



**Cable ID: 69067-1**

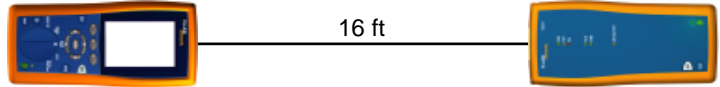
Date / Time: 10/08/2018 11:34:57 AM  
**Headroom 17.2 dB (NEXT 45-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

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

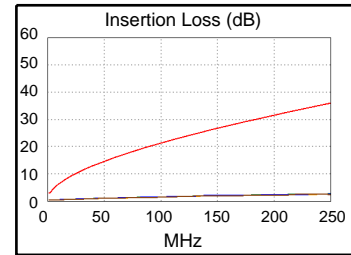
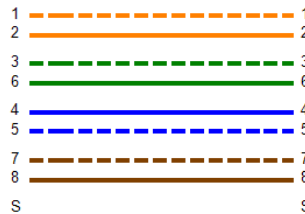
**Test Summary: PASS**

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]	16
Prop. Delay (ns), Limit 555	[Pair 36]	25
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 12]	1.5
Insertion Loss Margin (dB)	[Pair 36]	33.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

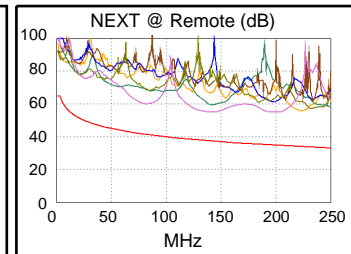
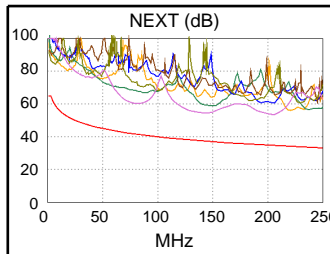


Wire Map (T568B)  
**PASS**

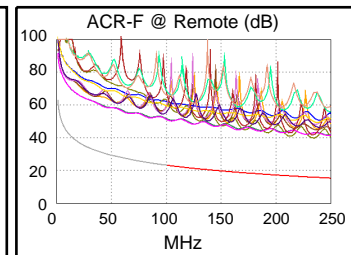
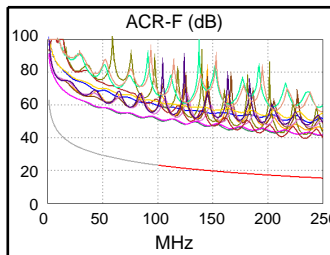


Worst Case Margin Worst Case Value

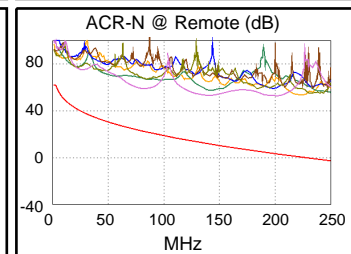
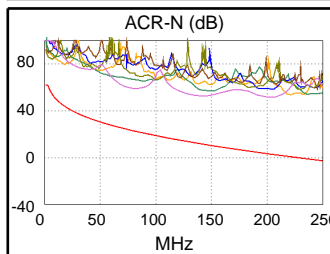
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	17.2	17.6	18.9	17.6
Freq. (MHz)	137.5	139.0	205.0	139.0
Limit (dB)	37.6	37.5	34.6	37.5
Worst Pair	45	45	78	78
<b>PS NEXT (dB)</b>	18.9	19.1	20.9	21.6
Freq. (MHz)	139.0	139.0	205.0	197.0
Limit (dB)	34.6	34.6	31.7	32.0



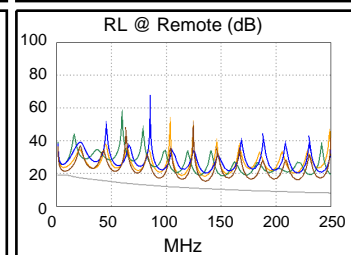
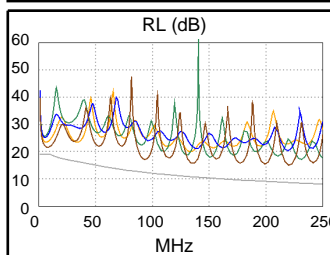
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	23.6	23.8	23.6	23.8
Freq. (MHz)	233.5	233.5	233.5	233.5
Limit (dB)	15.9	15.9	15.9	15.9
Worst Pair	36	45	36	45
<b>PS ACR-F (dB)</b>	25.0	25.0	25.0	25.0
Freq. (MHz)	234.5	232.5	234.5	232.5
Limit (dB)	12.9	12.9	12.9	12.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	45-78	45-78
<b>ACR-N (dB)</b>	24.9	26.3	48.7	49.6
Freq. (MHz)	3.0	3.1	205.0	200.5
Limit (dB)	61.5	61.2	2.6	3.2
Worst Pair	36	36	78	78
<b>PS ACR-N (dB)</b>	25.2	26.5	50.7	50.7
Freq. (MHz)	3.1	3.1	205.0	197.0
Limit (dB)	58.4	58.4	-0.3	0.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	2.6	2.4	6.4	4.5
Freq. (MHz)	7.0	7.6	220.0	135.0
Limit (dB)	19.0	19.0	8.6	10.7



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: 69067-2**

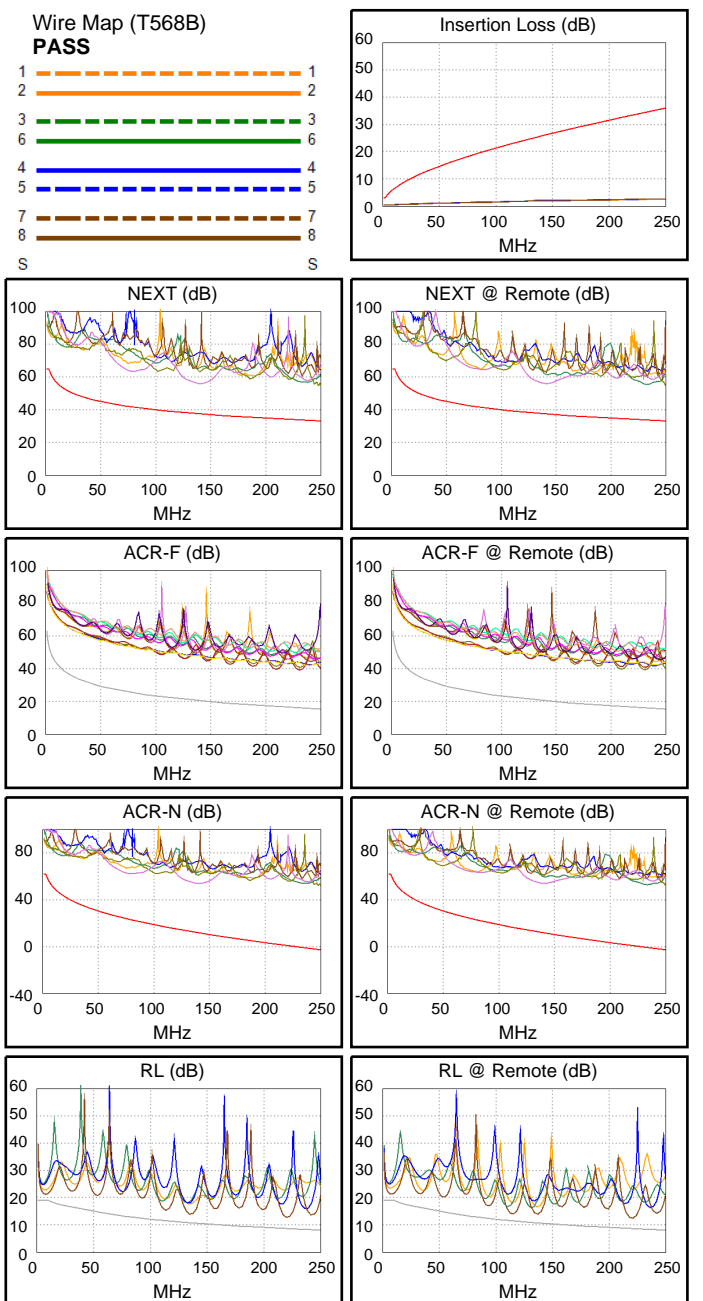
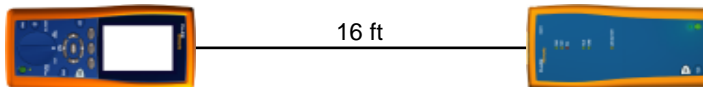
Date / Time: 10/08/2018 11:35:26 AM  
**Headroom 18.4 dB (NEXT 45-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

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]	16
Prop. Delay (ns), Limit 555	[Pair 36]	25
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 12]	1.7
Insertion Loss Margin (dB)	[Pair 36]	33.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9



**Worst Case Margin Worst Case Value**

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-78	36-78
<b>NEXT (dB)</b>	18.4	18.6	21.7	21.9
Freq. (MHz)	139.0	139.0	248.0	249.5
Limit (dB)	37.5	37.5	33.2	33.1
Worst Pair	78	45	45	45
<b>PS NEXT (dB)</b>	20.5	19.8	23.1	22.5
Freq. (MHz)	139.0	140.0	236.0	233.0
Limit (dB)	34.6	34.5	30.6	30.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	22.8	22.9	23.2	23.2
Freq. (MHz)	208.5	208.5	230.5	231.0
Limit (dB)	16.9	16.9	16.0	16.0
Worst Pair	36	45	36	45
<b>PS ACR-F (dB)</b>	25.3	25.0	25.7	25.4
Freq. (MHz)	209.5	208.0	231.0	230.5
Limit (dB)	13.8	13.9	13.0	13.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	36-78
<b>ACR-N (dB)</b>	24.8	25.8	55.0	55.4
Freq. (MHz)	3.0	3.0	248.0	249.5
Limit (dB)	61.5	61.5	-2.6	-2.8
Worst Pair	36	36	45	45
<b>PS ACR-N (dB)</b>	24.8	25.9	55.2	54.5
Freq. (MHz)	3.0	3.3	236.0	233.0
Limit (dB)	58.5	58.4	-4.1	-3.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	2.2	2.3	4.1	3.7
Freq. (MHz)	7.4	6.8	220.0	220.0
Limit (dB)	19.0	19.0	8.6	8.6

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: 69067-3**

Date / Time: 10/08/2018 11:37:35 AM

Headroom 16.3 dB (NEXT 36-78)

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

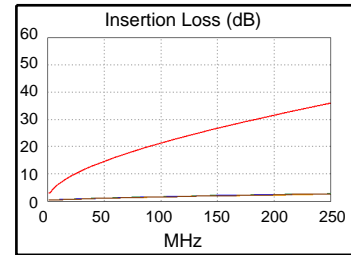
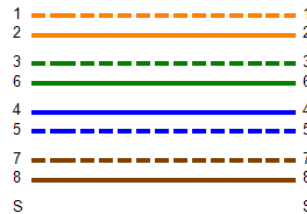
Length (ft), Limit 328	[Pair 78]	16
Prop. Delay (ns), Limit 555	[Pair 12]	25
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.5
Insertion Loss Margin (dB)	[Pair 36]	33.2
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	35.9



16 ft

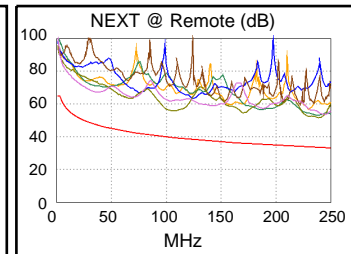
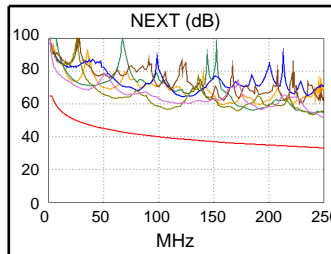


Wire Map (T568B)  
**PASS**

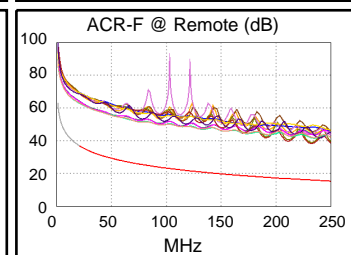
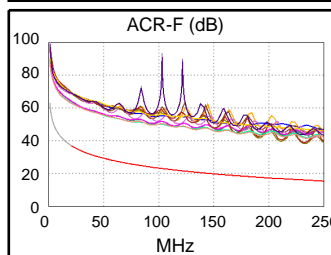


Worst Case Margin Worst Case Value

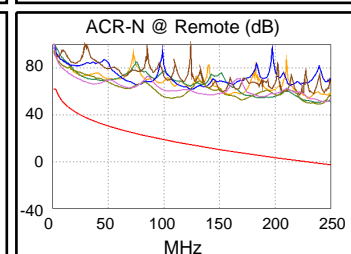
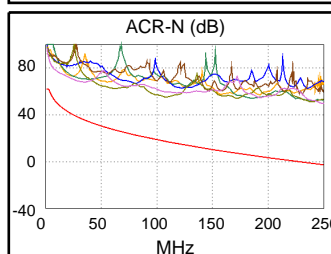
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	45-78	36-78
<b>NEXT (dB)</b>	17.3	16.3	18.9	18.1
Freq. (MHz)	108.0	103.5	248.5	238.5
Limit (dB)	39.4	39.7	33.2	33.5
Worst Pair	78	78	45	78
<b>PS NEXT (dB)</b>	18.8	18.1	19.9	19.3
Freq. (MHz)	107.0	105.5	248.5	240.0
Limit (dB)	36.6	36.7	30.2	30.5



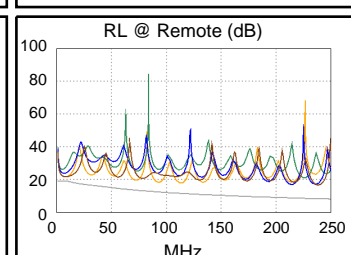
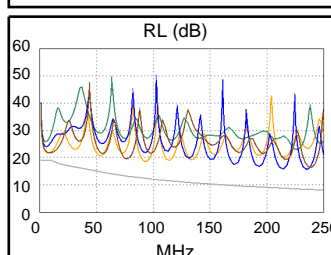
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	22.3	22.3	22.3	22.3
Freq. (MHz)	231.0	231.0	232.0	232.0
Limit (dB)	16.0	16.0	15.9	15.9
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	22.9	23.4	22.9	23.4
Freq. (MHz)	231.5	232.5	232.0	232.5
Limit (dB)	13.0	12.9	12.9	12.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-78
<b>ACR-N (dB)</b>	24.9	27.0	52.4	50.7
Freq. (MHz)	4.9	3.9	248.5	240.0
Limit (dB)	57.2	59.3	-2.7	-1.7
Worst Pair	78	78	45	78
<b>PS ACR-N (dB)</b>	26.3	26.4	53.2	51.8
Freq. (MHz)	4.9	3.3	248.5	240.0
Limit (dB)	54.7	58.4	-5.6	-4.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	78
<b>RL (dB)</b>	2.7	2.6	7.3	8.3
Freq. (MHz)	6.5	6.8	235.0	238.0
Limit (dB)	19.0	19.0	8.3	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: 69067-4**

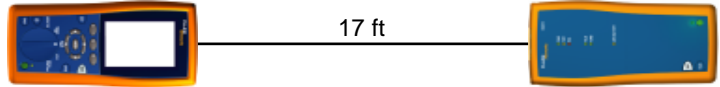
Date / Time: 10/08/2018 11:38:36 AM  
**Headroom 21.6 dB (NEXT 45-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

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

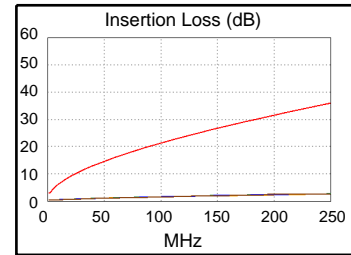
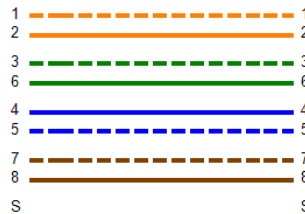
**Test Summary: PASS**

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]	17
Prop. Delay (ns), Limit 555	[Pair 12]	25
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	33.2
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	35.9

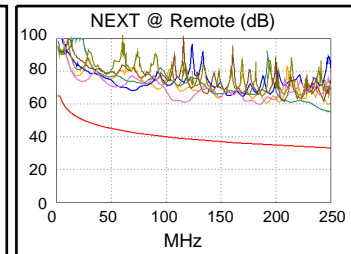
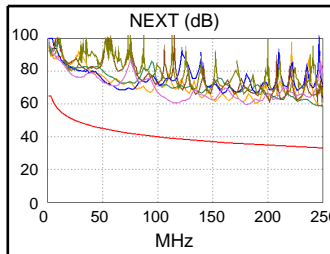


Wire Map (T568B)  
**PASS**

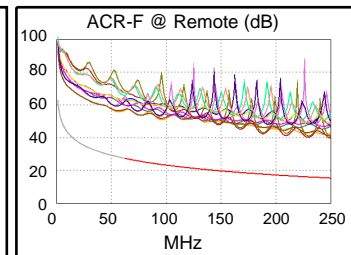
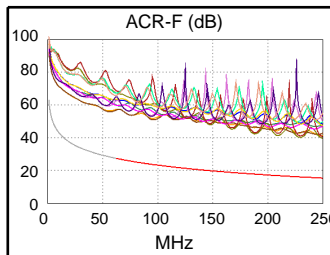


Worst Case Margin Worst Case Value

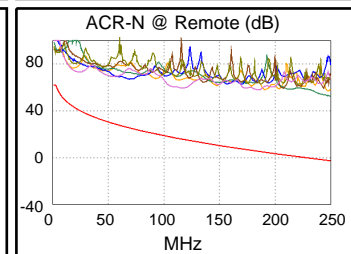
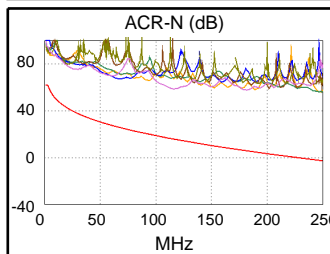
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-45	12-45
<b>NEXT (dB)</b>	21.6	22.1	25.6	22.2
Freq. (MHz)	115.0	116.5	249.0	250.0
Limit (dB)	38.9	38.8	33.1	33.1
Worst Pair	36	12	12	12
<b>PS NEXT (dB)</b>	24.0	23.9	25.6	23.9
Freq. (MHz)	3.3	247.0	246.5	247.0
Limit (dB)	62.0	30.2	30.3	30.2



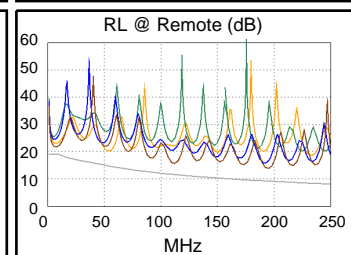
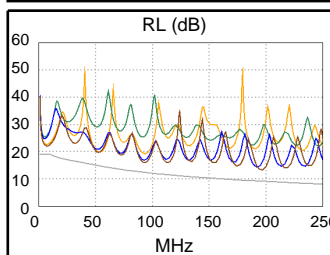
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	24.1	24.1	24.4	24.3
Freq. (MHz)	228.5	228.0	249.5	249.5
Limit (dB)	16.1	16.1	15.3	15.3
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	25.6	25.1	25.6	25.4
Freq. (MHz)	248.5	228.5	249.5	250.0
Limit (dB)	12.4	13.1	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-45	12-45
<b>ACR-N (dB)</b>	28.0	28.3	58.8	55.5
Freq. (MHz)	3.0	2.4	249.0	250.0
Limit (dB)	61.5	61.9	-2.7	-2.8
Worst Pair	36	36	12	12
<b>PS ACR-N (dB)</b>	27.3	27.5	58.8	57.0
Freq. (MHz)	3.3	2.6	246.5	247.0
Limit (dB)	58.4	58.7	-5.4	-5.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	3.0	2.7	4.1	4.7
Freq. (MHz)	7.4	6.8	195.5	193.5
Limit (dB)	19.0	19.0	9.1	9.1



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: 69067-5**

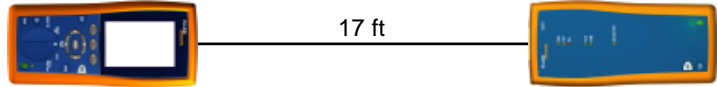
Date / Time: 10/08/2018 11:39:36 AM  
**Headroom 21.8 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

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

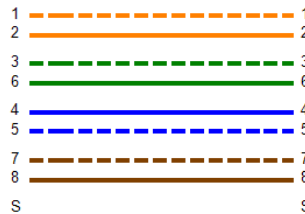
**Test Summary: PASS**

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

Length (ft), Limit 328	[Pair 12]	17
Prop. Delay (ns), Limit 555	[Pair 12]	25
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	33.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

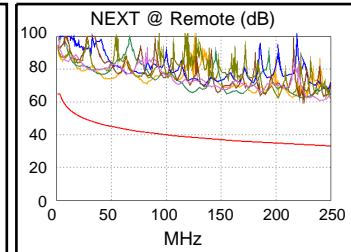
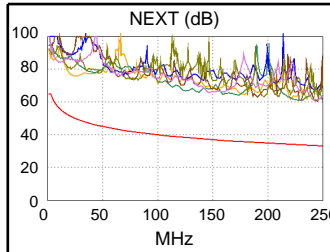


Wire Map (T568B)  
**PASS**

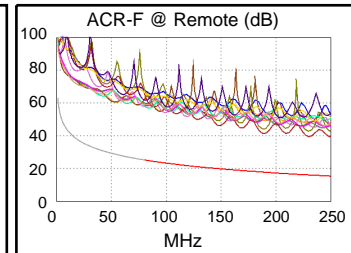
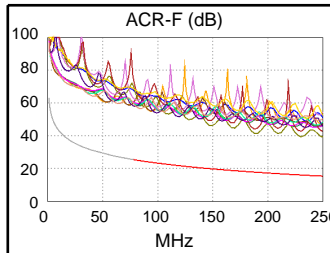


Worst Case Margin Worst Case Value

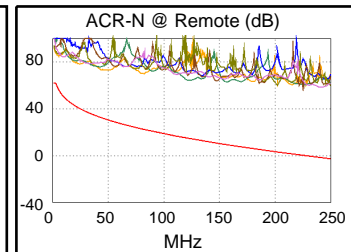
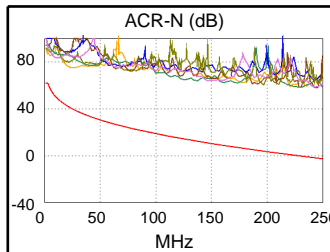
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	45-78
<b>NEXT (dB)</b>	21.8	22.6	27.1	27.4
Freq. (MHz)	3.0	2.9	243.5	241.0
Limit (dB)	65.0	65.0	33.3	33.4
Worst Pair	36	36	45	45
<b>PS NEXT (dB)</b>	22.7	22.2	26.5	28.3
Freq. (MHz)	3.0	3.9	230.5	243.5
Limit (dB)	62.0	60.8	30.8	30.4



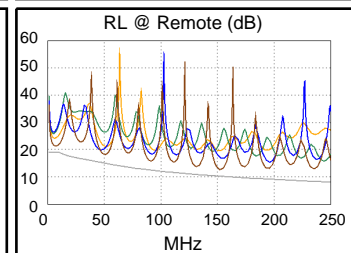
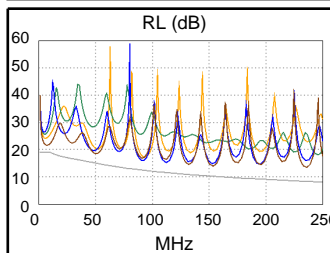
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	23.4	23.4	23.9	23.9
Freq. (MHz)	230.0	230.0	250.0	250.0
Limit (dB)	16.0	16.0	15.3	15.3
Worst Pair	45	36	45	36
<b>PS ACR-F (dB)</b>	25.5	25.8	25.8	26.1
Freq. (MHz)	230.0	188.0	249.5	248.5
Limit (dB)	13.0	14.8	12.3	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	45-78
<b>ACR-N (dB)</b>	25.0	25.7	59.8	60.1
Freq. (MHz)	3.0	2.9	243.5	241.0
Limit (dB)	61.5	61.6	-2.1	-1.8
Worst Pair	36	36	45	45
<b>PS ACR-N (dB)</b>	25.9	25.7	58.2	61.0
Freq. (MHz)	3.0	2.9	230.5	243.5
Limit (dB)	58.5	58.6	-3.5	-5.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	2.6	2.3	5.1	2.4
Freq. (MHz)	6.5	6.4	235.0	152.0
Limit (dB)	19.0	19.0	8.3	10.2



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: 69067-6**

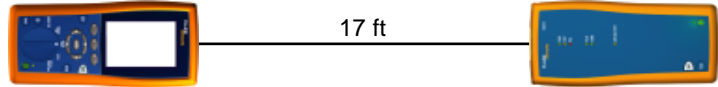
Date / Time: 10/08/2018 11:40:10 AM  
**Headroom 23.7 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

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

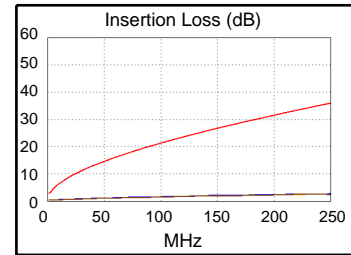
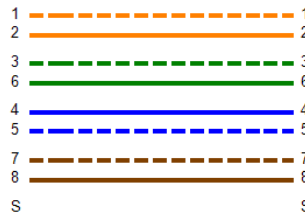
**Test Summary: PASS**

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

Length (ft), Limit 328	[Pair 12]	17
Prop. Delay (ns), Limit 555	[Pair 12]	25
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	1.4
Insertion Loss Margin (dB)	[Pair 45]	33.2
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9

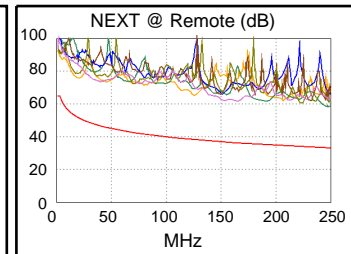
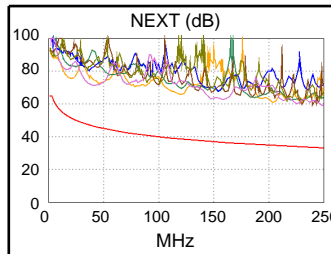


Wire Map (T568B)  
**PASS**

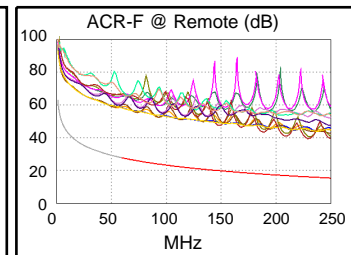
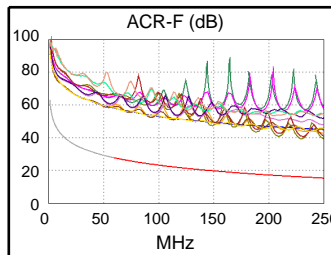


Worst Case Margin Worst Case Value

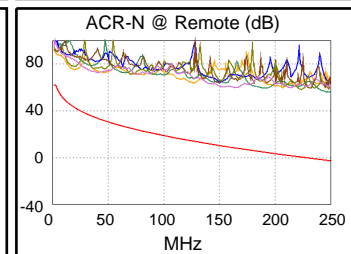
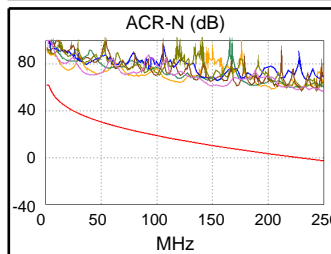
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	45-78	12-45
<b>NEXT (dB)</b>	23.7	23.9	25.9	25.2
Freq. (MHz)	17.5	17.5	249.5	246.5
Limit (dB)	52.6	52.6	33.1	33.2
Worst Pair	36	36	36	45
<b>PS NEXT (dB)</b>	23.3	23.9	25.4	26.2
Freq. (MHz)	3.3	3.3	230.0	248.0
Limit (dB)	62.0	62.0	30.8	30.2



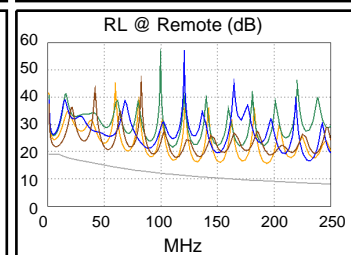
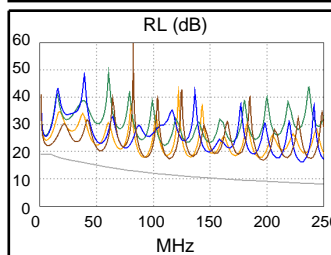
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	23.2	23.3	23.2	23.3
Freq. (MHz)	229.0	229.0	229.0	229.0
Limit (dB)	16.1	16.1	16.1	16.1
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	25.8	25.0	26.2	25.6
Freq. (MHz)	230.5	229.0	250.0	249.5
Limit (dB)	13.0	13.1	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-45
<b>ACR-N (dB)</b>	27.1	27.5	58.6	58.2
Freq. (MHz)	3.0	2.9	242.5	246.5
Limit (dB)	61.5	61.6	-2.0	-2.4
Worst Pair	36	36	36	45
<b>PS ACR-N (dB)</b>	26.6	27.1	57.1	59.4
Freq. (MHz)	3.3	2.9	230.0	248.0
Limit (dB)	58.4	58.6	-3.4	-5.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	12
<b>RL (dB)</b>	3.2	2.8	7.7	6.4
Freq. (MHz)	6.6	6.6	230.5	193.0
Limit (dB)	19.0	19.0	8.4	9.1



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