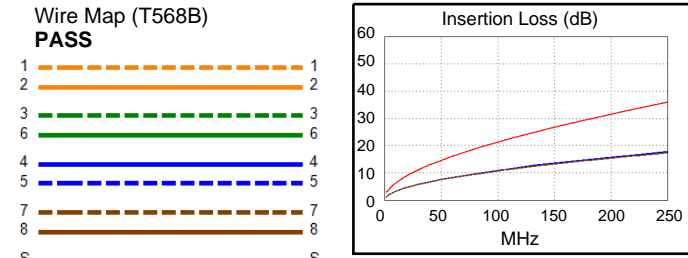
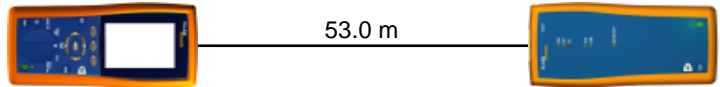
Test Limit: TIA Cat 6 Channel
Limits Version: 1.7000
Date / Time: 09/21/2023 12:25:14 PM
Operator: CMCSHTP
Headroom 2.4 dB (NEXT 3,6-4,5)
Cable Type: Cat 5e UTP
NVP: 67.0%

Main: DTX CableAnalyzer
S/N: 1746406
Software Version: 2.5200
Calibration Date: 07/18/2011
Adapter: DTX-CHA002
S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer
S/N: 1746407
Software Version: 2.5200
Calibration Date: 07/18/2011
Adapter: DTX-CHA002
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	275
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9



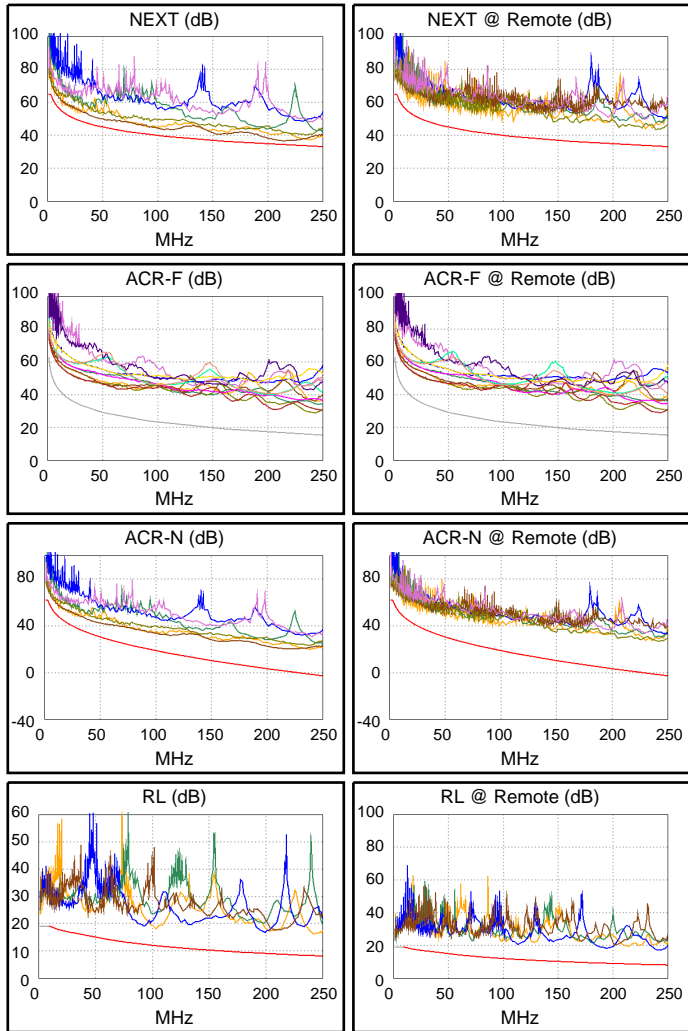
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.4	6.1	2.4	10.1
Freq. (MHz)	213.0	12.6	215.0	239.0
Limit (dB)	34.3	54.9	34.2	33.5
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.8	7.3	2.8	10.9
Freq. (MHz)	228.5	12.5	228.5	237.5
Limit (dB)	30.8	52.4	30.8	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)	13.4	13.4	13.4	13.4
Freq. (MHz)	242.5	242.5	243.0	243.0
Limit (dB)	15.6	15.6	15.5	15.5
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	15.1	15.1	15.3	15.6
Freq. (MHz)	3.9	3.3	243.0	243.0
Limit (dB)	48.5	50.0	12.5	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-7,8
ACR-N (dB)	7.1	9.6	21.4	28.4
Freq. (MHz)	12.8	12.6	239.5	241.5
Limit (dB)	47.7	47.8	-1.6	-1.8
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	6.7	10.0	20.9	28.5
Freq. (MHz)	3.8	2.3	239.5	237.5
Limit (dB)	57.1	58.9	-4.6	-4.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.2	8.6	8.0	8.7
Freq. (MHz)	103.0	41.0	243.5	241.0
Limit (dB)	11.9	15.9	8.1	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: D28

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:25:44 PM

Operator: CMCSHTP

Headroom 1.9 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

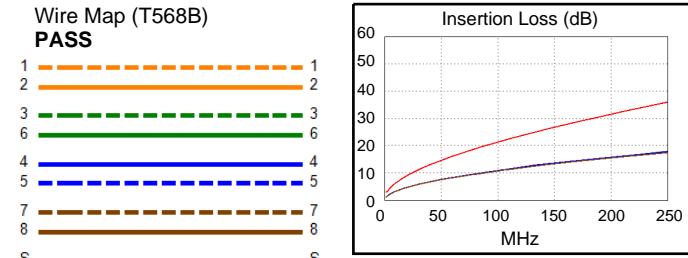
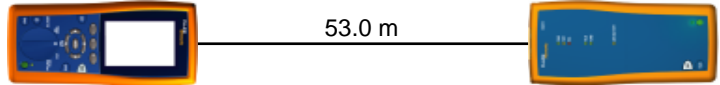
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

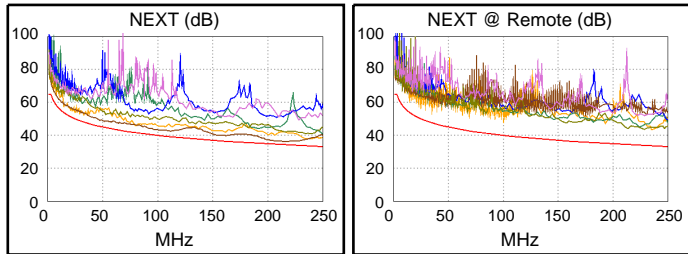
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	276
Delay Skew (ns), Limit 50	[Pair 4,5]	12
Resistance (ohms)	[Pair 1,2]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

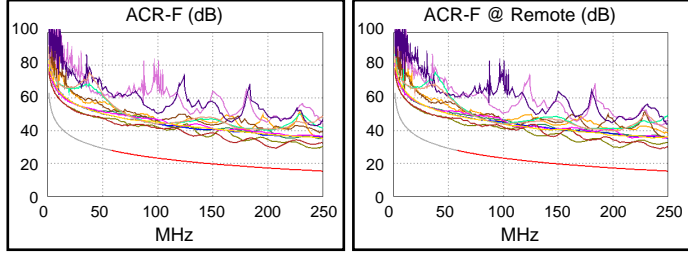


Worst Case Margin Worst Case Value

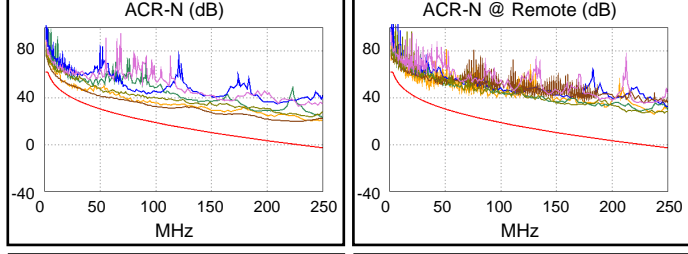
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	1,2-3,6
NEXT (dB)	1.9	6.5	2.1	9.5
Freq. (MHz)	206.0	35.5	216.0	235.5
Limit (dB)	34.6	47.5	34.2	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	2.8	8.1	3.0	10.4
Freq. (MHz)	206.0	3.6	235.0	237.5
Limit (dB)	31.6	61.2	30.6	30.5



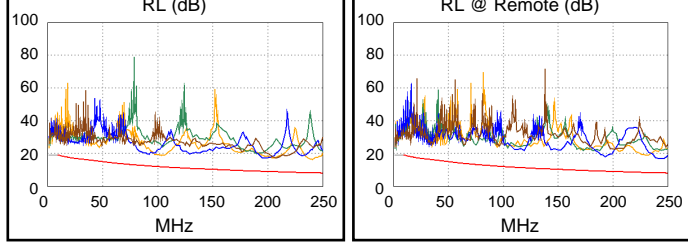
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	12.5	12.7	13.6	13.5
Freq. (MHz)	205.5	205.0	242.5	243.0
Limit (dB)	17.0	17.0	15.6	15.5
Worst Pair	3,6	4,5	4,5	4,5
PS ACR-F (dB)	15.1	14.7	15.7	14.7
Freq. (MHz)	207.0	205.5	243.0	207.0
Limit (dB)	13.9	14.0	12.5	13.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	1,2-3,6
ACR-N (dB)	7.6	10.3	19.9	27.0
Freq. (MHz)	14.8	3.5	228.0	235.5
Limit (dB)	46.1	60.2	-0.2	-1.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.2	10.0	20.4	27.8
Freq. (MHz)	3.8	3.6	235.0	237.5
Limit (dB)	57.1	57.4	-4.0	-4.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	4,5
RL (dB)	6.9	8.3	8.1	8.5
Freq. (MHz)	103.0	35.0	239.5	242.5
Limit (dB)	11.9	16.3	8.2	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: D29

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:26:10 PM

Operator: CMCSHTP

Headroom 2.5 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

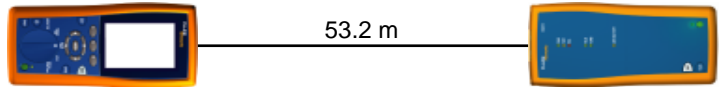
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

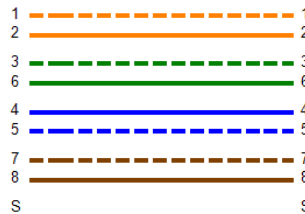
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	276
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.3
Insertion Loss Margin (dB)	[Pair 3,6]	17.9
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

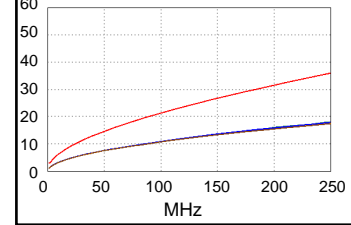


Wire Map (T568B)

PASS

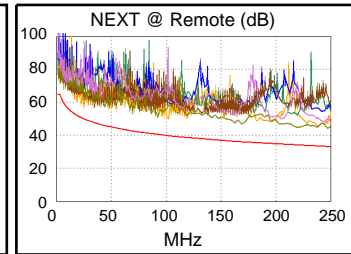
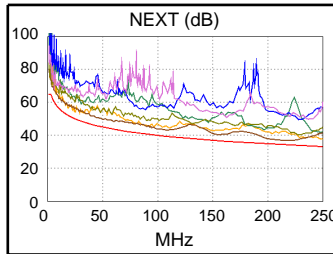


Insertion Loss (dB)

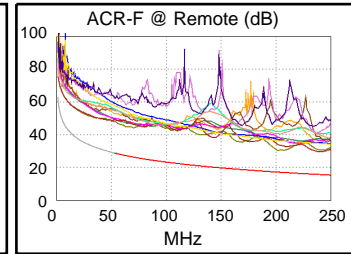
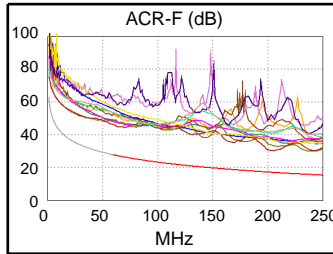


Worst Case Margin Worst Case Value

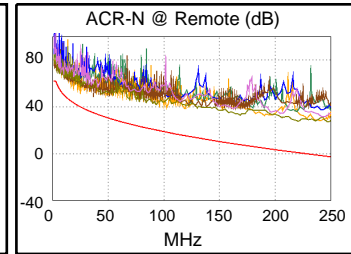
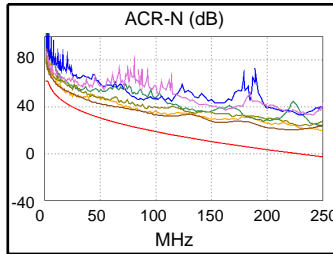
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-7,8
NEXT (dB)	2.5	7.4	2.5	9.8
Freq. (MHz)	212.0	24.9	212.0	221.0
Limit (dB)	34.3	50.1	34.3	34.0
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	3.1	8.2	3.1	11.2
Freq. (MHz)	228.0	4.0	228.0	236.5
Limit (dB)	30.9	60.5	30.9	30.6



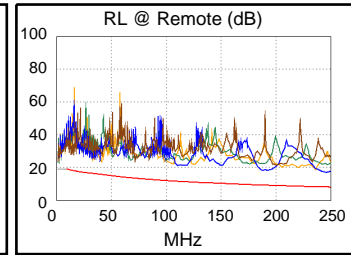
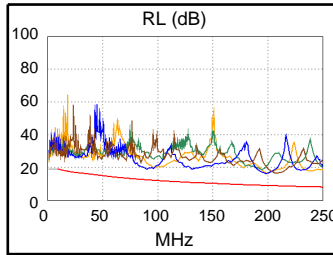
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	13.0	13.2	13.9	13.7
Freq. (MHz)	201.5	201.5	236.0	236.0
Limit (dB)	17.2	17.2	15.8	15.8
Worst Pair	4,5	4,5	4,5	3,6
PS ACR-F (dB)	15.8	15.1	15.9	16.0
Freq. (MHz)	236.0	201.5	242.0	236.0
Limit (dB)	12.8	14.2	12.6	12.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	8.5	10.2	22.5	29.6
Freq. (MHz)	18.5	3.4	248.5	247.0
Limit (dB)	43.5	60.5	-2.7	-2.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.7	10.2	20.3	28.5
Freq. (MHz)	4.0	4.0	228.0	236.5
Limit (dB)	56.5	56.5	-3.2	-4.2



PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	4,5
RL (dB)	6.4	7.5	7.1	8.8
Freq. (MHz)	89.8	41.0	198.5	245.5
Limit (dB)	12.5	15.9	9.0	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: D30

Test Limit: TIA Cat 6 Channel

Limits Version: 1.7000

Date / Time: 09/21/2023 12:26:37 PM

Operator: CMCSHTP

Headroom 2.7 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e UTP

NVP: 67.0%

Main: DTX CableAnalyzer

S/N: 1746406

Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

S/N: MC437NX

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 1746407

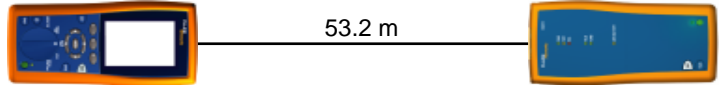
Software Version: 2.5200

Calibration Date: 07/18/2011

Adapter: DTX-CHA002

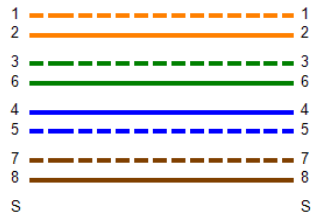
S/N: MC40L9K

Length (m), Limit 100.0	[Pair 7,8]	53.2
Prop. Delay (ns), Limit 555	[Pair 4,5]	276
Delay Skew (ns), Limit 50	[Pair 4,5]	11
Resistance (ohms)	[Pair 3,6]	9.2
Insertion Loss Margin (dB)	[Pair 3,6]	17.9
Frequency (MHz)	[Pair 3,6]	250.0
Limit (dB)	[Pair 3,6]	35.9

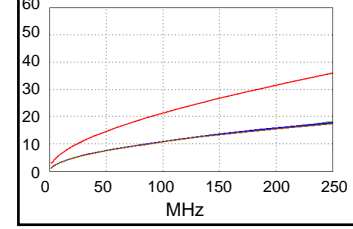


Wire Map (T568B)

PASS

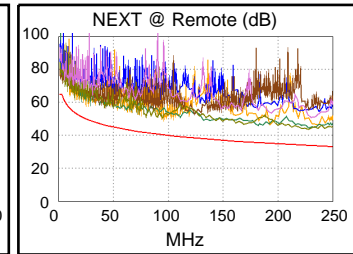
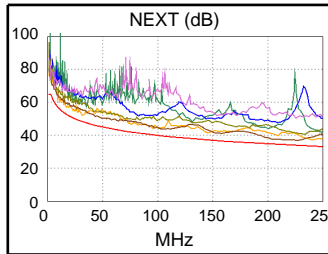


Insertion Loss (dB)

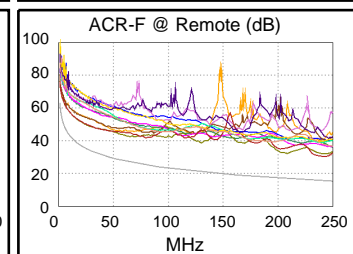
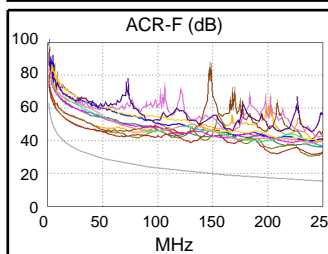


Worst Case Margin Worst Case Value

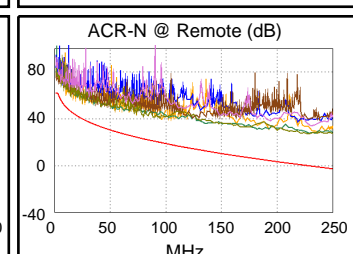
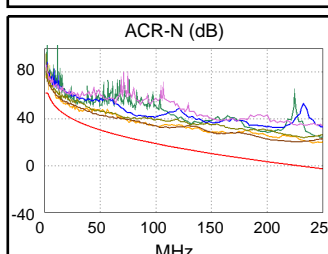
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-7,8
NEXT (dB)	2.7	8.9	2.7	9.7
Freq. (MHz)	217.0	3.6	217.0	225.5
Limit (dB)	34.2	63.7	34.2	33.9
Worst Pair	3,6	3,6	3,6	1,2
PS NEXT (dB)	3.2	8.4	3.2	11.5
Freq. (MHz)	232.0	14.5	232.0	233.0
Limit (dB)	30.7	51.3	30.7	30.7



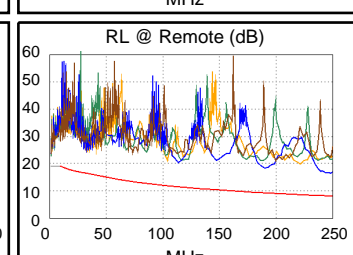
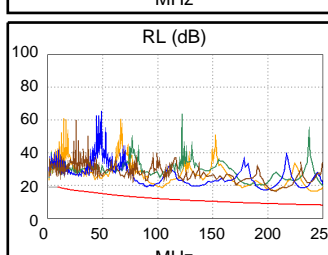
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	13.1	13.0	15.0	14.7
Freq. (MHz)	2.9	2.9	241.5	241.5
Limit (dB)	54.1	54.1	15.6	15.6
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	14.3	13.6	16.5	17.5
Freq. (MHz)	2.9	2.9	241.5	241.5
Limit (dB)	51.1	51.1	12.6	12.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	3,6-7,8
ACR-N (dB)	7.4	10.8	21.1	29.0
Freq. (MHz)	10.9	3.6	241.0	243.0
Limit (dB)	49.4	59.9	-1.8	-2.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	7.6	10.7	21.1	29.7
Freq. (MHz)	10.5	3.8	241.0	243.0
Limit (dB)	47.2	57.1	-4.7	-5.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	1,2	4,5
RL (dB)	6.6	8.3	8.1	8.3
Freq. (MHz)	90.0	32.3	240.5	248.0
Limit (dB)	12.5	16.5	8.2	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