



**Cable ID: 70189-1**

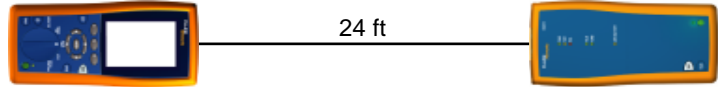
Date / Time: 10/08/2018 10:04:51 AM  
**Headroom 11.5 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

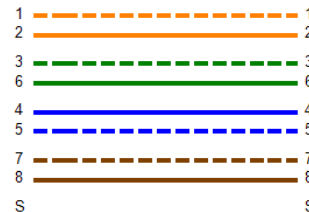
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	24
Prop. Delay (ns), Limit 555	[Pair 12]	35
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	1.3
Insertion Loss Margin (dB)	[Pair 12]	32.6
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

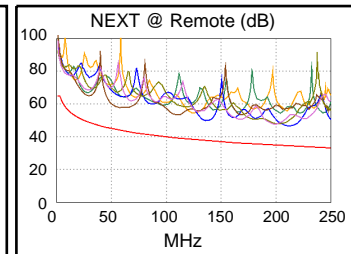
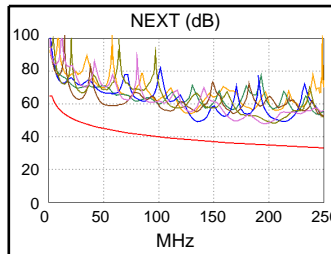


Wire Map (T568B)  
**PASS**

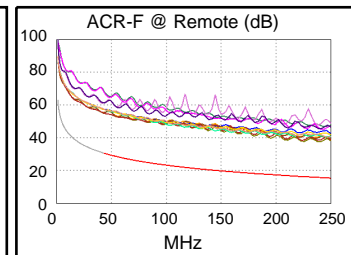
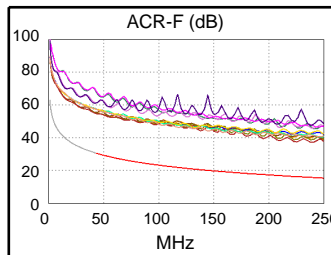


Worst Case Margin Worst Case Value

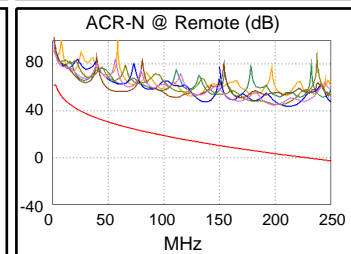
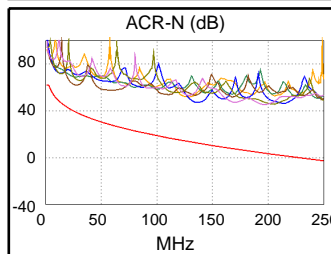
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	45-78	12-78
<b>NEXT (dB)</b>	11.5	12.2	12.9	12.2
Freq. (MHz)	135.0	135.5	196.0	210.5
Limit (dB)	37.7	37.7	34.9	34.4
Worst Pair	78	78	78	78
<b>PS NEXT (dB)</b>	13.0	11.8	13.0	11.8
Freq. (MHz)	202.0	202.5	204.0	202.5
Limit (dB)	31.8	31.8	31.7	31.8



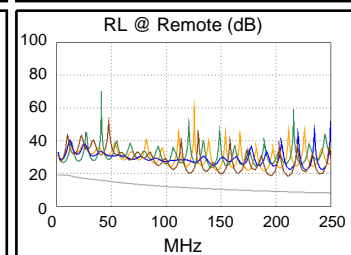
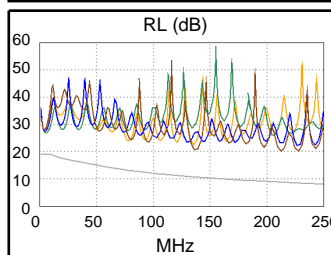
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	21.1	21.4	21.4	21.7
Freq. (MHz)	224.0	224.0	239.0	239.0
Limit (dB)	16.3	16.3	15.7	15.7
Worst Pair	36	45	36	45
<b>PS ACR-F (dB)</b>	22.2	22.7	22.7	22.9
Freq. (MHz)	223.5	223.5	250.0	239.0
Limit (dB)	13.3	13.3	12.3	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	45-78	12-78
<b>ACR-N (dB)</b>	22.7	24.0	41.3	42.0
Freq. (MHz)	24.4	3.6	196.0	212.5
Limit (dB)	40.2	59.9	3.8	1.7
Worst Pair	78	78	78	78
<b>PS ACR-N (dB)</b>	23.2	23.2	42.2	40.9
Freq. (MHz)	9.0	3.9	204.0	202.5
Limit (dB)	48.7	56.8	-0.2	0.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	12.9	11.3	12.9	11.3
Freq. (MHz)	242.5	241.0	242.5	241.0
Limit (dB)	8.2	8.2	8.2	8.2



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T    ATM-25            ATM-51  
 ATM-155      100VG-AnyLan   TR-4  
 TR-16 Active    TR-16 Passive



**Cable ID: 70189-2**

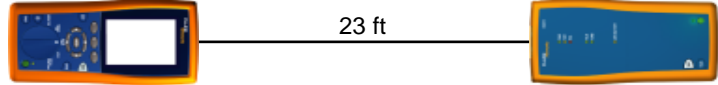
Date / Time: 10/08/2018 10:05:20 AM  
**Headroom 12.5 dB (NEXT 12-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

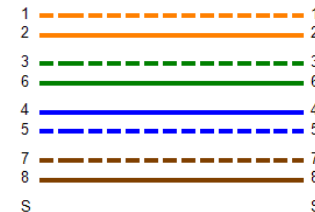
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	23
Prop. Delay (ns), Limit 555	[Pair 12]	35
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.3
Insertion Loss Margin (dB)	[Pair 12]	32.6
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

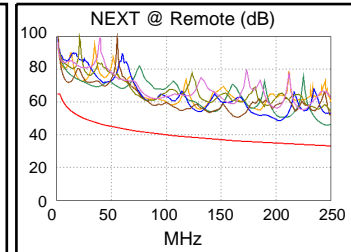
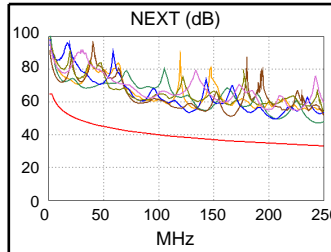


Wire Map (T568B)  
**PASS**

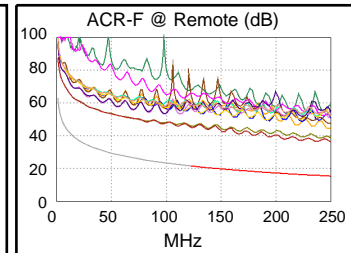
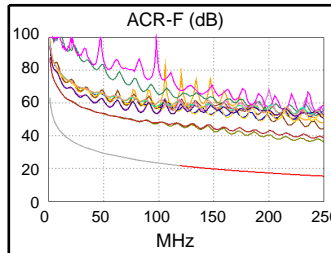


Worst Case Margin Worst Case Value

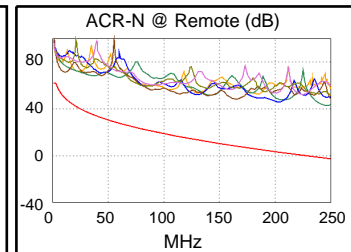
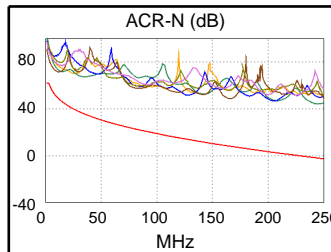
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
<b>NEXT (dB)</b>	13.8	12.5	13.8	12.5
Freq. (MHz)	244.0	245.5	244.0	245.5
Limit (dB)	33.3	33.3	33.3	33.3
Worst Pair	12	12	12	12
<b>PS NEXT (dB)</b>	14.7	14.8	15.3	14.8
Freq. (MHz)	205.5	202.5	244.5	245.5
Limit (dB)	31.6	31.8	30.3	30.3



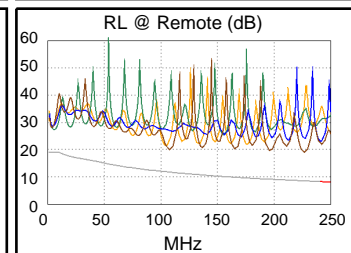
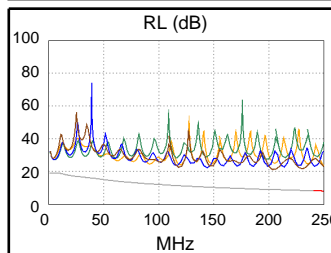
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	20.8	20.7	20.9	20.8
Freq. (MHz)	236.5	236.5	250.0	250.0
Limit (dB)	15.8	15.8	15.3	15.3
Worst Pair	45	36	45	36
<b>PS ACR-F (dB)</b>	23.6	23.2	23.7	23.2
Freq. (MHz)	237.0	250.0	250.0	250.0
Limit (dB)	12.8	12.3	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
<b>ACR-N (dB)</b>	20.3	20.1	46.2	45.2
Freq. (MHz)	3.8	6.8	244.0	246.0
Limit (dB)	59.6	54.2	-2.1	-2.4
Worst Pair	45	36	12	12
<b>PS ACR-N (dB)</b>	21.2	21.1	47.6	47.1
Freq. (MHz)	7.8	5.3	244.5	246.0
Limit (dB)	50.3	54.0	-5.2	-5.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	13.2	10.5	13.2	10.5
Freq. (MHz)	230.5	226.0	230.5	226.0
Limit (dB)	8.4	8.5	8.4	8.5



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T    ATM-25            ATM-51  
 ATM-155      100VG-AnyLan    TR-4  
 TR-16 Active    TR-16 Passive



**Cable ID: 70189-3**

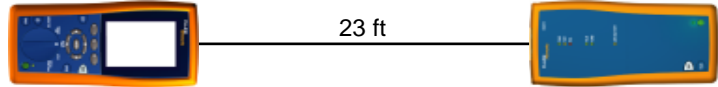
Date / Time: 10/08/2018 10:09:12 AM  
**Headroom 12.2 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

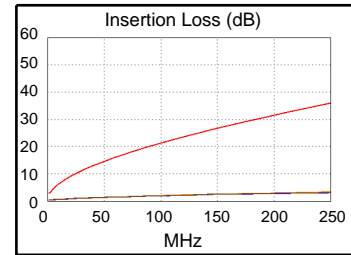
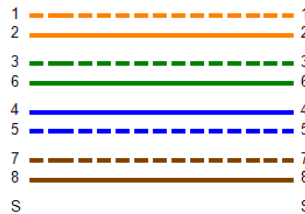
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	23
Prop. Delay (ns), Limit 555	[Pair 12]	35
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.4
Insertion Loss Margin (dB)	[Pair 12]	32.6
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

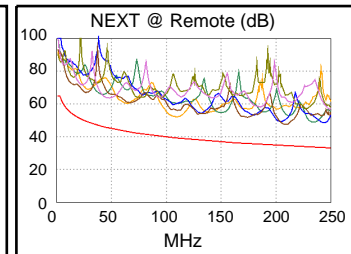
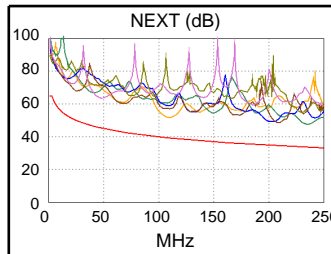


Wire Map (T568B)  
**PASS**

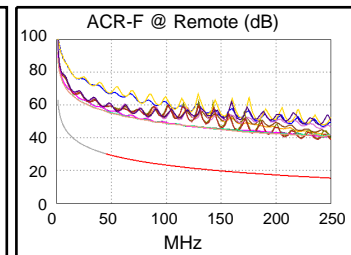
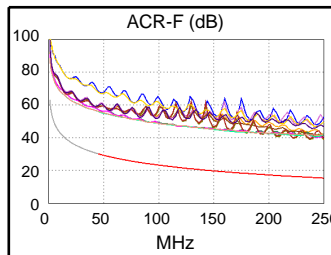


Worst Case Margin Worst Case Value

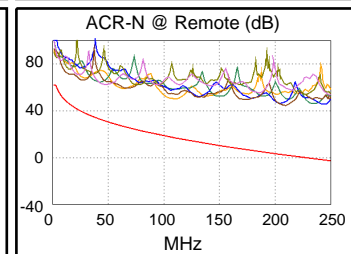
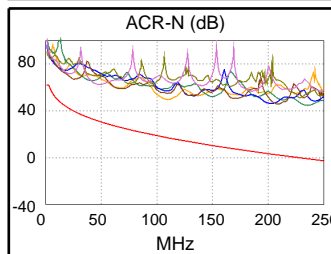
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-45	36-45
<b>NEXT (dB)</b>	12.2	12.8	13.9	12.8
Freq. (MHz)	109.5	208.0	235.0	208.0
Limit (dB)	39.3	34.5	33.6	34.5
Worst Pair	12	36	12	45
<b>PS NEXT (dB)</b>	14.0	14.2	16.0	14.7
Freq. (MHz)	108.5	111.0	237.0	209.5
Limit (dB)	36.5	36.3	30.6	31.5



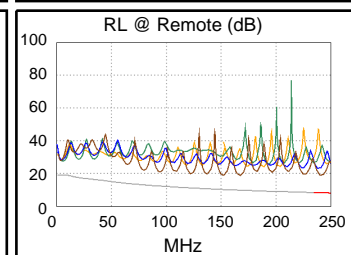
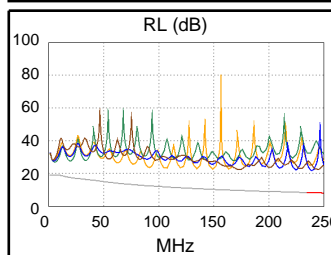
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	23.1	23.1	23.5	23.5
Freq. (MHz)	237.0	237.0	250.0	250.0
Limit (dB)	15.8	15.8	15.3	15.3
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	23.2	23.0	23.2	23.3
Freq. (MHz)	224.0	239.0	239.0	250.0
Limit (dB)	13.3	12.7	12.7	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	36-45
<b>ACR-N (dB)</b>	23.9	24.2	45.6	42.3
Freq. (MHz)	3.1	3.0	235.0	208.0
Limit (dB)	61.2	61.5	-1.1	2.2
Worst Pair	78	36	12	45
<b>PS ACR-N (dB)</b>	24.0	24.4	47.7	44.3
Freq. (MHz)	3.3	3.0	237.0	209.5
Limit (dB)	58.4	58.5	-4.3	-0.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
<b>RL (dB)</b>	13.6	10.6	13.6	10.6
Freq. (MHz)	239.0	241.5	239.0	241.5
Limit (dB)	8.2	8.2	8.2	8.2



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T      ATM-25      ATM-51  
 ATM-155      100VG-AnyLan      TR-4  
 TR-16 Active      TR-16 Passive



**Cable ID: 70189-4**

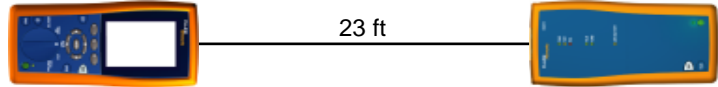
Date / Time: 10/08/2018 10:09:43 AM  
**Headroom 12.6 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

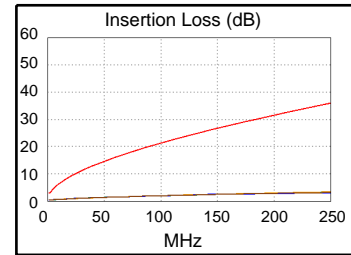
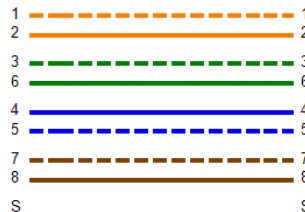
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	23
Prop. Delay (ns), Limit 555	[Pair 12]	35
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 12]	32.6
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

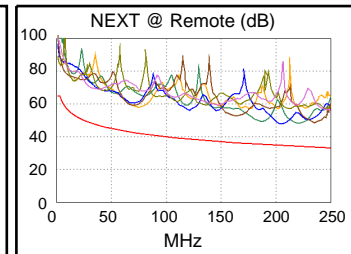
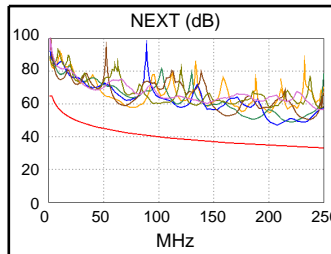


Wire Map (T568B)  
**PASS**

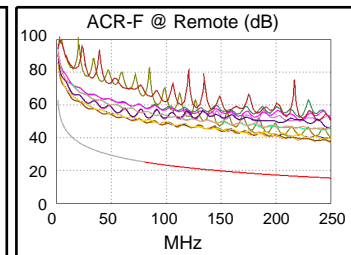
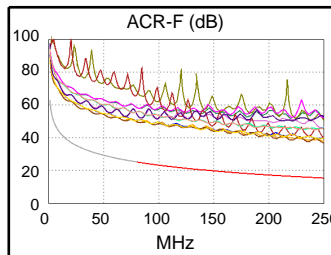


Worst Case Margin Worst Case Value

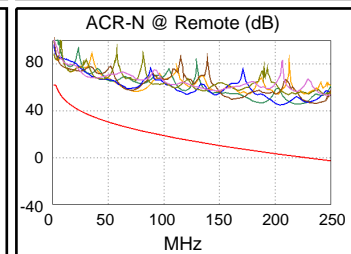
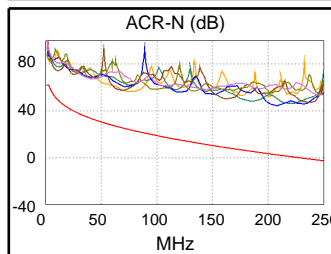
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	12.6	13.2	12.6	13.2
Freq. (MHz)	206.0	203.5	206.5	204.0
Limit (dB)	34.6	34.7	34.5	34.6
Worst Pair	12	12	12	12
<b>PS NEXT (dB)</b>	14.5	15.4	14.5	15.7
Freq. (MHz)	207.5	205.0	207.5	226.0
Limit (dB)	31.6	31.7	31.6	30.9



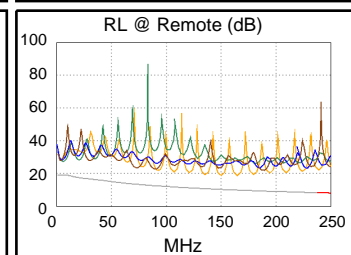
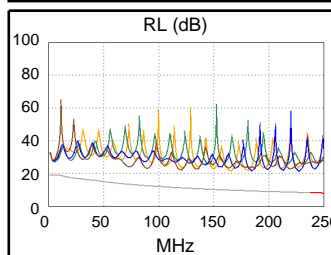
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-12	12-36
<b>ACR-F (dB)</b>	21.6	21.8	21.6	21.8
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	15.3	15.3	15.3	15.3
Worst Pair	12	12	12	12
<b>PS ACR-F (dB)</b>	22.8	23.4	22.8	23.4
Freq. (MHz)	248.0	247.0	249.0	250.0
Limit (dB)	12.4	12.4	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-78	12-78
<b>ACR-N (dB)</b>	20.7	22.4	41.9	42.3
Freq. (MHz)	3.0	2.5	206.5	204.0
Limit (dB)	61.5	61.8	2.4	2.7
Worst Pair	36	36	12	12
<b>PS ACR-N (dB)</b>	20.8	21.6	43.9	46.4
Freq. (MHz)	3.3	3.3	209.0	226.0
Limit (dB)	58.4	58.4	-0.8	-2.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	12
<b>RL (dB)</b>	14.1	11.6	14.5	11.6
Freq. (MHz)	211.0	209.0	241.5	209.0
Limit (dB)	8.8	8.8	8.2	8.8



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T    ATM-25            ATM-51  
 ATM-155      100VG-AnyLan    TR-4  
 TR-16 Active    TR-16 Passive



**Cable ID: 70189-5**

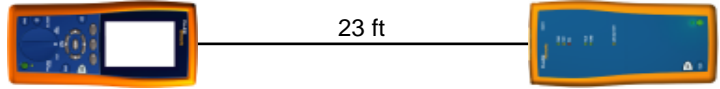
Date / Time: 10/08/2018 10:10:46 AM  
**Headroom 10.8 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

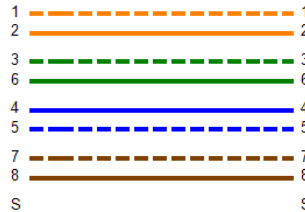
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	23
Prop. Delay (ns), Limit 555	[Pair 12]	35
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.3
Insertion Loss Margin (dB)	[Pair 12]	32.6
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

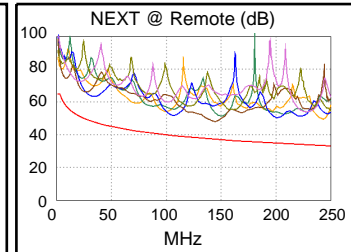
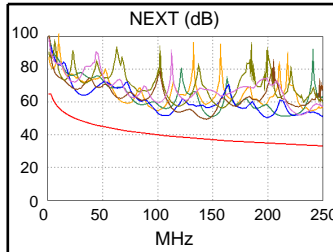


Wire Map (T568B)  
**PASS**

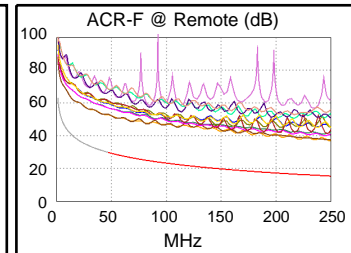
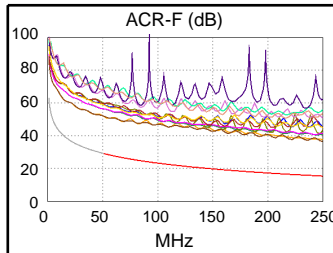


Worst Case Margin Worst Case Value

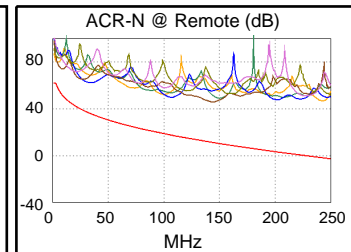
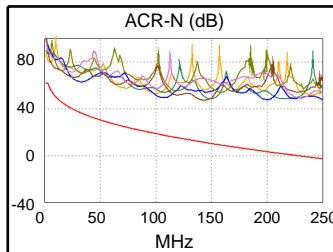
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	36-45	36-45
<b>NEXT (dB)</b>	12.0	10.8	12.3	10.8
Freq. (MHz)	106.0	144.5	144.5	144.5
Limit (dB)	39.5	37.2	37.2	37.2
Worst Pair	12	12	45	45
<b>PS NEXT (dB)</b>	12.6	12.5	13.3	12.5
Freq. (MHz)	103.0	104.0	146.0	144.5
Limit (dB)	36.9	36.8	34.2	34.3



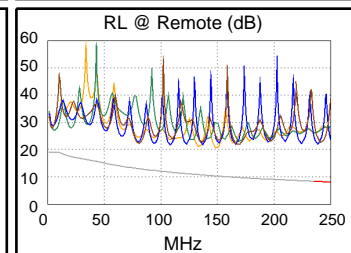
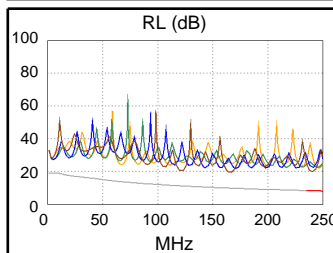
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-12	12-36
<b>ACR-F (dB)</b>	21.2	21.3	21.3	21.5
Freq. (MHz)	221.0	221.0	249.0	249.0
Limit (dB)	16.4	16.4	15.3	15.3
Worst Pair	12	12	12	12
<b>PS ACR-F (dB)</b>	22.6	23.1	22.6	23.2
Freq. (MHz)	221.0	239.0	249.5	250.0
Limit (dB)	13.4	12.7	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
<b>ACR-N (dB)</b>	19.8	20.2	36.1	34.6
Freq. (MHz)	3.0	2.5	144.5	144.5
Limit (dB)	61.5	61.8	11.0	11.0
Worst Pair	36	36	45	45
<b>PS ACR-N (dB)</b>	20.8	19.7	37.1	36.3
Freq. (MHz)	3.4	3.3	144.5	144.5
Limit (dB)	58.0	58.4	8.1	8.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	45	78	45
<b>RL (dB)</b>	11.7	13.8	11.7	13.8
Freq. (MHz)	240.0	238.5	240.0	238.5
Limit (dB)	8.2	8.2	8.2	8.2



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T    ATM-25            ATM-51  
 ATM-155      100VG-AnyLan    TR-4  
 TR-16 Active    TR-16 Passive



**Cable ID: 70189-6**

Date / Time: 10/08/2018 10:11:52 AM

Headroom 13.3 dB (NEXT 12-78)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: KARIM

Software Version: 2.7800

Limits Version: 1.9500

Calibration Date:

Main (Tester): 11/01/2016

Remote (Tester): 11/01/2016

**Test Summary: PASS**

Model: DTX-1800

Main S/N: 3178039

Remote S/N: 3178046

Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

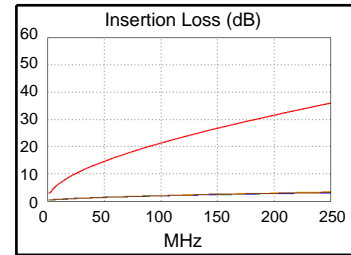
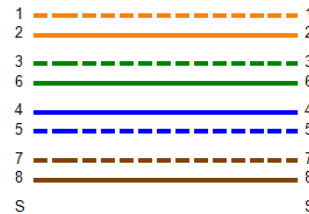
Length (ft), Limit 328	[Pair 78]	23
Prop. Delay (ns), Limit 555	[Pair 12]	35
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.3
Insertion Loss Margin (dB)	[Pair 12]	32.6
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9



23 ft

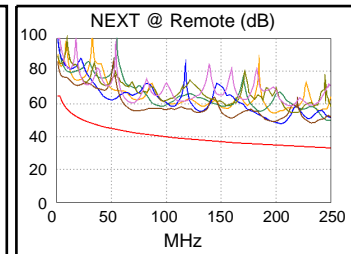
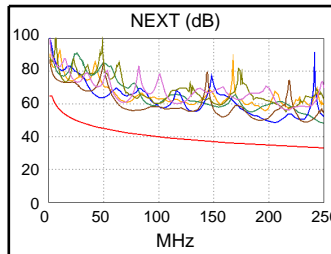


Wire Map (T568B)  
**PASS**

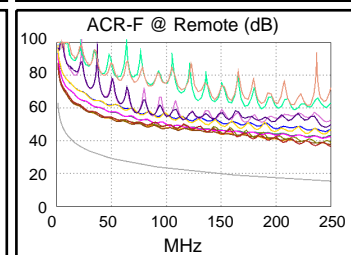
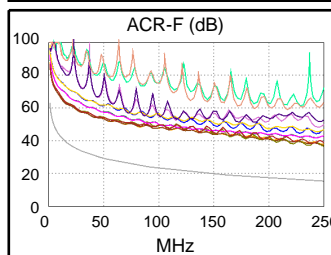


Worst Case Margin Worst Case Value

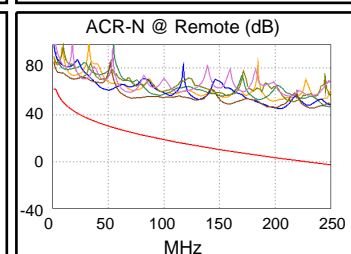
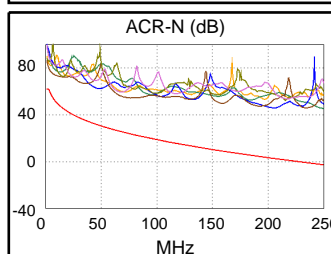
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-45	12-78
<b>NEXT (dB)</b>	14.0	13.3	15.4	13.3
Freq. (MHz)	205.0	204.5	249.0	204.5
Limit (dB)	34.6	34.6	33.1	34.6
Worst Pair	36	36	12	12
<b>PS NEXT (dB)</b>	15.2	14.8	16.6	15.5
Freq. (MHz)	3.3	3.3	250.0	204.5
Limit (dB)	62.0	62.0	30.2	31.7



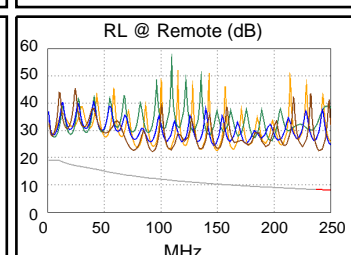
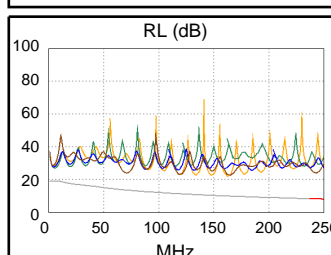
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	21.2	21.2	21.2	21.2
Freq. (MHz)	250.0	234.5	250.0	250.0
Limit (dB)	15.3	15.9	15.3	15.3
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	22.9	21.5	23.0	21.5
Freq. (MHz)	236.5	250.0	250.0	250.0
Limit (dB)	12.8	12.3	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-78
<b>ACR-N (dB)</b>	17.8	17.1	48.2	42.4
Freq. (MHz)	2.9	2.9	250.0	204.5
Limit (dB)	61.6	61.6	-2.8	2.7
Worst Pair	36	36	12	12
<b>PS ACR-N (dB)</b>	18.4	18.0	49.3	44.6
Freq. (MHz)	3.3	3.3	250.0	204.5
Limit (dB)	58.4	58.4	-5.8	-0.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	15.6	14.2	15.6	14.2
Freq. (MHz)	242.5	240.5	242.5	240.5
Limit (dB)	8.2	8.2	8.2	8.2



Compliant Network Standards:

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