



**Cable ID: 69066-1**

Date / Time: 09/11/2018 07:07:57 PM

Headroom 20.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V5.4 Build 1

Limits Version: V6.2

Calibration Start Date:

Main (Module): 04/06/2018

Remote (Module): 04/06/2018

**Test Summary: PASS**

Model: DSX-5000

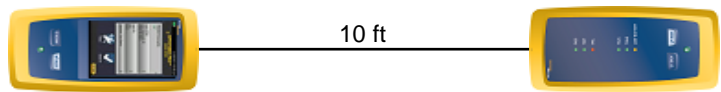
Main S/N: 18020118

Remote S/N: 17480513

Main Adapter: DSX-CHA004

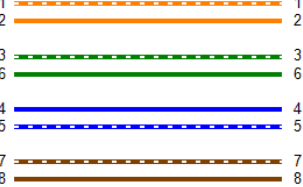
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	10
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 45]	0.76
Insertion Loss Margin (dB)	[Pair 12]	33.6
Frequency (MHz)	[Pair 12]	242.5
Limit (dB)	[Pair 12]	35.3

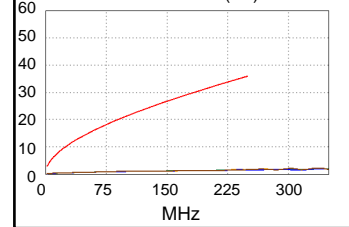


Wire Map (T568B)

**PASS**

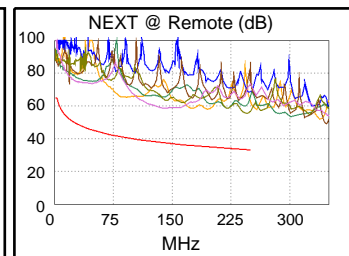
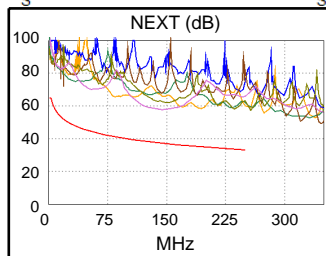


Insertion Loss (dB)

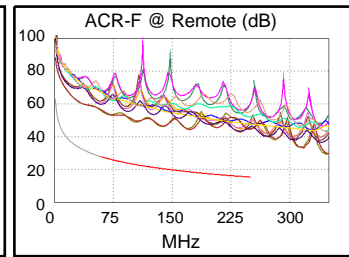
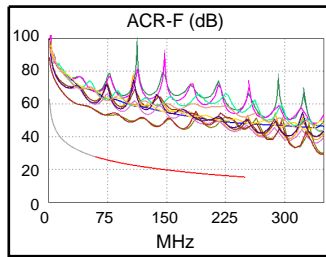


Worst Case Margin Worst Case Value

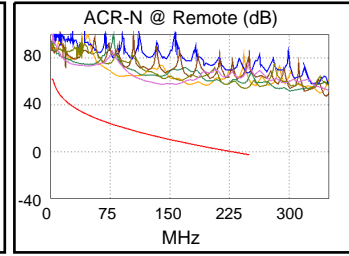
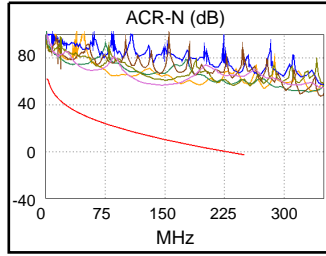
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-78
<b>NEXT (dB)</b>	20.4	20.2	20.7	21.9
Freq. (MHz)	141.0	3.1	147.0	244.5
Limit (dB)	37.4	64.8	37.1	33.3
Worst Pair	36	36	78	78
<b>PS NEXT (dB)</b>	20.3	20.4	22.5	24.6
Freq. (MHz)	3.4	3.3	151.0	244.5
Limit (dB)	61.7	62.0	34.0	30.3



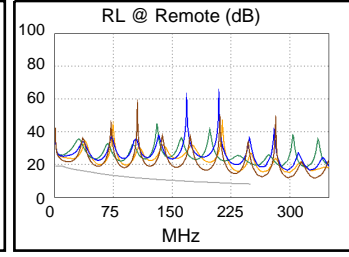
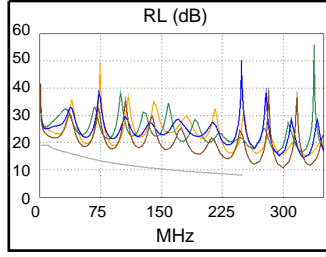
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	12-36	36-12
<b>ACR-F (dB)</b>	25.5	25.6	27.3	27.1
Freq. (MHz)	136.5	136.5	237.0	237.0
Limit (dB)	20.6	20.6	15.8	15.8
Worst Pair	45	36	36	36
<b>PS ACR-F (dB)</b>	27.6	27.5	27.9	27.7
Freq. (MHz)	1.3	240.0	239.5	243.5
Limit (dB)	58.3	12.7	12.7	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>ACR-N (dB)</b>	24.5	23.7	57.8	55.9
Freq. (MHz)	3.4	3.1	236.5	244.5
Limit (dB)	60.5	61.2	-1.3	-2.2
Worst Pair	36	36	36	78
<b>PS ACR-N (dB)</b>	23.9	23.9	59.6	58.6
Freq. (MHz)	3.4	3.3	236.0	244.5
Limit (dB)	58.0	58.4	-4.1	-5.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	3.5	3.5	5.6	6.0
Freq. (MHz)	12.3	14.1	231.5	231.0
Limit (dB)	18.6	18.3	8.4	8.4



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: 69066-2**

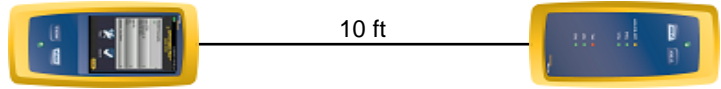
Date / Time: 09/11/2018 07:08:12 PM  
**Headroom 20.5 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V5.4 Build 1  
 Limits Version: V6.2  
 Calibration Start Date:  
 Main (Module): 04/06/2018  
 Remote (Module): 04/06/2018

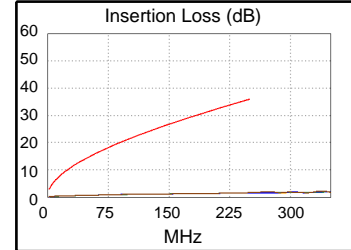
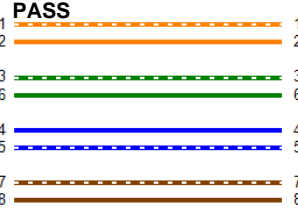
**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 18020118  
 Remote S/N: 17480513  
 Main Adapter: DSX-CHA004  
 Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 45]	0.76
Insertion Loss Margin (dB)	[Pair 12]	33.7
Frequency (MHz)	[Pair 12]	242.5
Limit (dB)	[Pair 12]	35.3

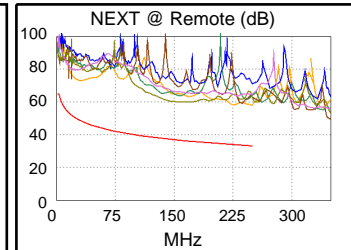
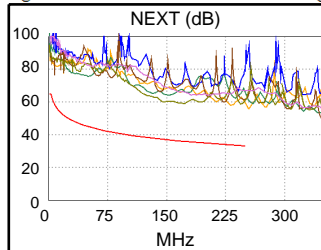


Wire Map (T568B)

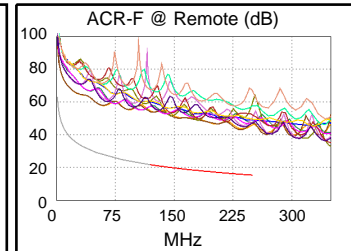
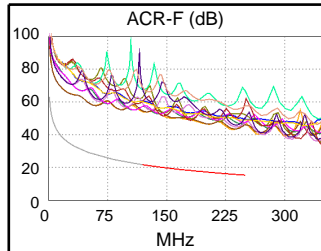


Worst Case Margin Worst Case Value

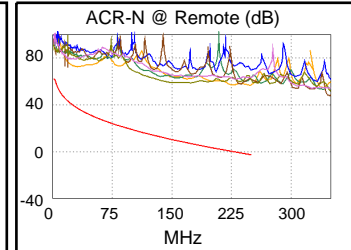
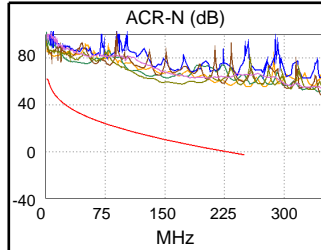
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	12-36
<b>NEXT (dB)</b>	20.5	21.1	24.2	24.9
Freq. (MHz)	3.3	3.9	232.5	249.0
Limit (dB)	64.5	63.3	33.7	33.1
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	19.7	21.5	24.9	24.6
Freq. (MHz)	3.4	3.5	250.0	235.0
Limit (dB)	61.7	61.5	30.2	30.6



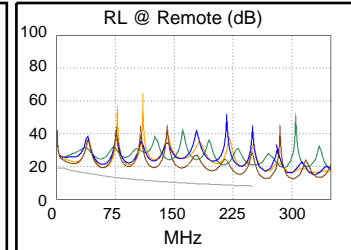
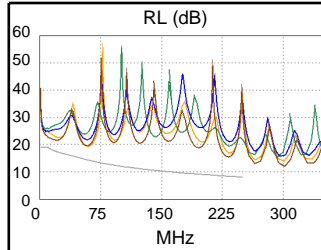
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
<b>ACR-F (dB)</b>	27.3	27.2	27.4	27.2
Freq. (MHz)	234.5	236.0	236.0	236.0
Limit (dB)	15.9	15.8	15.8	15.8
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	28.1	28.2	28.1	28.2
Freq. (MHz)	237.0	240.0	237.0	240.0
Limit (dB)	12.8	12.7	12.8	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	12-36
<b>ACR-N (dB)</b>	23.9	24.4	57.3	59.2
Freq. (MHz)	3.0	2.8	232.5	249.0
Limit (dB)	61.5	61.6	-0.8	-2.7
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	23.3	25.1	59.4	57.8
Freq. (MHz)	3.4	2.8	250.0	235.0
Limit (dB)	58.0	58.6	-5.8	-4.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	3.7	4.2	7.1	6.9
Freq. (MHz)	10.6	18.5	232.5	234.5
Limit (dB)	18.9	17.7	8.3	8.3



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: 69066-3**

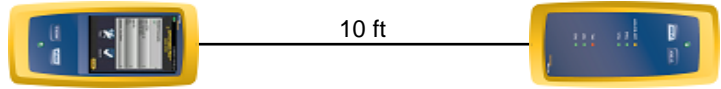
Date / Time: 09/11/2018 07:09:55 PM  
**Headroom 21.2 dB (NEXT 36-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V5.4 Build 1  
 Limits Version: V6.2  
 Calibration Start Date:  
 Main (Module): 04/06/2018  
 Remote (Module): 04/06/2018

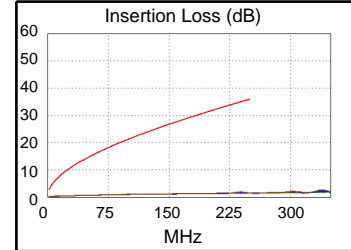
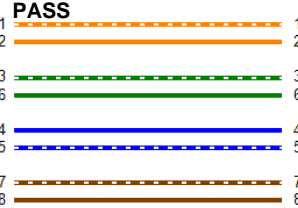
**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 18020118  
 Remote S/N: 17480513  
 Main Adapter: DSX-CHA004  
 Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 45]	0.72
Insertion Loss Margin (dB)	[Pair 12]	33.5
Frequency (MHz)	[Pair 12]	242.5
Limit (dB)	[Pair 12]	35.3

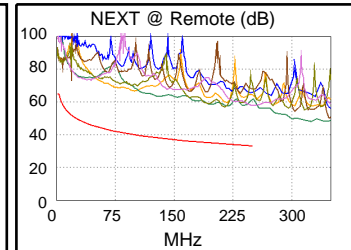
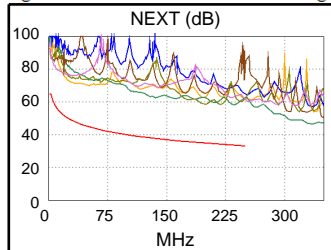


Wire Map (T568B)

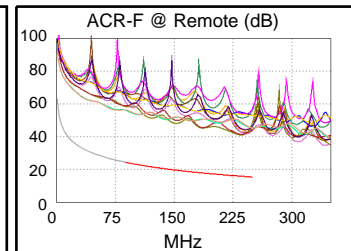
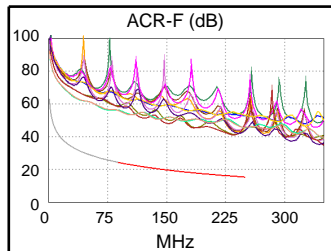


Worst Case Margin Worst Case Value

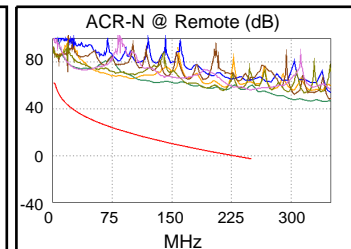
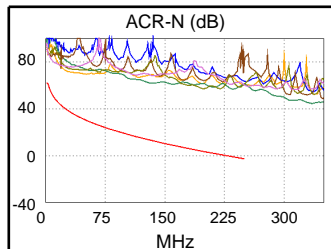
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	12-45	36-78
<b>NEXT (dB)</b>	22.3	21.2	24.8	22.7
Freq. (MHz)	5.3	3.1	236.5	214.5
Limit (dB)	61.1	64.8	33.5	34.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	21.9	20.4	25.3	23.9
Freq. (MHz)	3.4	3.1	219.5	216.5
Limit (dB)	61.7	62.0	31.1	31.2



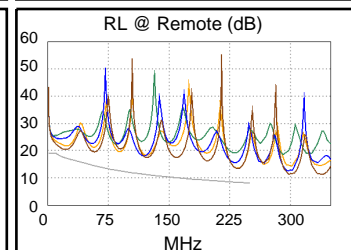
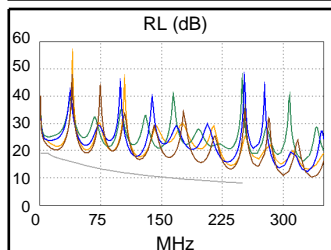
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	25.1	25.0	25.2	25.1
Freq. (MHz)	234.5	234.5	236.0	236.0
Limit (dB)	15.9	15.9	15.8	15.8
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	24.6	25.6	24.6	25.7
Freq. (MHz)	238.0	237.0	238.0	240.0
Limit (dB)	12.7	12.8	12.7	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	12-45	36-78
<b>ACR-N (dB)</b>	25.8	24.6	58.0	54.3
Freq. (MHz)	2.9	3.0	236.5	214.5
Limit (dB)	61.6	61.5	-1.3	1.4
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	25.3	23.9	57.2	55.6
Freq. (MHz)	2.9	3.1	219.5	216.5
Limit (dB)	58.6	58.4	-2.1	-1.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	12
<b>RL (dB)</b>	2.5	2.9	4.9	5.1
Freq. (MHz)	16.1	20.4	236.0	235.5
Limit (dB)	18.0	17.5	8.3	8.3



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: 69066-4**

Date / Time: 09/11/2018 07:10:47 PM

Headroom 21.1 dB (NEXT 36-78)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V5.4 Build 1

Limits Version: V6.2

Calibration Start Date:

Main (Module): 04/06/2018

Remote (Module): 04/06/2018

**Test Summary: PASS**

Model: DSX-5000

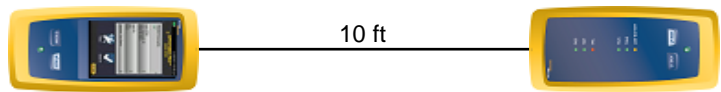
Main S/N: 18020118

Remote S/N: 17480513

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

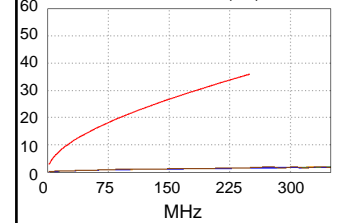
Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 45]	0.76
Insertion Loss Margin (dB)	[Pair 78]	33.6
Frequency (MHz)	[Pair 78]	243.0
Limit (dB)	[Pair 78]	35.3



Wire Map (T568B)

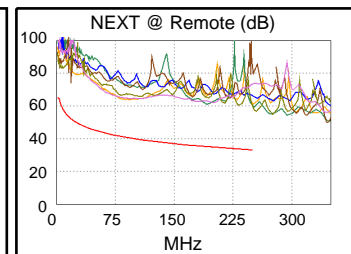
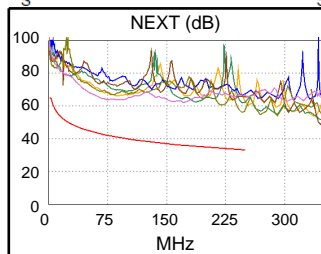


Insertion Loss (dB)

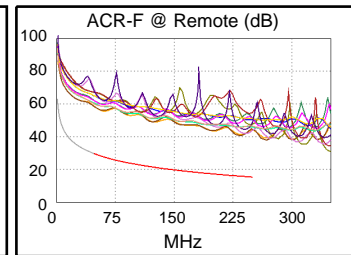
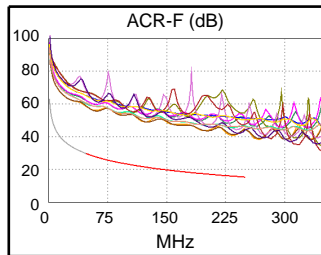


Worst Case Margin Worst Case Value

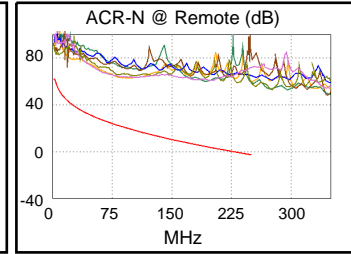
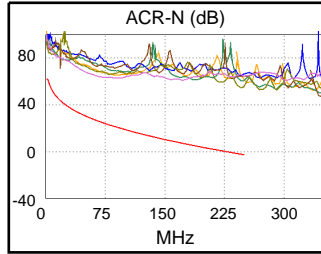
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
<b>NEXT (dB)</b>	21.1	21.1	22.7	26.8
Freq. (MHz)	3.4	3.0	247.0	250.0
Limit (dB)	64.2	65.0	33.2	33.1
Worst Pair	36	36	36	12
<b>PS NEXT (dB)</b>	20.6	20.4	24.8	27.1
Freq. (MHz)	3.4	3.9	247.0	250.0
Limit (dB)	61.7	60.8	30.2	30.2



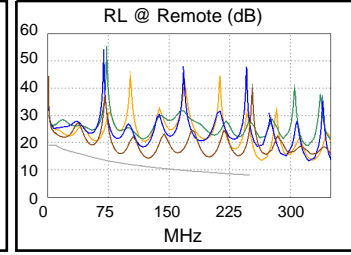
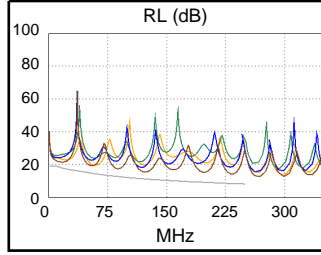
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
<b>ACR-F (dB)</b>	24.8	24.8	24.9	24.9
Freq. (MHz)	234.5	234.5	235.0	235.0
Limit (dB)	15.9	15.9	15.8	15.8
Worst Pair	36	12	36	36
<b>PS ACR-F (dB)</b>	25.6	26.8	25.6	26.9
Freq. (MHz)	238.0	233.5	238.0	238.5
Limit (dB)	12.7	12.9	12.7	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
<b>ACR-N (dB)</b>	24.7	24.5	56.9	61.3
Freq. (MHz)	3.4	3.0	247.0	250.0
Limit (dB)	60.5	61.5	-2.5	-2.8
Worst Pair	36	36	36	12
<b>PS ACR-N (dB)</b>	24.2	24.3	58.9	61.8
Freq. (MHz)	3.4	3.9	247.0	250.0
Limit (dB)	58.0	56.8	-5.4	-5.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	3.1	3.2	5.9	3.3
Freq. (MHz)	11.6	124.0	234.5	125.0
Limit (dB)	18.7	11.1	8.3	11.0



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: 69066-5**

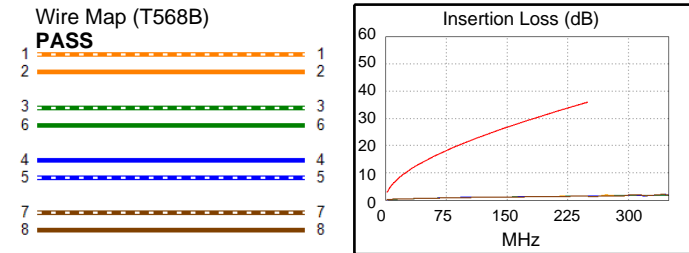
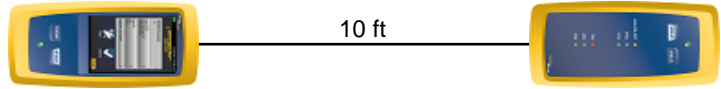
Date / Time: 09/11/2018 07:04:45 PM  
**Headroom 21.0 dB (NEXT 45-78)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V5.4 Build 1  
 Limits Version: V6.2  
 Calibration Start Date:  
 Main (Module): 04/06/2018  
 Remote (Module): 04/06/2018

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 18020118  
 Remote S/N: 17480513  
 Main Adapter: DSX-CHA004  
 Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 45]	0.72
Insertion Loss Margin (dB)	[Pair 12]	34.0
Frequency (MHz)	[Pair 12]	245.5
Limit (dB)	[Pair 12]	35.6



Worst Case Margin Worst Case Value

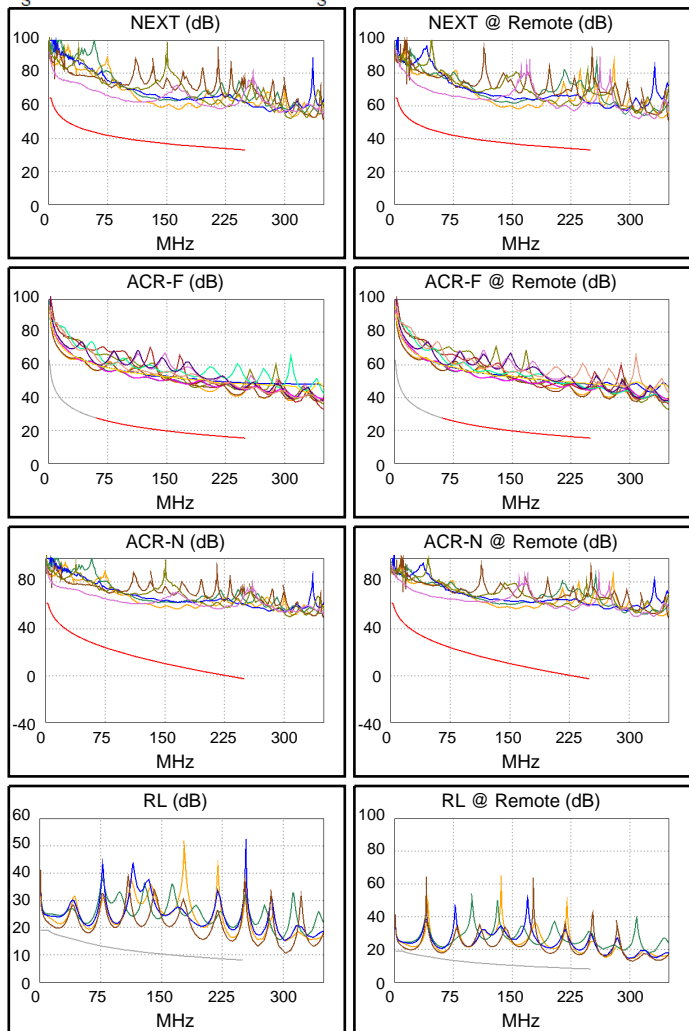
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	12-36	45-78
<b>NEXT (dB)</b>	21.0	21.6	21.9	23.1
Freq. (MHz)	4.0	134.0	168.0	229.0
Limit (dB)	63.0	37.8	36.1	33.8
Worst Pair	45	36	78	78
<b>PS NEXT (dB)</b>	20.9	21.4	25.0	24.1
Freq. (MHz)	7.8	3.5	225.0	229.0
Limit (dB)	55.8	61.5	31.0	30.8

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
<b>ACR-F (dB)</b>	25.2	25.0	25.3	25.1
Freq. (MHz)	240.0	240.0	241.0	241.0
Limit (dB)	15.7	15.7	15.6	15.6
Worst Pair	36	12	36	12
<b>PS ACR-F (dB)</b>	25.8	26.4	25.8	26.4
Freq. (MHz)	242.0	241.0	242.0	241.0
Limit (dB)	12.6	12.6	12.6	12.6

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	45-78
<b>ACR-N (dB)</b>	24.7	25.1	55.9	56.0
Freq. (MHz)	3.0	2.9	218.5	229.0
Limit (dB)	61.5	61.6	0.9	-0.4
Worst Pair	45	36	78	78
<b>PS ACR-N (dB)</b>	25.0	25.1	57.5	56.9
Freq. (MHz)	3.3	3.5	225.0	229.0
Limit (dB)	58.4	57.7	-2.8	-3.3

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	2.3	2.2	6.8	8.3
Freq. (MHz)	20.4	19.4	237.5	236.5
Limit (dB)	17.5	17.6	8.2	8.3

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: 69066-6**

Date / Time: 09/11/2018 07:04:57 PM

Headroom 20.6 dB (NEXT 36-78)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V5.4 Build 1

Limits Version: V6.2

Calibration Start Date:

Main (Module): 04/06/2018

Remote (Module): 04/06/2018

**Test Summary: PASS**

Model: DSX-5000

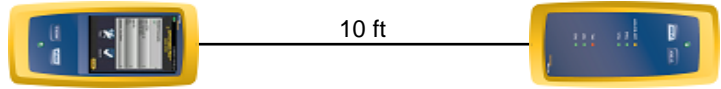
Main S/N: 18020118

Remote S/N: 17480513

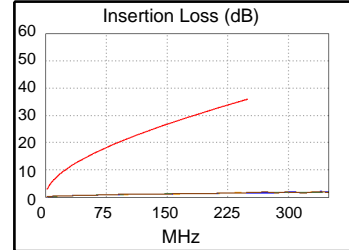
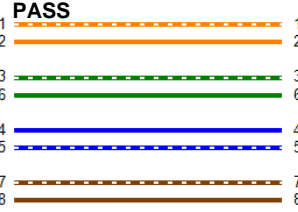
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 45]	0.72
Insertion Loss Margin (dB)	[Pair 12]	33.7
Frequency (MHz)	[Pair 12]	242.0
Limit (dB)	[Pair 12]	35.3

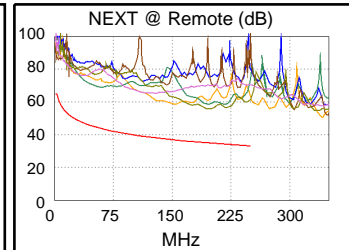
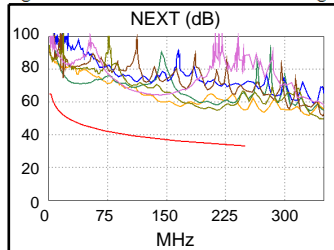


Wire Map (T568B)

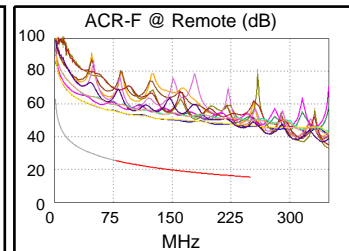
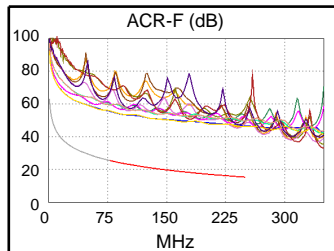


Worst Case Margin Worst Case Value

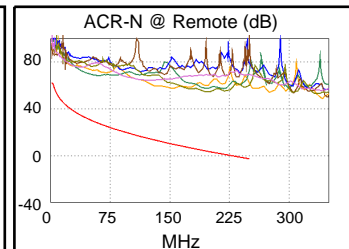
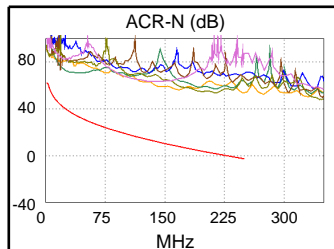
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
<b>NEXT (dB)</b>	20.6	20.8	20.6	20.8
Freq. (MHz)	213.0	196.0	213.0	196.0
Limit (dB)	34.3	34.9	34.3	34.9
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	20.8	22.0	23.0	22.6
Freq. (MHz)	3.4	3.4	216.5	196.0
Limit (dB)	61.7	61.7	31.2	32.0



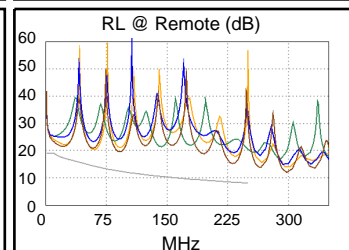
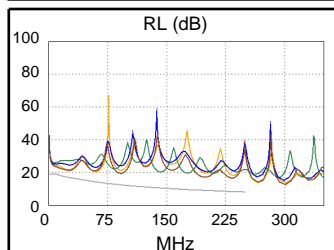
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	78-36
<b>ACR-F (dB)</b>	29.2	29.2	29.7	29.8
Freq. (MHz)	30.9	31.3	241.5	241.5
Limit (dB)	33.5	33.4	15.6	15.6
Worst Pair	45	12	78	12
<b>PS ACR-F (dB)</b>	28.8	29.5	29.7	30.3
Freq. (MHz)	1.0	1.0	241.5	241.5
Limit (dB)	60.3	60.3	12.6	12.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-78
<b>ACR-N (dB)</b>	24.9	25.3	56.4	51.2
Freq. (MHz)	2.4	1.6	250.0	200.0
Limit (dB)	61.9	62.0	-2.8	3.3
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	24.4	25.0	58.7	52.5
Freq. (MHz)	3.4	2.4	250.0	196.0
Limit (dB)	58.0	58.9	-5.8	0.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	4.0	4.0	8.3	6.9
Freq. (MHz)	24.1	20.4	234.5	232.5
Limit (dB)	17.1	17.5	8.3	8.3



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		