

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
P8-071 CAT6 UTP 3 prons TEST-1	PASS	TIA Cat 6 Channel	1.0 m	16.8 dB (NEXT)	12/20/2018 10:46 AM
P8-071 CAT6 UTP 3 prons TEST-2	PASS	TIA Cat 6 Channel	1.0 m	16.0 dB (NEXT)	12/20/2018 10:49 AM
P8-071 CAT6 UTP 3 prons TEST-3	PASS	TIA Cat 6 Channel	1.0 m	15.0 dB (NEXT)	12/20/2018 11:12 AM
P8-071 CAT6 UTP 3 prons TEST-4	PASS	TIA Cat 6 Channel	1.0 m	16.3 dB (NEXT)	12/20/2018 11:17 AM
P8-071 CAT6 UTP 3 prons TEST-5	PASS	TIA Cat 6 Channel	1.0 m	16.3 dB (NEXT)	12/20/2018 11:20 AM
P8-071 CAT6 UTP 3 prons TEST-6	PASS	TIA Cat 6 Channel	1.0 m	14.4 dB (NEXT)	12/20/2018 11:26 AM
P8-071 CAT6 UTP 3 prons TEST-7	PASS	TIA Cat 6 Channel	1.0 m	15.5 dB (NEXT)	12/20/2018 11:35 AM
P8-071 CAT6 UTP 3 prons TEST-8	PASS	TIA Cat 6 Channel	1.0 m	15.7 dB (NEXT)	12/20/2018 11:42 AM
P8-071 CAT6 UTP 3 prons TEST-9	PASS	TIA Cat 6 Channel	1.0 m	15.5 dB (NEXT)	12/20/2018 11:45 AM
P8-071 CAT6 UTP 3 prons TEST-10	PASS	TIA Cat 6 Channel	1.0 m	14.9 dB (NEXT)	12/20/2018 11:47 AM

Total Length:	10.0 m
Number of Reports:	10
Number of Passing Reports:	10
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



### Cable ID: P8-071 CAT6 UTP 3 prons TEST-1

Date / Time: 12/20/2018 10:46:42 AM

Headroom 16.8 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V6.0 Build 6

Limits Version: V7.0

Calibration Date:

Main (Module): 09/07/2018

Remote (Module): 09/07/2018

### Test Summary: PASS

Model: DSX-8000

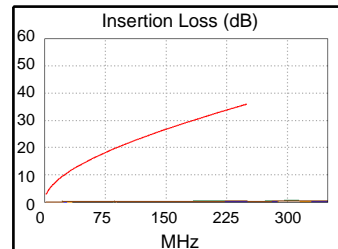
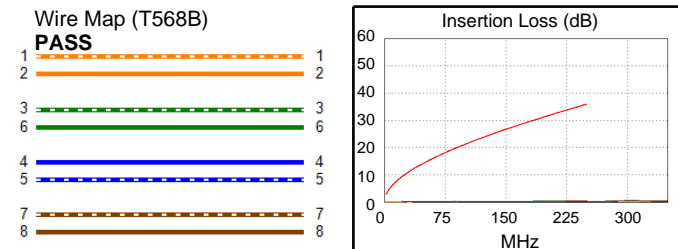
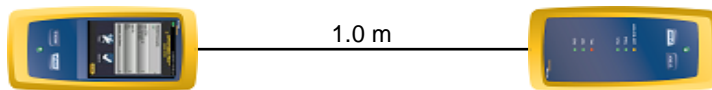
Main S/N: 1707014

Remote S/N: 1707027

Main Adapter: DSX-CHA804

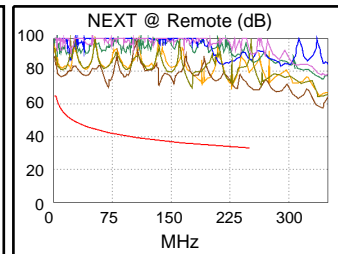
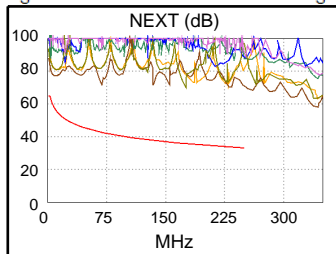
Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.01
Insertion Loss Margin (dB)	[Pair 36]	33.5
Frequency (MHz)	[Pair 36]	225.5
Limit (dB)	[Pair 36]	33.8

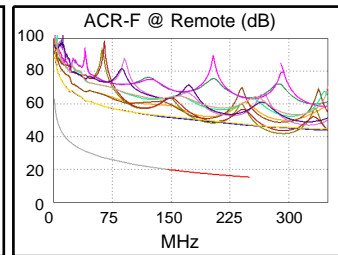
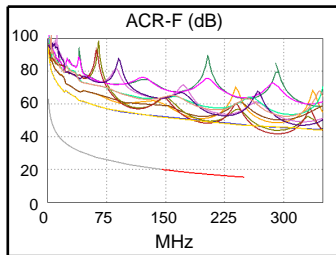


Worst Case Margin Worst Case Value

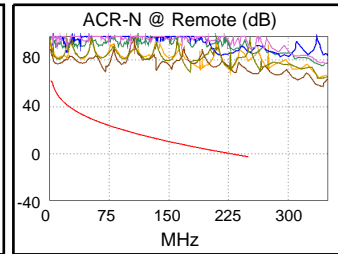
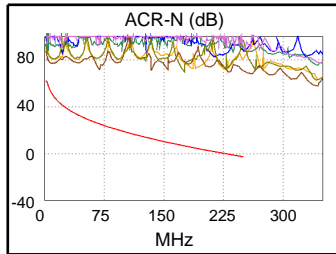
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	16.8	17.1	36.4	35.9
Freq. (MHz)	3.3	5.0	232.0	234.5
Limit (dB)	64.5	61.5	33.7	33.6
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	17.7	18.1	36.7	36.5
Freq. (MHz)	3.3	5.0	231.0	228.5
Limit (dB)	62.0	59.0	30.8	30.8



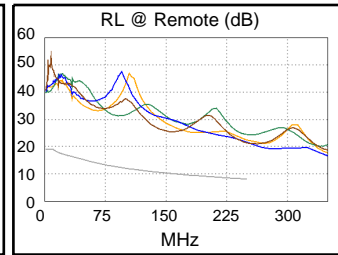
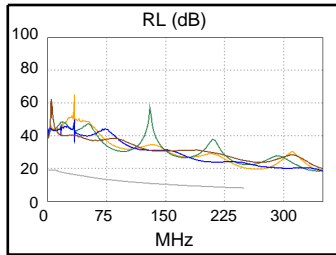
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	78-12	12-78
<b>ACR-F (dB)</b>	30.6	30.6	31.7	31.6
Freq. (MHz)	21.1	21.1	250.0	250.0
Limit (dB)	36.8	36.8	15.3	15.3
Worst Pair	12	36	36	78
<b>PS ACR-F (dB)</b>	30.6	31.5	32.0	34.0
Freq. (MHz)	1.1	1.0	206.0	250.0
Limit (dB)	59.2	60.3	14.0	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	20.4	21.6	70.6	70.3
Freq. (MHz)	3.3	5.0	232.0	234.5
Limit (dB)	60.9	57.0	-0.7	-1.0
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	21.3	22.6	70.8	70.3
Freq. (MHz)	3.3	5.0	231.0	228.5
Limit (dB)	58.4	54.5	-3.5	-3.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	78	12	78
<b>RL (dB)</b>	12.5	13.4	12.5	13.4
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	8.0	8.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-2**

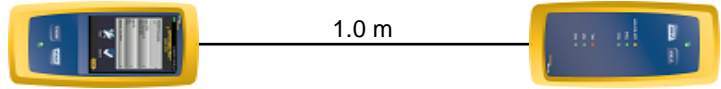
Date / Time: 12/20/2018 10:49:28 AM  
**Headroom 16.0 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V6.0 Build 6  
 Limits Version: V7.0  
 Calibration Date:  
 Main (Module): 09/07/2018  
 Remote (Module): 09/07/2018

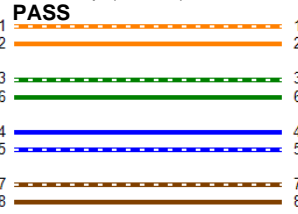
**Test Summary: PASS**

Model: DSX-8000  
 Main S/N: 1707014  
 Remote S/N: 1707027  
 Main Adapter: DSX-CHA804  
 Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 12]	34.8
Frequency (MHz)	[Pair 12]	240.5
Limit (dB)	[Pair 12]	35.1

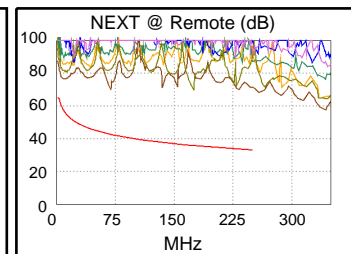
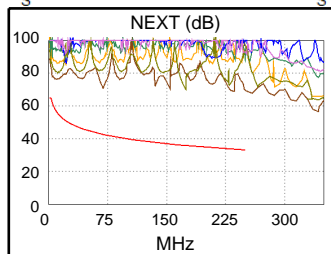


Wire Map (T568B)

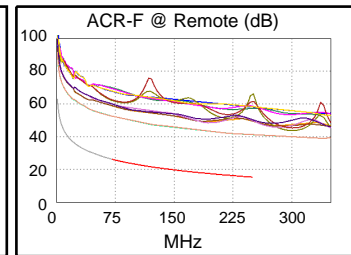
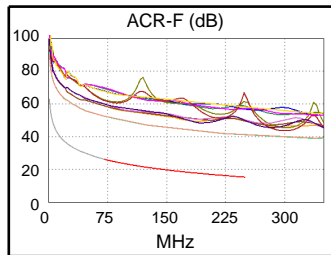


Worst Case Margin Worst Case Value

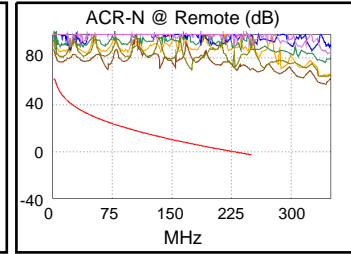
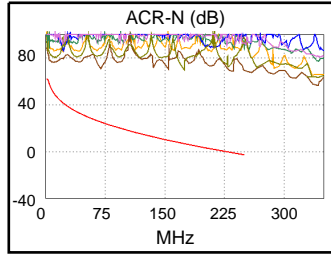
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	16.0	17.2	35.5	36.1
Freq. (MHz)	4.6	5.5	236.0	232.0
Limit (dB)	62.0	60.8	33.5	33.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	17.4	18.3	37.4	37.6
Freq. (MHz)	4.6	5.3	231.5	230.5
Limit (dB)	59.5	58.6	30.7	30.8



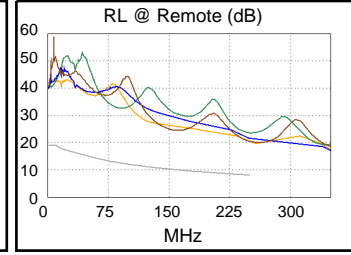
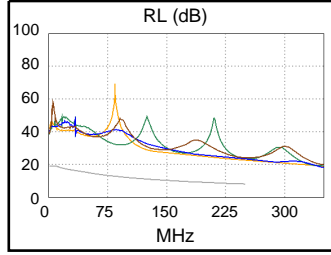
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-F (dB)</b>	25.5	25.6	26.3	26.1
Freq. (MHz)	224.0	226.5	249.5	242.5
Limit (dB)	16.3	16.2	15.3	15.6
Worst Pair	78	45	78	78
<b>PS ACR-F (dB)</b>	27.9	27.7	28.7	28.8
Freq. (MHz)	4.9	1.3	250.0	250.0
Limit (dB)	46.5	58.3	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	20.0	21.5	70.0	70.3
Freq. (MHz)	3.4	3.6	236.0	232.0
Limit (dB)	60.5	59.9	-1.2	-0.7
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	21.7	22.9	71.5	71.7
Freq. (MHz)	4.6	5.3	231.5	230.5
Limit (dB)	55.2	54.0	-3.6	-3.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	78	12	78
<b>RL (dB)</b>	14.6	12.3	14.7	12.3
Freq. (MHz)	248.0	250.0	250.0	250.0
Limit (dB)	8.1	8.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-3**

Date / Time: 12/20/2018 11:12:26 AM

Headroom 15.0 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V6.0 Build 6

Limits Version: V7.0

Calibration Date:

Main (Module): 09/07/2018

Remote (Module): 09/07/2018

**Test Summary: PASS**

Model: DSX-8000

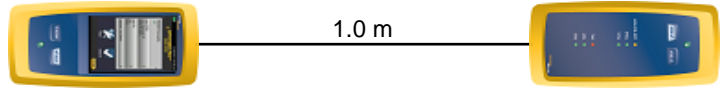
Main S/N: 1707014

Remote S/N: 1707027

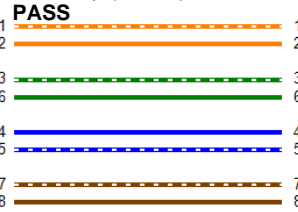
Main Adapter: DSX-CHA804

Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.01
Insertion Loss Margin (dB)	[Pair 36]	34.4
Frequency (MHz)	[Pair 36]	235.5
Limit (dB)	[Pair 36]	34.7

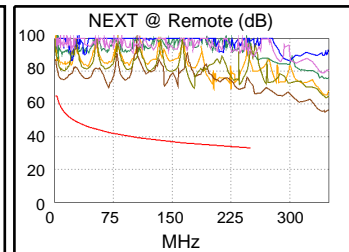
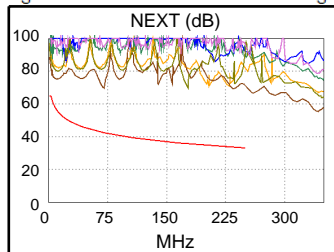


Wire Map (T568B)

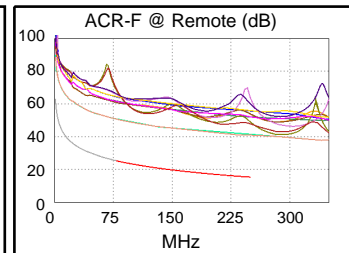
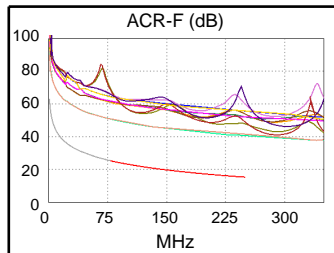


Worst Case Margin Worst Case Value

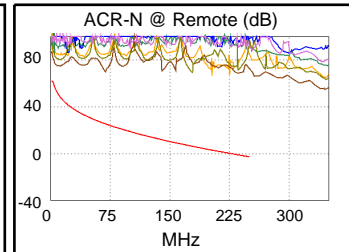
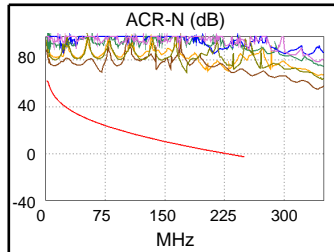
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	15.0	15.6	35.3	35.3
Freq. (MHz)	3.0	5.1	236.0	235.0
Limit (dB)	65.0	61.3	33.5	33.6
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	16.6	16.9	36.4	36.2
Freq. (MHz)	4.0	5.1	236.5	236.0
Limit (dB)	60.5	58.8	30.6	30.6



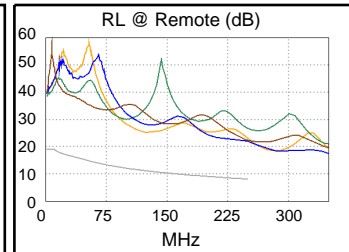
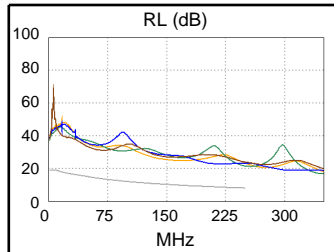
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-F (dB)</b>	25.0	24.9	25.7	25.7
Freq. (MHz)	224.0	226.5	250.0	250.0
Limit (dB)	16.3	16.2	15.3	15.3
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	26.8	26.6	27.7	27.8
Freq. (MHz)	216.0	1.0	250.0	250.0
Limit (dB)	13.6	60.3	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	18.5	20.1	69.8	69.8
Freq. (MHz)	3.0	5.1	236.0	235.0
Limit (dB)	61.5	56.8	-1.2	-1.1
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	20.4	21.5	71.0	70.6
Freq. (MHz)	3.4	5.1	236.5	235.5
Limit (dB)	58.0	54.2	-4.2	-4.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
<b>RL (dB)</b>	13.4	13.9	13.4	13.9
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	8.0	8.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-4**

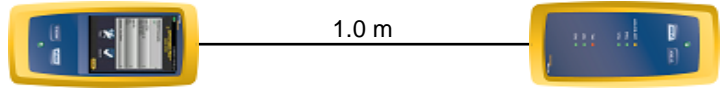
Date / Time: 12/20/2018 11:17:02 AM  
**Headroom 16.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V6.0 Build 6  
 Limits Version: V7.0  
 Calibration Date:  
 Main (Module): 09/07/2018  
 Remote (Module): 09/07/2018

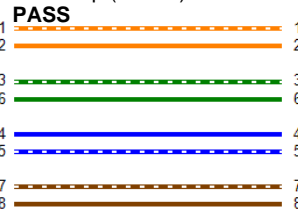
**Test Summary: PASS**

Model: DSX-8000  
 Main S/N: 1707014  
 Remote S/N: 1707027  
 Main Adapter: DSX-CHA804  
 Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 36]	34.3
Frequency (MHz)	[Pair 36]	234.5
Limit (dB)	[Pair 36]	34.6

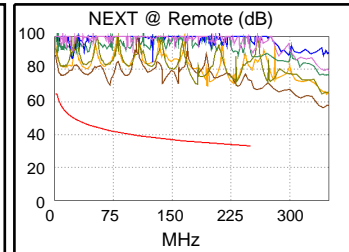
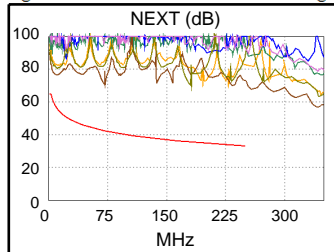


Wire Map (T568B)

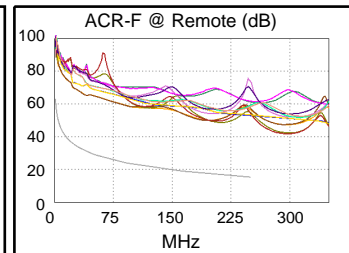
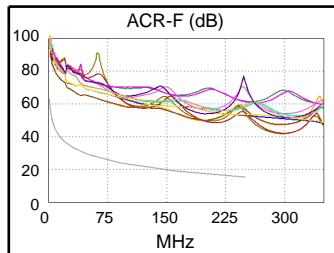


Worst Case Margin Worst Case Value

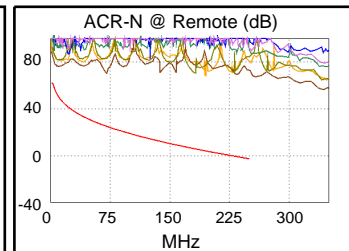
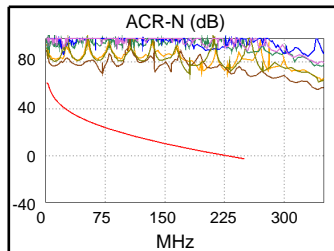
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	16.3	17.0	36.1	35.9
Freq. (MHz)	4.4	5.3	234.0	234.5
Limit (dB)	62.4	61.1	33.6	33.6
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	17.5	17.8	36.5	36.4
Freq. (MHz)	4.4	5.1	234.0	232.0
Limit (dB)	59.9	58.8	30.7	30.7



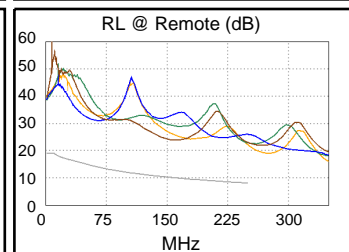
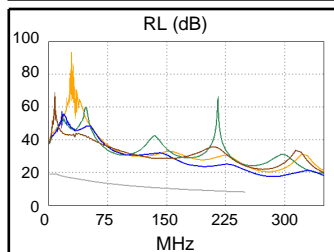
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	31.8	31.9	32.0	32.1
Freq. (MHz)	211.5	211.5	215.0	215.0
Limit (dB)	16.8	16.8	16.6	16.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	31.6	32.2	31.9	32.3
Freq. (MHz)	203.5	201.5	209.5	204.0
Limit (dB)	14.1	14.2	13.8	14.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	20.5	21.6	70.5	70.3
Freq. (MHz)	4.4	5.3	234.0	234.5
Limit (dB)	58.2	56.5	-1.0	-1.0
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	21.5	22.4	70.8	70.5
Freq. (MHz)	3.3	5.1	234.0	232.0
Limit (dB)	58.4	54.2	-3.9	-3.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	12
<b>RL (dB)</b>	13.5	13.8	13.5	14.1
Freq. (MHz)	250.0	159.0	250.0	250.0
Limit (dB)	8.0	10.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-5**

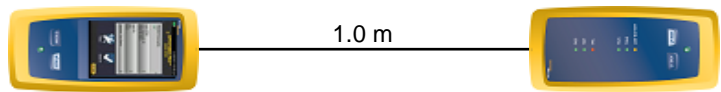
Date / Time: 12/20/2018 11:20:54 AM  
**Headroom 16.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V6.0 Build 6  
 Limits Version: V7.0  
 Calibration Date:  
 Main (Module): 09/07/2018  
 Remote (Module): 09/07/2018

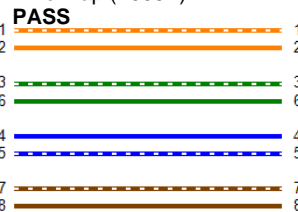
**Test Summary: PASS**

Model: DSX-8000  
 Main S/N: 1707014  
 Remote S/N: 1707027  
 Main Adapter: DSX-CHA804  
 Remote Adapter: DSX-CHA804

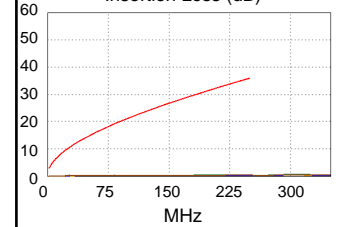
Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 36]	34.5
Frequency (MHz)	[Pair 36]	236.5
Limit (dB)	[Pair 36]	34.8



Wire Map (T568B)

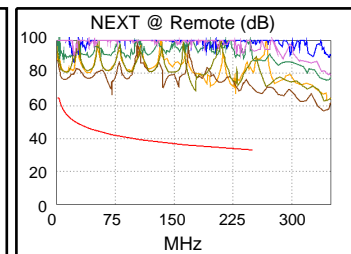
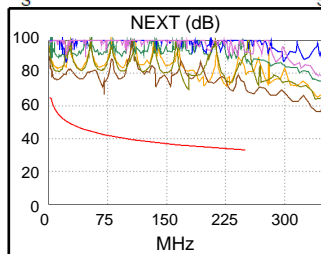


Insertion Loss (dB)

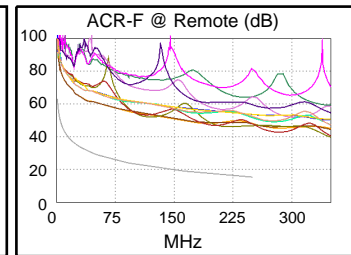
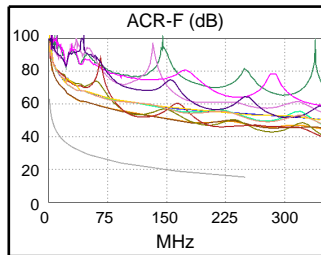


Worst Case Margin Worst Case Value

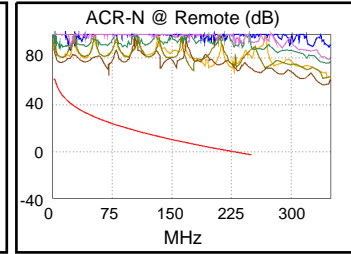
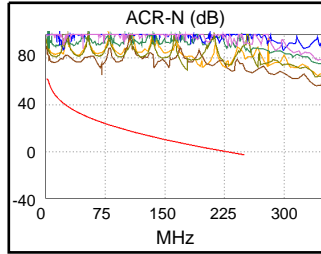
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	16.3	17.0	35.4	35.6
Freq. (MHz)	4.0	5.8	234.0	232.5
Limit (dB)	63.0	60.5	33.6	33.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	17.6	17.6	36.2	36.3
Freq. (MHz)	4.0	5.8	231.0	232.5
Limit (dB)	60.5	58.0	30.8	30.7



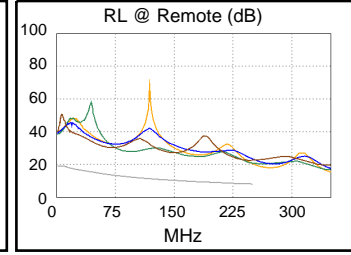
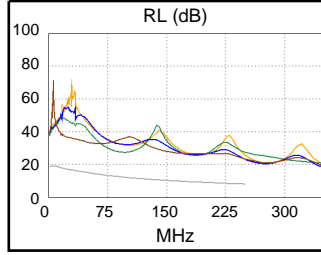
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	29.4	29.5	29.6	29.7
Freq. (MHz)	213.5	213.5	220.5	220.5
Limit (dB)	16.7	16.7	16.4	16.4
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	30.4	30.0	30.7	30.3
Freq. (MHz)	211.5	195.0	218.0	203.0
Limit (dB)	13.8	14.5	13.5	14.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	20.3	21.5	69.8	69.9
Freq. (MHz)	4.0	5.1	234.0	232.5
Limit (dB)	59.0	56.8	-1.0	-0.8
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	21.6	22.2	70.2	70.4
Freq. (MHz)	4.0	5.1	231.0	232.5
Limit (dB)	56.5	54.2	-3.5	-3.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	45	12
<b>RL (dB)</b>	15.1	12.4	15.1	12.4
Freq. (MHz)	93.8	250.0	250.0	250.0
Limit (dB)	12.3	8.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-6

Date / Time: 12/20/2018 11:26:35 AM

Headroom 14.4 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V6.0 Build 6

Limits Version: V7.0

Calibration Date:

Main (Module): 09/07/2018

Remote (Module): 09/07/2018

### Test Summary: PASS

Model: DSX-8000

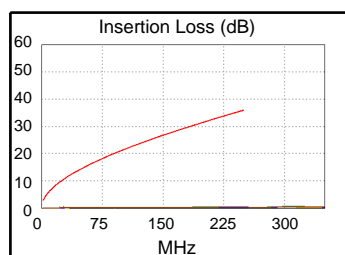
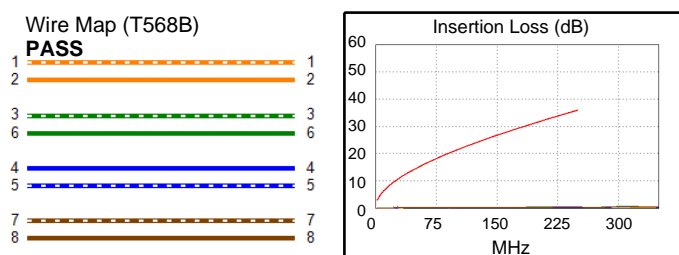
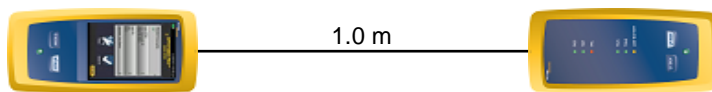
Main S/N: 1707014

Remote S/N: 1707027

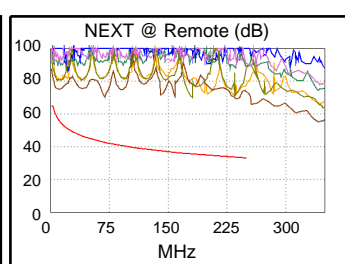
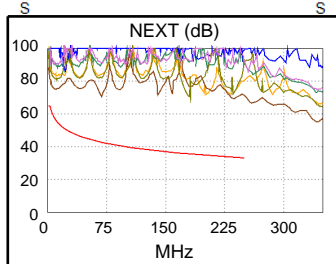
Main Adapter: DSX-CHA804

Remote Adapter: DSX-CHA804

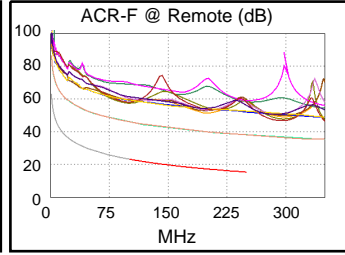
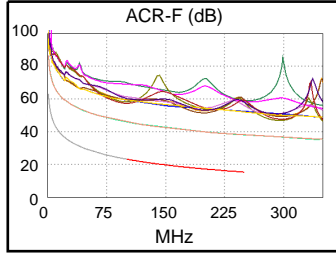
Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 36]	34.7
Frequency (MHz)	[Pair 36]	238.5
Limit (dB)	[Pair 36]	35.0



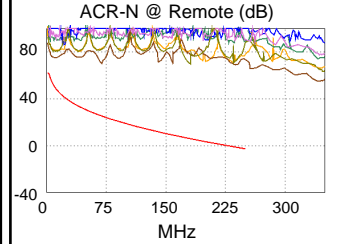
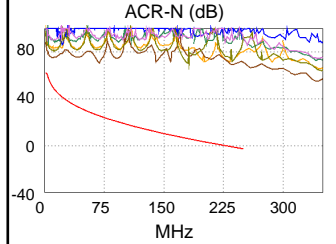
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	14.4	15.9	35.8	35.8
Freq. (MHz)	3.1	5.1	237.0	237.5
Limit (dB)	64.8	61.3	33.5	33.5
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	16.1	16.9	35.8	35.6
Freq. (MHz)	3.1	5.1	236.0	236.0
Limit (dB)	62.0	58.8	30.6	30.6



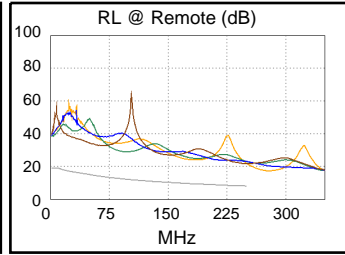
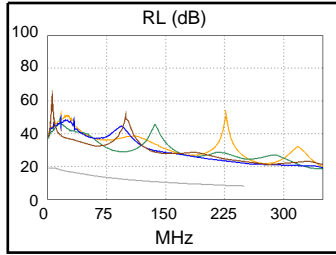
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-F (dB)</b>	22.5	22.5	23.0	23.0
Freq. (MHz)	226.5	226.5	250.0	250.0
Limit (dB)	16.2	16.2	15.3	15.3
Worst Pair	78	45	78	78
<b>PS ACR-F (dB)</b>	25.1	25.2	25.7	25.8
Freq. (MHz)	4.5	4.5	250.0	250.0
Limit (dB)	47.2	47.2	12.3	12.3



	Worst Case Margin		Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	18.0	20.3	70.4	70.5
Freq. (MHz)	3.1	3.3	237.0	237.5
Limit (dB)	61.2	60.9	-1.3	-1.4
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	19.7	21.4	70.2	70.0
Freq. (MHz)	3.1	3.3	236.0	236.0
Limit (dB)	58.4	58.4	-4.1	-4.1



	Worst Case Margin		Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	13.9	13.6	13.9	13.6
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	8.0	8.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-7**

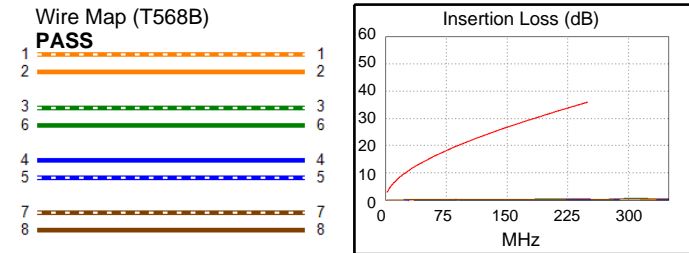
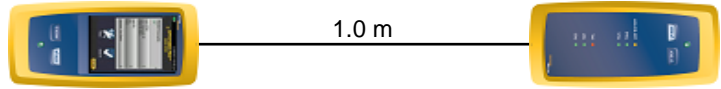
Date / Time: 12/20/2018 11:35:11 AM  
**Headroom 15.5 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V6.0 Build 6  
 Limits Version: V7.0  
 Calibration Date:  
 Main (Module): 09/07/2018  
 Remote (Module): 09/07/2018

**Test Summary: PASS**

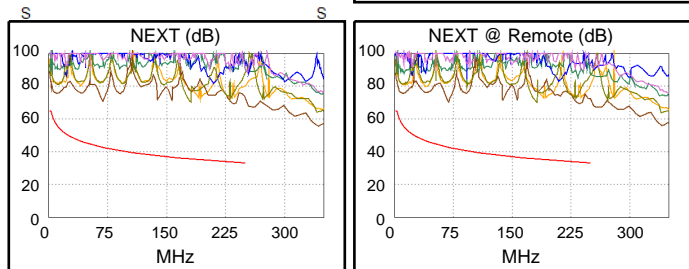
Model: DSX-8000  
 Main S/N: 1707014  
 Remote S/N: 1707027  
 Main Adapter: DSX-CHA804  
 Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.02
Insertion Loss Margin (dB)	[Pair 36]	34.5
Frequency (MHz)	[Pair 36]	237.0
Limit (dB)	[Pair 36]	34.8

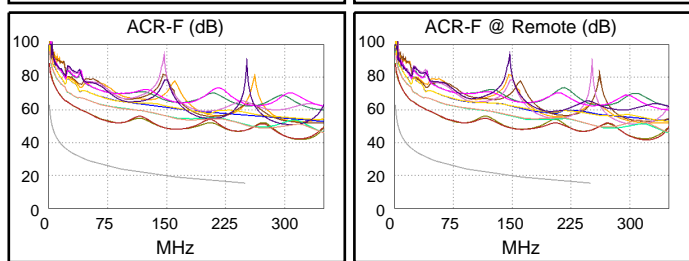


Worst Case Margin Worst Case Value

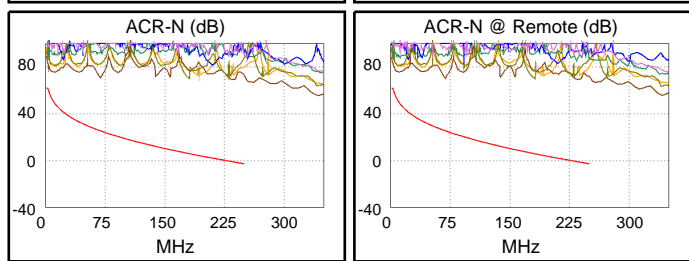
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	15.5	16.4	35.4	35.5
Freq. (MHz)	3.4	5.0	235.5	234.5
Limit (dB)	64.2	61.5	33.6	33.6
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	16.9	17.3	36.0	36.4
Freq. (MHz)	3.4	5.0	233.5	234.5
Limit (dB)	61.7	59.0	30.7	30.6



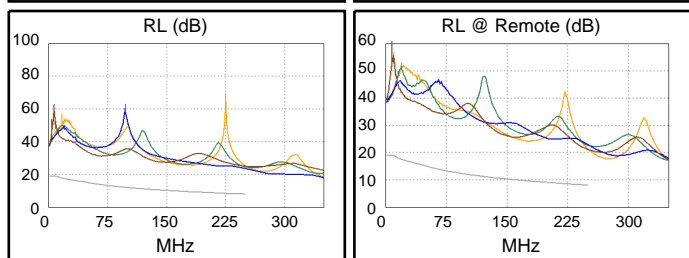
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
<b>ACR-F (dB)</b>	27.2	27.2	31.5	31.5
Freq. (MHz)	76.8	76.8	243.0	243.0
Limit (dB)	25.6	25.6	15.5	15.5
Worst Pair	45	36	45	45
<b>PS ACR-F (dB)</b>	26.9	26.9	33.3	33.3
Freq. (MHz)	1.0	1.0	247.5	247.5
Limit (dB)	60.3	60.3	12.4	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	19.2	20.9	69.9	69.9
Freq. (MHz)	3.4	5.0	235.5	234.5
Limit (dB)	60.5	57.0	-1.1	-1.0
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	20.6	21.8	70.2	70.7
Freq. (MHz)	3.4	5.0	233.5	234.5
Limit (dB)	58.0	54.5	-3.8	-4.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
<b>RL (dB)</b>	15.6	13.1	15.6	13.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	8.0	8.0	8.0	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: P8-071 CAT6 UTP 3 prons TEST-8**

Date / Time: 12/20/2018 11:42:27 AM

Headroom 15.7 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V6.0 Build 6

Limits Version: V7.0

Calibration Date:

Main (Module): 09/07/2018

Remote (Module): 09/07/2018

**Test Summary: PASS**

Model: DSX-8000

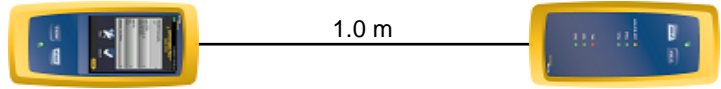
Main S/N: 1707014

Remote S/N: 1707027

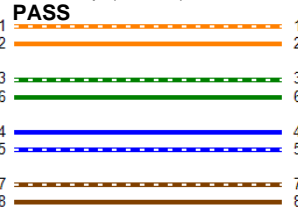
Main Adapter: DSX-CHA804

Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 36]	35.2
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	35.5

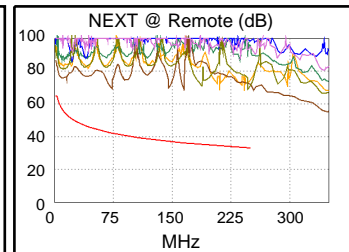
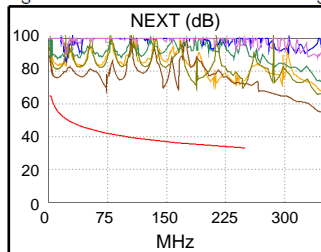


Wire Map (T568B)

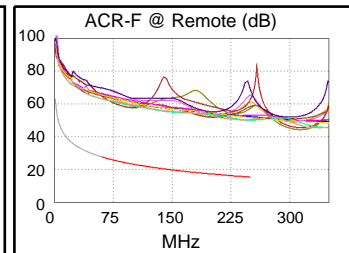
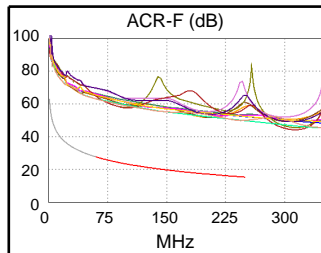


Worst Case Margin Worst Case Value

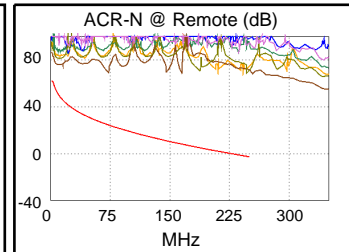
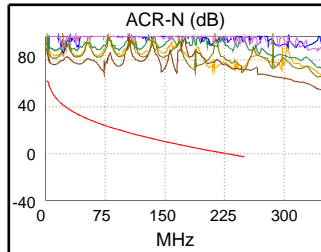
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	15.7	16.9	32.8	32.9
Freq. (MHz)	3.6	5.3	165.0	165.0
Limit (dB)	63.7	61.1	36.2	36.2
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	17.3	17.9	36.7	36.2
Freq. (MHz)	3.6	5.0	247.0	246.5
Limit (dB)	61.2	59.0	30.2	30.3



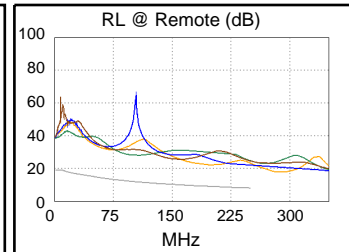
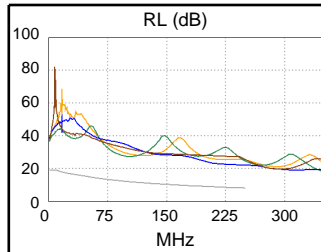
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-45	45-78
<b>ACR-F (dB)</b>	34.0	34.0	34.6	34.6
Freq. (MHz)	95.5	91.3	250.0	250.0
Limit (dB)	23.7	24.1	15.3	15.3
Worst Pair	12	45	45	45
<b>PS ACR-F (dB)</b>	31.1	29.7	34.9	34.7
Freq. (MHz)	1.1	1.0	237.0	237.5
Limit (dB)	59.2	60.3	12.8	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-78
<b>ACR-N (dB)</b>	19.5	21.4	60.9	71.2
Freq. (MHz)	3.6	5.1	165.0	246.5
Limit (dB)	59.9	56.8	8.0	-2.4
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	21.1	22.4	72.1	71.7
Freq. (MHz)	3.6	5.0	247.0	246.5
Limit (dB)	57.4	54.5	-5.4	-5.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	12
<b>RL (dB)</b>	14.0	13.1	14.3	13.2
Freq. (MHz)	226.0	201.5	250.0	203.0
Limit (dB)	8.5	9.0	8.0	8.9



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: P8-071 CAT6 UTP 3 prons TEST-9**

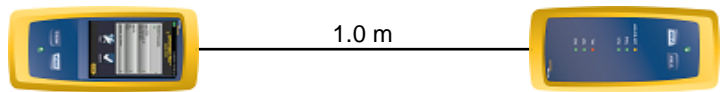
Date / Time: 12/20/2018 11:45:08 AM  
**Headroom 15.5 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 U/UTP  
 NVP: 69.0%

Software Version: V6.0 Build 6  
 Limits Version: V7.0  
 Calibration Date:  
 Main (Module): 09/07/2018  
 Remote (Module): 09/07/2018

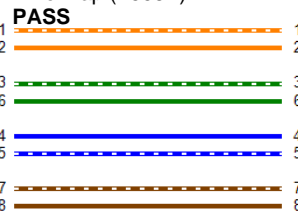
**Test Summary: PASS**

Model: DSX-8000  
 Main S/N: 1707014  
 Remote S/N: 1707027  
 Main Adapter: DSX-CHA804  
 Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 36]	34.5
Frequency (MHz)	[Pair 36]	236.5
Limit (dB)	[Pair 36]	34.8

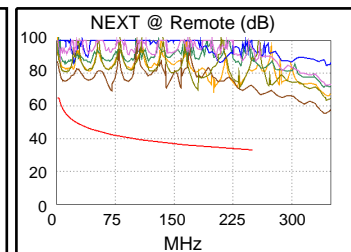
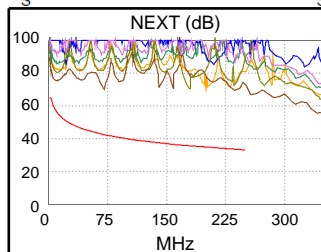


Wire Map (T568B)

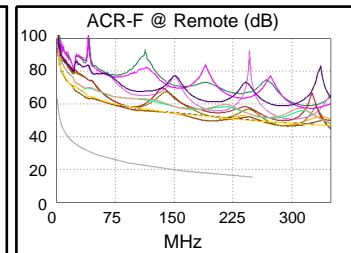
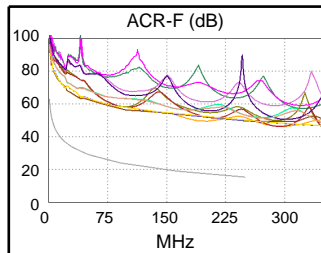


Worst Case Margin Worst Case Value

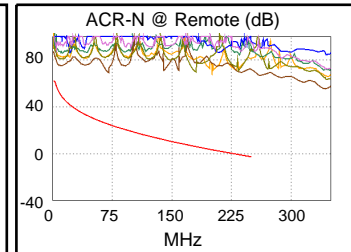
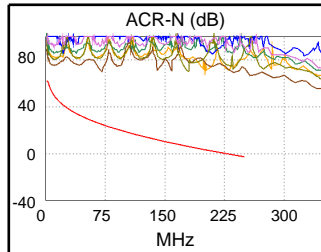
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	15.5	16.2	36.1	35.8
Freq. (MHz)	3.1	5.0	236.5	236.0
Limit (dB)	64.8	61.5	33.5	33.5
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	16.8	17.4	36.3	35.9
Freq. (MHz)	4.1	5.0	236.0	234.0
Limit (dB)	60.3	59.0	30.6	30.7



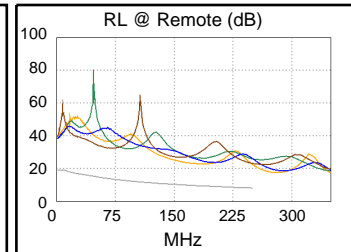
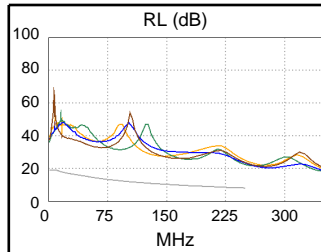
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
<b>ACR-F (dB)</b>	32.0	32.1	32.4	32.4
Freq. (MHz)	195.0	195.0	204.0	201.5
Limit (dB)	17.5	17.5	17.1	17.2
Worst Pair	45	45	36	12
<b>PS ACR-F (dB)</b>	30.5	29.4	33.0	33.3
Freq. (MHz)	1.0	1.0	207.5	201.5
Limit (dB)	60.3	60.3	13.9	14.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	19.1	20.7	70.7	70.3
Freq. (MHz)	3.1	5.0	236.5	236.0
Limit (dB)	61.2	57.0	-1.3	-1.2
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	20.6	21.9	70.8	70.2
Freq. (MHz)	3.6	5.0	236.0	234.0
Limit (dB)	57.4	54.5	-4.1	-3.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
<b>RL (dB)</b>	14.4	13.2	14.4	14.4
Freq. (MHz)	250.0	184.0	250.0	250.0
Limit (dB)	8.0	9.4	8.0	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: P8-071 CAT6 UTP 3 prons TEST-10**

Date / Time: 12/20/2018 11:47:42 AM

Headroom 14.9 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V6.0 Build 6

Limits Version: V7.0

Calibration Date:

Main (Module): 09/07/2018

Remote (Module): 09/07/2018

**Test Summary: PASS**

Model: DSX-8000

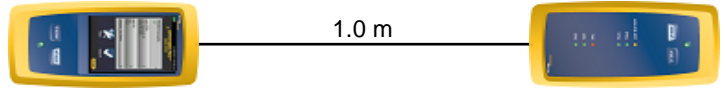
Main S/N: 1707014

Remote S/N: 1707027

Main Adapter: DSX-CHA804

Remote Adapter: DSX-CHA804

Length (m), Limit 100.0	[Pair 12]	1.0
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.02
Insertion Loss Margin (dB)	[Pair 36]	34.8
Frequency (MHz)	[Pair 36]	240.0
Limit (dB)	[Pair 36]	35.1



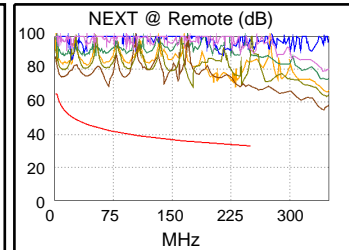
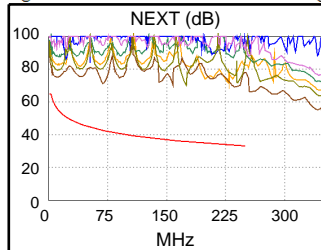
Wire Map (T568B)

**PASS**

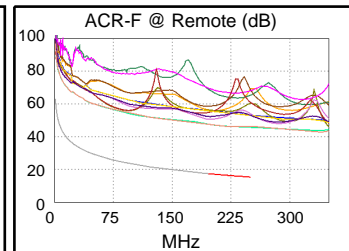
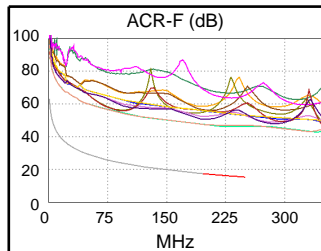


Worst Case Margin Worst Case Value

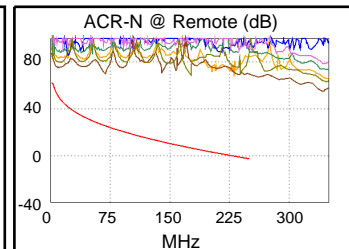
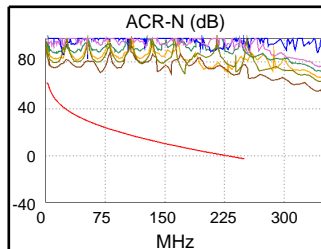
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	14.9	16.1	35.6	35.6
Freq. (MHz)	3.3	5.3	236.0	236.0
Limit (dB)	64.5	61.1	33.5	33.5
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	16.4	17.2	36.8	36.5
Freq. (MHz)	3.3	5.3	240.0	238.5
Limit (dB)	62.0	58.6	30.5	30.5



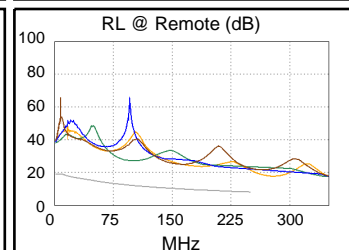
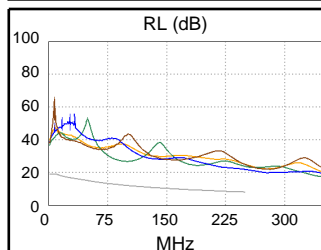
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
<b>ACR-F (dB)</b>	29.9	29.9	30.2	30.5
Freq. (MHz)	231.5	216.0	238.5	244.0
Limit (dB)	16.0	16.6	15.7	15.5
Worst Pair	45	45	78	78
<b>PS ACR-F (dB)</b>	29.7	29.3	32.4	31.5
Freq. (MHz)	1.1	1.0	250.0	221.0
Limit (dB)	59.2	60.3	12.3	13.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	18.5	20.7	70.1	70.1
Freq. (MHz)	3.3	5.3	236.0	236.0
Limit (dB)	60.9	56.5	-1.2	-1.2
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	20.0	21.8	71.6	71.1
Freq. (MHz)	3.3	5.3	240.0	238.5
Limit (dB)	58.4	54.0	-4.6	-4.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	12
<b>RL (dB)</b>	13.9	13.3	13.9	13.3
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	8.0	8.0	8.0	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		