



**Cable ID: 70194-1**

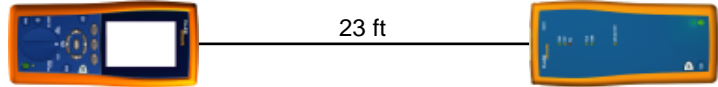
Date / Time: 10/08/2018 10:37:20 AM  
**Headroom 17.8 dB (NEXT 12-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

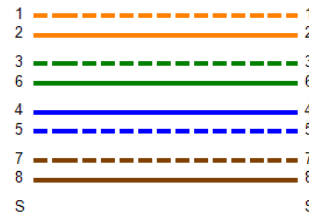
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 12]	23
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	1.5
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

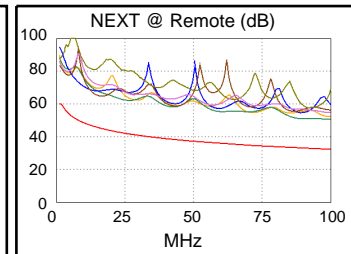
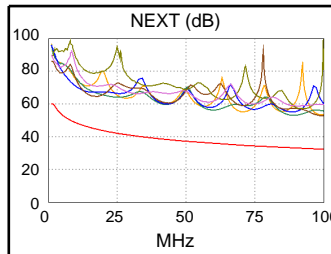


Wire Map (T568B)  
**PASS**

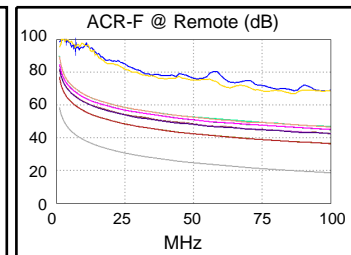
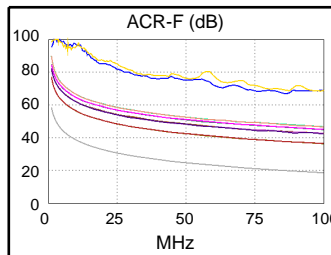


Worst Case Margin Worst Case Value

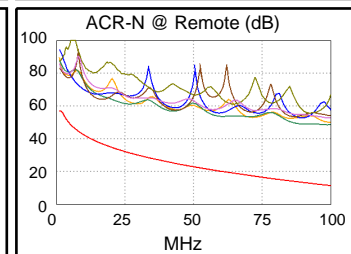
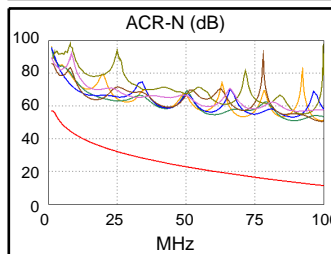
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
<b>NEXT (dB)</b>	19.6	17.8	20.3	18.3
Freq. (MHz)	15.3	89.8	99.3	98.5
Limit (dB)	45.6	33.1	32.4	32.4
Worst Pair	12	12	36	12
<b>PS NEXT (dB)</b>	19.8	18.3	20.6	18.9
Freq. (MHz)	42.0	88.5	98.8	99.5
Limit (dB)	35.5	30.2	29.4	29.3



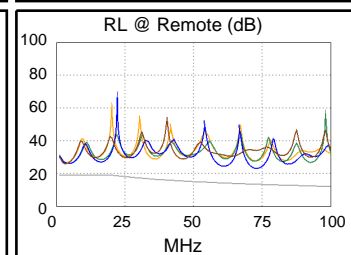
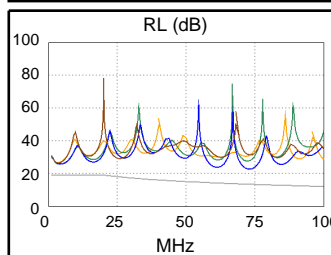
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
<b>ACR-F (dB)</b>	17.6	17.6	17.7	17.7
Freq. (MHz)	3.1	3.3	99.3	99.3
Limit (dB)	48.7	48.4	18.7	18.7
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	18.7	18.7	19.0	19.1
Freq. (MHz)	3.0	3.1	99.0	99.8
Limit (dB)	46.1	45.7	15.7	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
<b>ACR-N (dB)</b>	26.5	24.2	39.0	36.9
Freq. (MHz)	15.4	1.9	99.3	98.5
Limit (dB)	37.8	57.0	11.5	11.6
Worst Pair	45	45	36	12
<b>PS ACR-N (dB)</b>	27.1	23.7	39.2	37.7
Freq. (MHz)	15.4	1.9	98.8	99.5
Limit (dB)	34.8	54.0	8.6	8.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	78	45	45
<b>RL (dB)</b>	6.7	6.9	9.2	9.6
Freq. (MHz)	3.9	3.0	72.5	72.8
Limit (dB)	19.0	19.0	13.4	13.4



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: 70194-2**

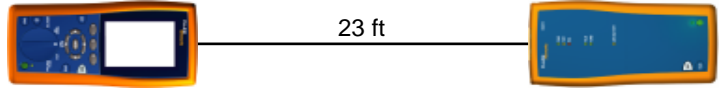
Date / Time: 10/08/2018 10:41:15 AM  
**Headroom 15.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

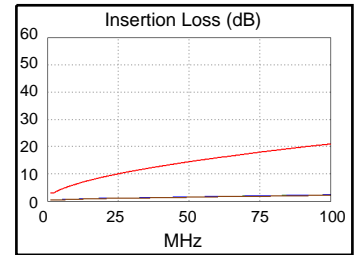
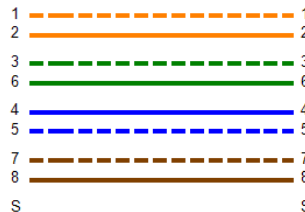
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 12]	23
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

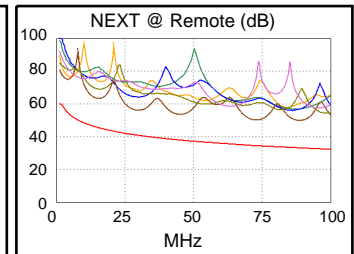
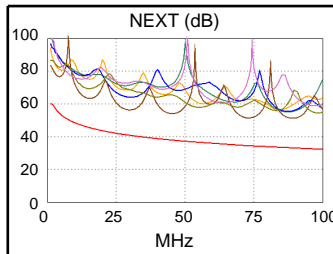


Wire Map (T568B)  
**PASS**

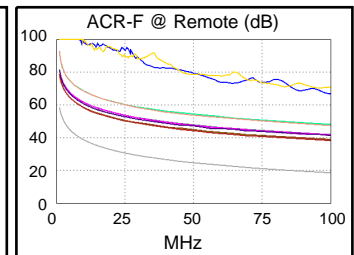
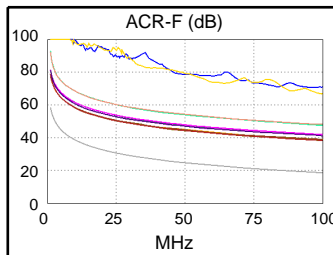


Worst Case Margin Worst Case Value

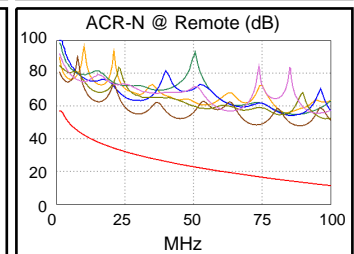
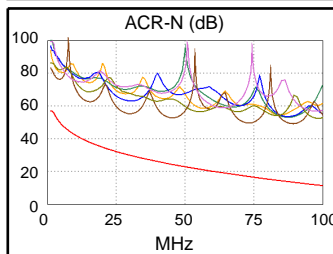
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	15.5	15.3	18.1	16.8
Freq. (MHz)	28.6	28.3	88.3	88.0
Limit (dB)	41.2	41.3	33.2	33.2
Worst Pair	36	36	45	45
<b>PS NEXT (dB)</b>	18.0	17.8	19.5	18.8
Freq. (MHz)	28.6	28.3	88.3	88.8
Limit (dB)	38.2	38.3	30.2	30.2



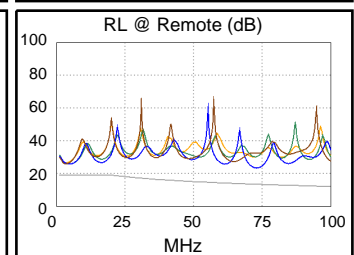
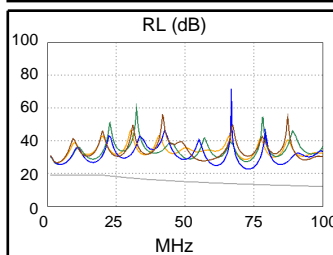
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	19.3	19.3	19.6	19.6
Freq. (MHz)	56.0	56.0	99.8	99.8
Limit (dB)	23.7	23.7	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	18.3	18.4	18.8	18.9
Freq. (MHz)	2.0	2.4	99.5	99.8
Limit (dB)	49.6	48.1	15.7	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	23.8	20.8	35.7	34.4
Freq. (MHz)	2.3	1.9	88.8	88.8
Limit (dB)	55.7	57.0	13.5	13.5
Worst Pair	36	36	45	45
<b>PS ACR-N (dB)</b>	25.1	21.8	37.1	36.4
Freq. (MHz)	1.9	1.9	88.3	88.8
Limit (dB)	54.0	54.0	10.6	10.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
<b>RL (dB)</b>	6.5	6.8	9.2	9.9
Freq. (MHz)	4.0	4.4	72.8	72.5
Limit (dB)	19.0	19.0	13.4	13.4



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: 70194-3**

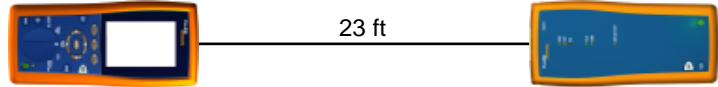
Date / Time: 10/08/2018 10:45:12 AM  
**Headroom 15.9 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

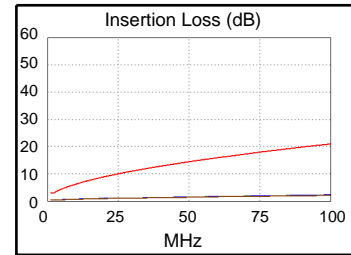
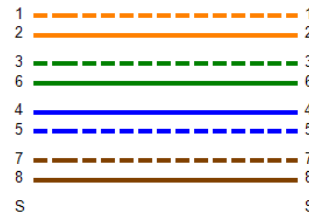
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 12]	23
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	1.5
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

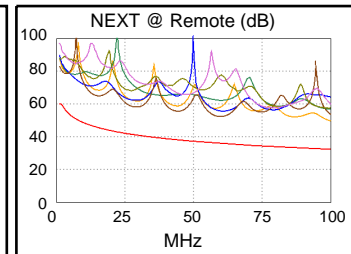
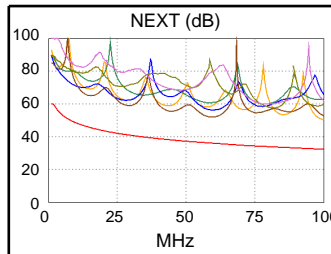


Wire Map (T568B)  
**PASS**

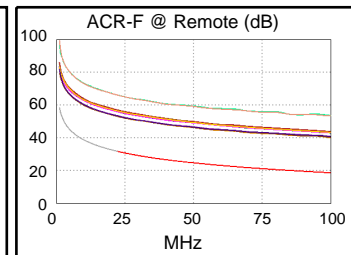
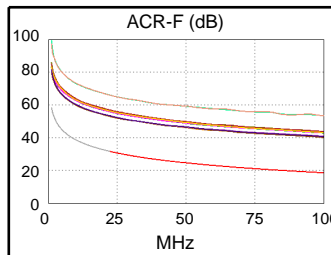


Worst Case Margin Worst Case Value

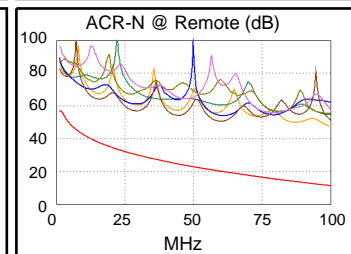
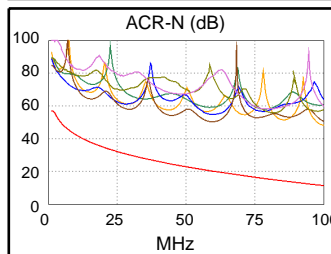
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
<b>NEXT (dB)</b>	15.9	16.3	18.1	17.4
Freq. (MHz)	58.8	59.0	100.0	100.0
Limit (dB)	36.1	36.1	32.3	32.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	18.0	18.2	18.8	18.4
Freq. (MHz)	58.0	27.8	100.0	100.0
Limit (dB)	33.2	38.4	29.3	29.3



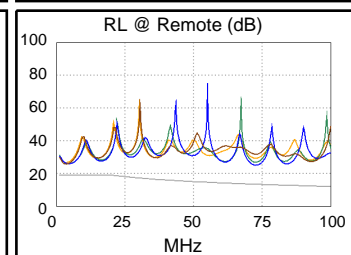
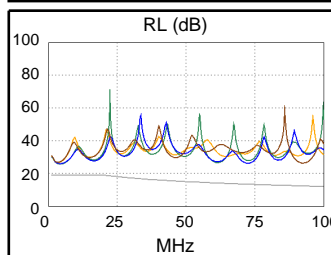
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-12	12-36
<b>ACR-F (dB)</b>	21.1	21.1	21.4	21.3
Freq. (MHz)	11.1	11.1	99.5	99.5
Limit (dB)	37.7	37.7	18.7	18.7
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	20.5	20.5	20.9	20.9
Freq. (MHz)	3.3	4.1	99.8	99.5
Limit (dB)	45.4	43.3	15.6	15.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
<b>ACR-N (dB)</b>	25.9	23.0	36.9	36.2
Freq. (MHz)	13.4	1.9	100.0	100.0
Limit (dB)	39.3	57.0	11.3	11.3
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	27.3	23.9	37.6	37.2
Freq. (MHz)	13.0	1.9	100.0	100.0
Limit (dB)	36.6	54.0	8.3	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	45
<b>RL (dB)</b>	6.7	6.7	6.7	11.6
Freq. (MHz)	3.9	3.1	3.9	72.3
Limit (dB)	19.0	19.0	19.0	13.4



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: 70194-4**

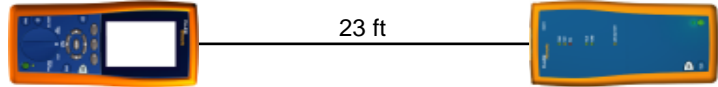
Date / Time: 10/08/2018 10:45:54 AM  
**Headroom 15.8 dB (NEXT 36-45)**  
 Test Limit: TIA Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

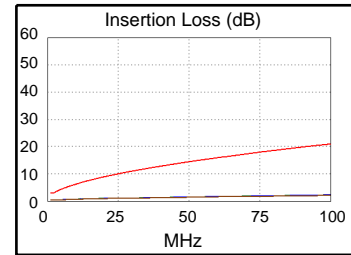
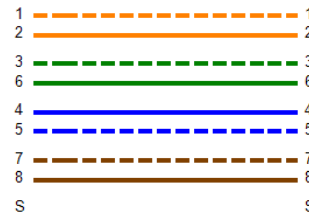
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 12]	23
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

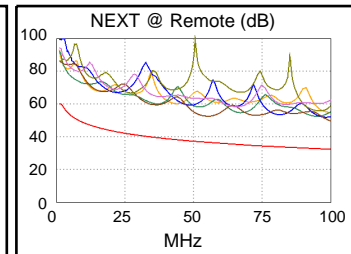
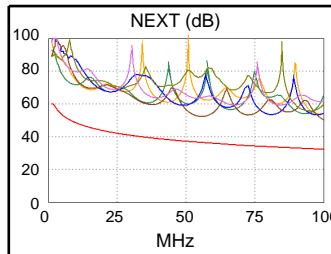


Wire Map (T568B)  
**PASS**

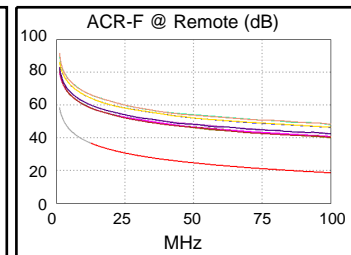
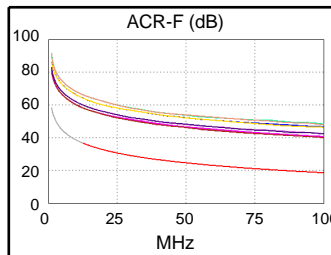


Worst Case Margin Worst Case Value

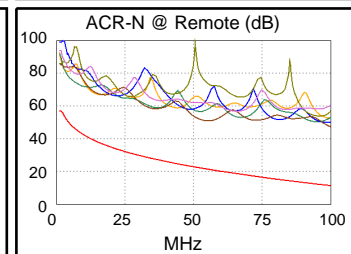
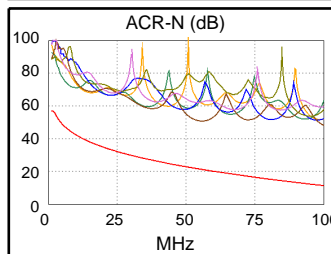
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	15.8	15.9	18.1	17.3
Freq. (MHz)	55.0	54.3	100.0	100.0
Limit (dB)	36.6	36.7	32.3	32.3
Worst Pair	45	45	36	36
<b>PS NEXT (dB)</b>	18.2	17.6	19.3	18.8
Freq. (MHz)	54.0	53.5	99.8	100.0
Limit (dB)	33.7	33.8	29.3	29.3



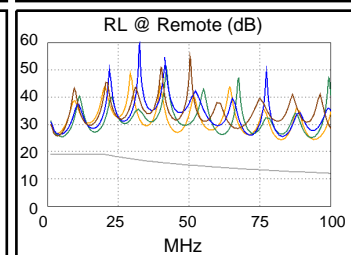
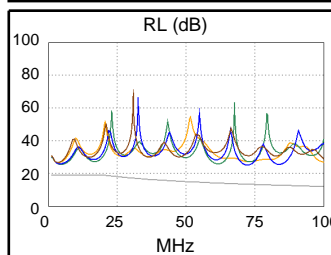
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	12-36	45-36	36-45
<b>ACR-F (dB)</b>	21.2	21.3	21.4	21.4
Freq. (MHz)	56.0	11.1	100.0	100.0
Limit (dB)	23.7	37.7	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	20.1	20.2	20.5	20.6
Freq. (MHz)	3.0	2.3	100.0	100.0
Limit (dB)	46.1	48.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	36-45	36-45
<b>ACR-N (dB)</b>	27.4	27.7	36.9	36.1
Freq. (MHz)	6.9	2.4	100.0	100.0
Limit (dB)	46.0	55.3	11.3	11.3
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	29.4	27.0	38.0	37.6
Freq. (MHz)	13.0	1.9	99.8	100.0
Limit (dB)	36.6	54.0	8.4	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	12
<b>RL (dB)</b>	6.5	6.4	11.6	11.4
Freq. (MHz)	4.0	5.0	71.8	82.0
Limit (dB)	19.0	19.0	13.5	12.9



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: 70194-5**

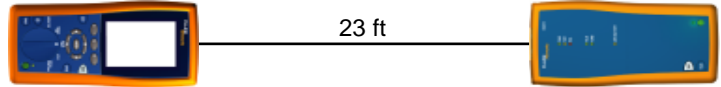
Date / Time: 10/08/2018 10:46:47 AM  
**Headroom 18.7 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

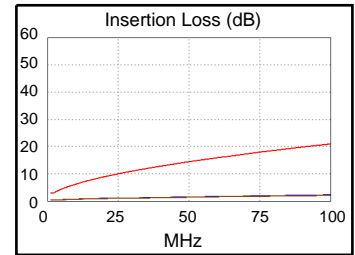
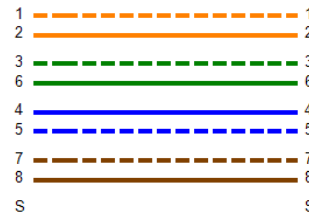
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 12]	23
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	1.5
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

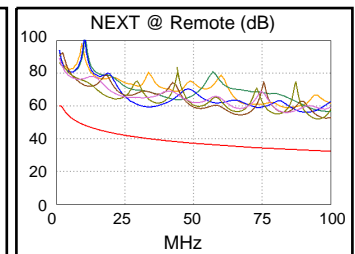
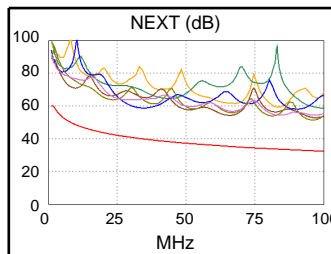


Wire Map (T568B)  
**PASS**

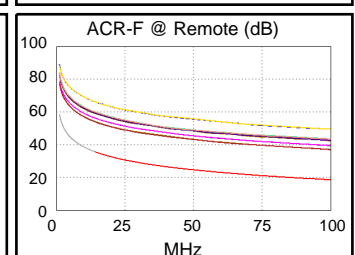
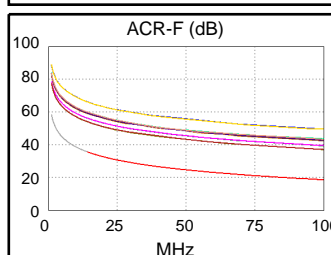


Worst Case Margin Worst Case Value

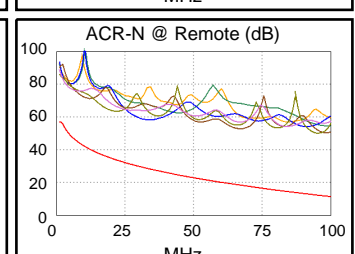
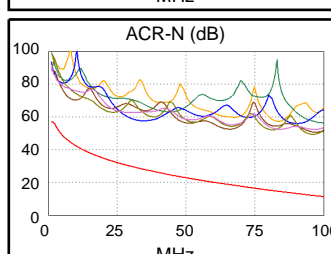
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	36-78
<b>NEXT (dB)</b>	18.7	19.3	18.8	19.4
Freq. (MHz)	32.5	31.5	95.5	94.8
Limit (dB)	40.3	40.5	32.6	32.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	19.3	19.9	19.4	20.0
Freq. (MHz)	66.0	66.0	95.8	96.5
Limit (dB)	32.3	32.3	29.6	29.6



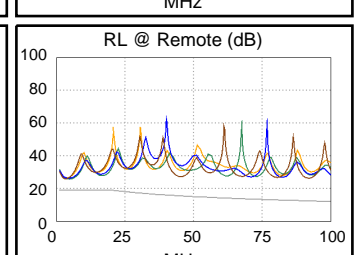
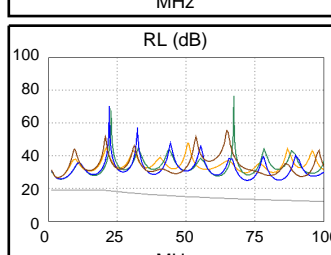
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	18.2	18.2	18.4	18.4
Freq. (MHz)	19.1	14.9	99.8	99.8
Limit (dB)	33.0	35.2	18.6	18.6
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	18.6	18.6	18.8	18.9
Freq. (MHz)	3.3	3.0	99.8	100.0
Limit (dB)	45.4	46.1	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-78	36-78
<b>ACR-N (dB)</b>	26.5	27.4	37.2	37.8
Freq. (MHz)	7.3	1.9	95.5	94.8
Limit (dB)	45.5	57.0	12.2	12.3
Worst Pair	45	78	36	36
<b>PS ACR-N (dB)</b>	28.1	26.4	37.7	38.4
Freq. (MHz)	5.9	1.9	95.8	96.5
Limit (dB)	44.4	54.0	9.1	9.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	36
<b>RL (dB)</b>	6.7	6.7	11.4	6.7
Freq. (MHz)	4.0	4.8	71.8	4.8
Limit (dB)	19.0	19.0	13.5	19.0



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: 70194-6**

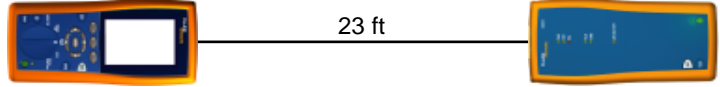
Date / Time: 10/08/2018 10:47:16 AM  
**Headroom 11.7 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

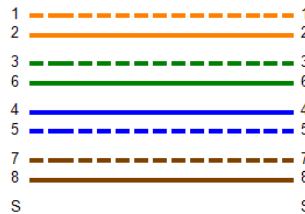
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 12]	23
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

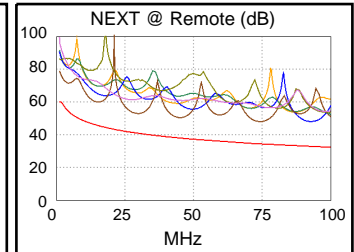
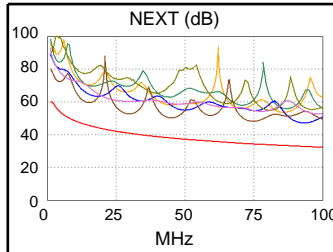


Wire Map (T568B)  
**PASS**

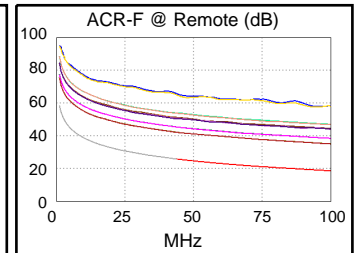
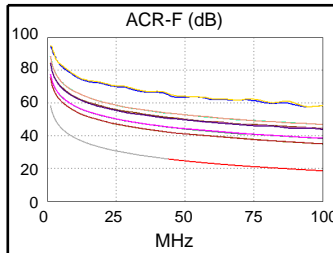


Worst Case Margin Worst Case Value

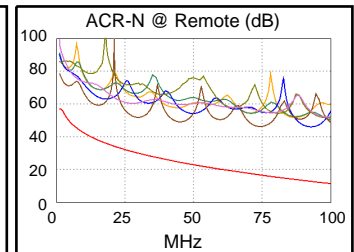
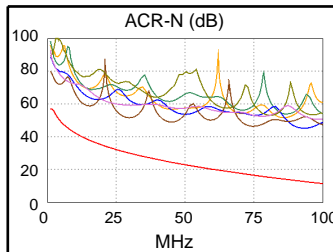
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-78	12-78
<b>NEXT (dB)</b>	11.7	12.0	14.3	15.1
Freq. (MHz)	28.6	28.6	93.5	92.5
Limit (dB)	41.2	41.2	32.8	32.9
Worst Pair	45	45	78	12
<b>PS NEXT (dB)</b>	13.9	14.3	16.2	17.0
Freq. (MHz)	28.6	28.6	94.5	91.3
Limit (dB)	38.2	38.2	29.7	30.0



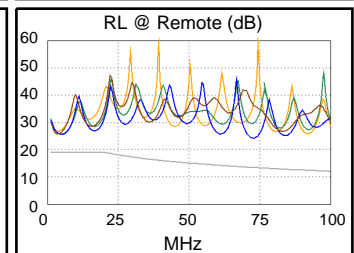
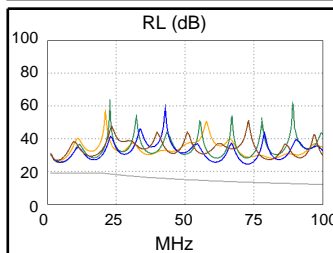
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	16.1	16.1	16.4	16.4
Freq. (MHz)	3.0	3.0	99.8	99.8
Limit (dB)	49.1	49.1	18.6	18.6
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	17.1	17.2	17.5	17.6
Freq. (MHz)	2.5	1.8	99.8	99.5
Limit (dB)	47.7	50.8	15.6	15.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-78	12-78
<b>ACR-N (dB)</b>	19.9	18.3	32.5	33.2
Freq. (MHz)	2.4	1.9	93.5	92.5
Limit (dB)	55.3	57.0	12.6	12.8
Worst Pair	45	36	78	12
<b>PS ACR-N (dB)</b>	22.2	20.6	34.5	34.9
Freq. (MHz)	2.9	1.9	94.5	91.3
Limit (dB)	50.7	54.0	9.4	10.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	45	45
<b>RL (dB)</b>	6.4	6.5	11.1	10.7
Freq. (MHz)	4.3	4.9	72.3	72.3
Limit (dB)	19.0	19.0	13.4	13.4



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