



Cable ID: 69063-1

Date / Time: 09/06/2018 04:24:36 PM

Headroom 19.3 dB (NEXT 36-78)

Test Limit: TIA Cat 6A Channel

Cable Type: *Cat 6A S/FTP*

NVP: 74.0%

Software Version: V5.5 Build 2

Limits Version: V6.3

Calibration Date:

Main (Module): 06/04/2018

Remote (Module): 06/04/2018

Test Summary: PASS

Model: DSX-5000

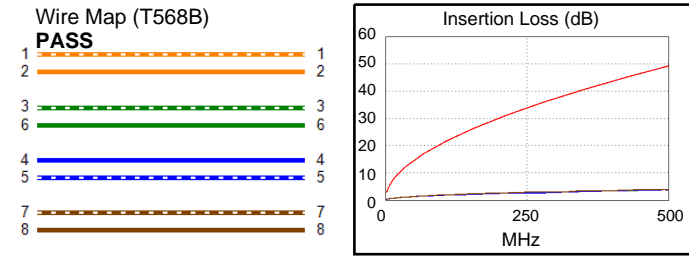
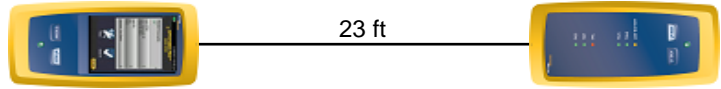
Main S/N: 3646193

Remote S/N: 3646225

Main Adapter: DSX-CHA004

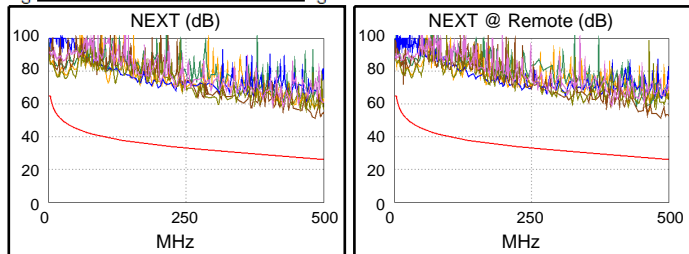
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	23
Prop. Delay (ns), Limit 555	[Pair 12]	32
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.79
Insertion Loss Margin (dB)	[Pair 78]	44.9
Frequency (MHz)	[Pair 78]	490.0
Limit (dB)	[Pair 78]	48.8

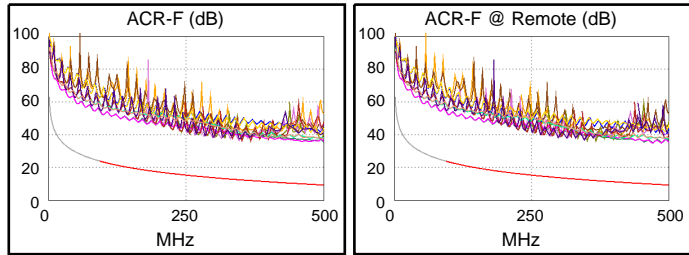


Worst Case Margin Worst Case Value

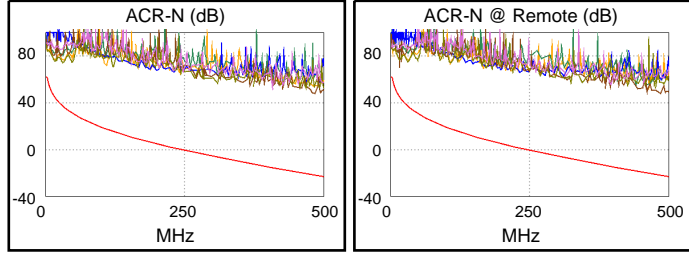
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	36-45
NEXT (dB)	19.3	20.0	24.9	24.8
Freq. (MHz)	2.9	3.9	484.0	484.0
Limit (dB)	65.0	63.3	26.5	26.5
Worst Pair	36	36	36	36
PS NEXT (dB)	19.1	19.8	26.1	26.9
Freq. (MHz)	3.0	3.6	483.0	484.0
Limit (dB)	62.0	61.2	23.6	23.6



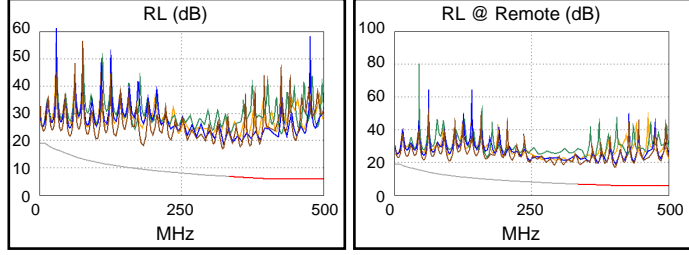
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	45-12	45-12
ACR-F (dB)	23.9	23.8	25.0	25.4
Freq. (MHz)	347.0	352.0	472.0	486.0
Limit (dB)	12.5	12.3	9.8	9.5
Worst Pair	36	45	45	45
PS ACR-F (dB)	24.4	24.1	26.3	26.3
Freq. (MHz)	350.0	352.0	500.0	472.0
Limit (dB)	9.4	9.3	6.3	6.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	36-45
ACR-N (dB)	22.6	23.5	69.9	69.8
Freq. (MHz)	2.9	2.8	484.0	484.0
Limit (dB)	61.4	61.5	-22.0	-22.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.3	23.0	70.9	71.7
Freq. (MHz)	2.4	2.8	483.0	484.0
Limit (dB)	58.7	58.5	-24.8	-24.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	10.1	11.1	10.1	11.1
Freq. (MHz)	322.0	402.0	322.0	402.0
Limit (dB)	6.9	6.0	6.9	6.0



Compliant Network Standards:

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



Cable ID: 69063-2

Date / Time: 09/06/2018 04:24:55 PM

Headroom 19.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Channel

Cable Type: *Cat 6A S/FTP*

NVP: 74.0%

Software Version: V5.5 Build 2

Limits Version: V6.3

Calibration Date:

Main (Module): 06/04/2018

Remote (Module): 06/04/2018

Test Summary: PASS

Model: DSX-5000

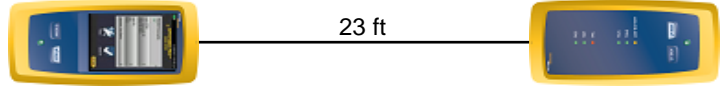
Main S/N: 3646193

Remote S/N: 3646225

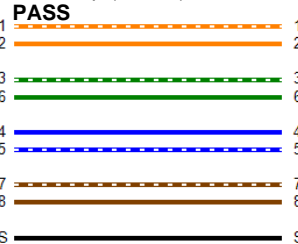
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	23
Prop. Delay (ns), Limit 555	[Pair 12]	32
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 78]	1.76
Insertion Loss Margin (dB)	[Pair 12]	45.5
Frequency (MHz)	[Pair 12]	500.0
Limit (dB)	[Pair 12]	49.3

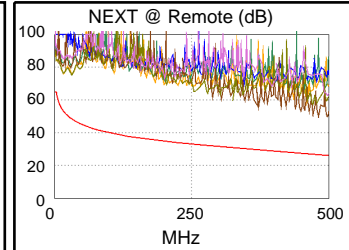
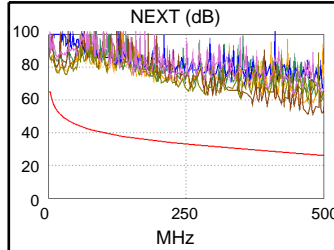


Wire Map (T568B)

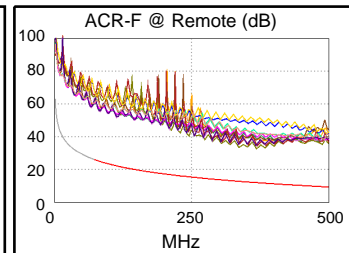
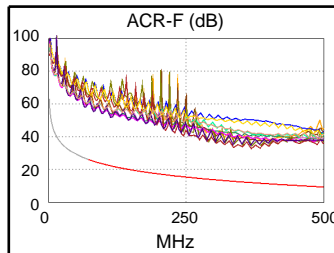


Worst Case Margin Worst Case Value

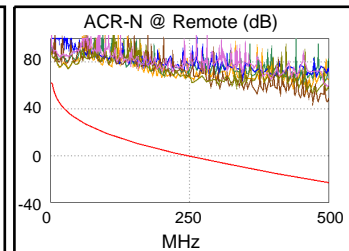
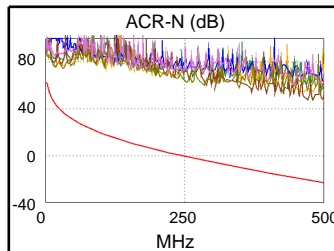
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
NEXT (dB)	19.9	19.4	24.5	23.6
Freq. (MHz)	3.0	2.9	488.0	497.0
Limit (dB)	65.0	65.0	26.4	26.2
Worst Pair	36	36	36	36
PS NEXT (dB)	19.0	18.6	26.3	26.1
Freq. (MHz)	3.3	3.0	471.0	497.0
Limit (dB)	62.0	62.0	23.9	23.3



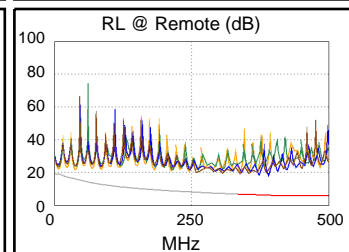
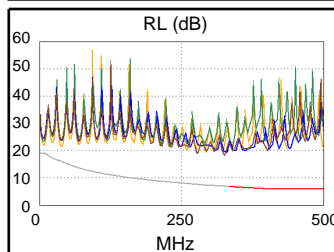
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	19.8	19.8	20.2	20.2
Freq. (MHz)	339.0	339.0	371.0	371.0
Limit (dB)	12.7	12.7	11.9	11.9
Worst Pair	36	45	36	36
PS ACR-F (dB)	20.6	21.8	21.0	21.9
Freq. (MHz)	338.0	339.0	370.0	370.0
Limit (dB)	9.7	9.7	8.9	8.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	23.2	22.7	69.7	69.1
Freq. (MHz)	3.0	2.9	488.0	497.0
Limit (dB)	61.4	61.4	-22.3	-23.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.0	21.9	70.4	71.4
Freq. (MHz)	2.4	3.0	471.0	497.0
Limit (dB)	58.7	58.4	-23.8	-25.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	45	78	45
RL (dB)	11.6	11.8	11.6	11.8
Freq. (MHz)	326.0	391.0	326.0	391.0
Limit (dB)	6.9	6.1	6.9	6.1



Compliant Network Standards:

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



Cable ID: 69063-3

Date / Time: 09/06/2018 04:17:06 PM

Headroom 20.0 dB (NEXT 36-78)

Test Limit: TIA Cat 6A Channel

Cable Type: *Cat 6A S/FTP*

NVP: 74.0%

Software Version: V5.5 Build 2

Limits Version: V6.3

Calibration Date:

Main (Module): 06/04/2018

Remote (Module): 06/04/2018

Test Summary: PASS

Model: DSX-5000

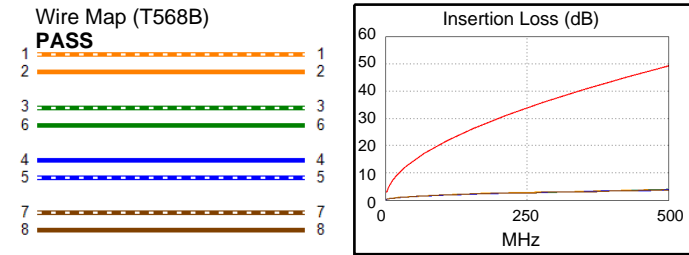
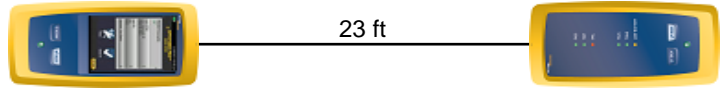
Main S/N: 3646193

Remote S/N: 3646225

Main Adapter: DSX-CHA004

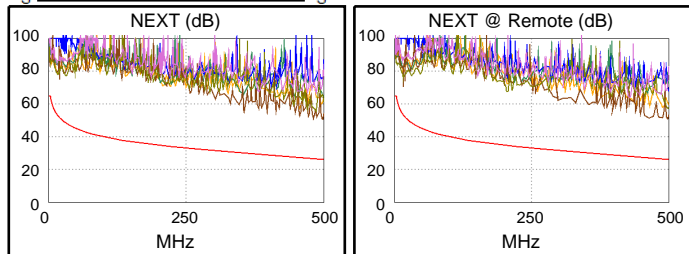
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	23
Prop. Delay (ns), Limit 555	[Pair 12]	32
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 78]	1.76
Insertion Loss Margin (dB)	[Pair 36]	45.3
Frequency (MHz)	[Pair 36]	498.0
Limit (dB)	[Pair 36]	49.2

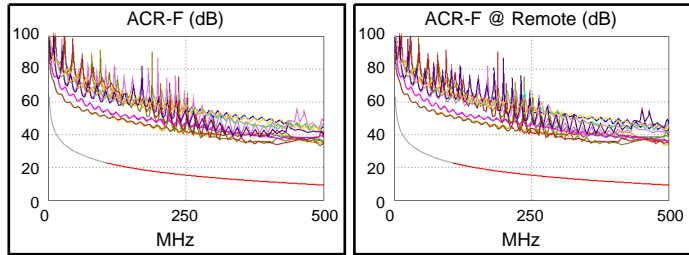


Worst Case Margin Worst Case Value

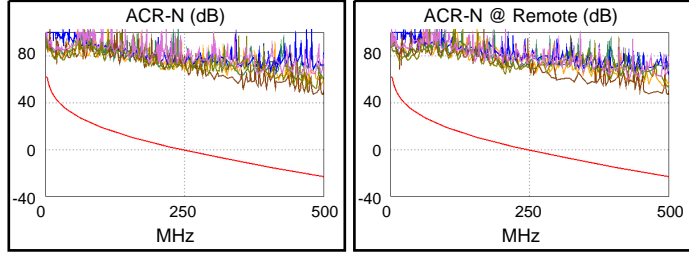
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	36-45
NEXT (dB)	20.2	20.0	24.7	24.8
Freq. (MHz)	3.3	3.0	498.0	498.0
Limit (dB)	64.5	65.0	26.1	26.1
Worst Pair	36	36	36	36
PS NEXT (dB)	19.0	20.2	27.0	26.4
Freq. (MHz)	2.9	15.5	498.0	498.0
Limit (dB)	62.0	50.8	23.3	23.3



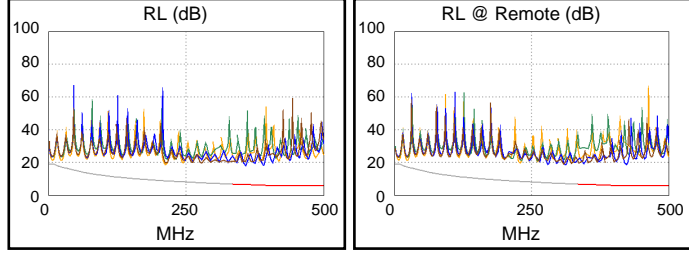
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	21.5	21.6	22.2	22.2
Freq. (MHz)	355.0	355.0	419.0	419.0
Limit (dB)	12.3	12.3	10.8	10.8
Worst Pair	45	36	36	45
PS ACR-F (dB)	23.2	23.5	23.9	23.6
Freq. (MHz)	354.0	355.0	417.0	418.0
Limit (dB)	9.3	9.3	7.9	7.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	36-45
ACR-N (dB)	23.7	23.3	70.2	70.3
Freq. (MHz)	3.3	3.0	498.0	498.0
Limit (dB)	60.7	61.4	-23.1	-23.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.3	23.5	72.3	71.7
Freq. (MHz)	2.9	2.9	498.0	498.0
Limit (dB)	58.4	58.4	-25.9	-25.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
RL (dB)	11.4	11.9	11.4	11.9
Freq. (MHz)	358.0	339.0	358.0	339.0
Limit (dB)	6.5	6.7	6.5	6.7



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



Cable ID: 69063-4

Date / Time: 09/06/2018 04:17:48 PM

Headroom 19.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Channel

Cable Type: *Cat 6A S/FTP*

NVP: 74.0%

Software Version: V5.5 Build 2

Limits Version: V6.3

Calibration Date:

Main (Module): 06/04/2018

Remote (Module): 06/04/2018

Test Summary: PASS

Model: DSX-5000

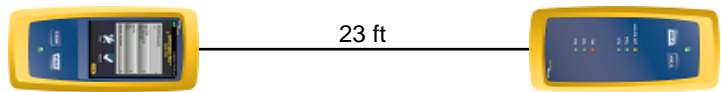
Main S/N: 3646193

Remote S/N: 3646225

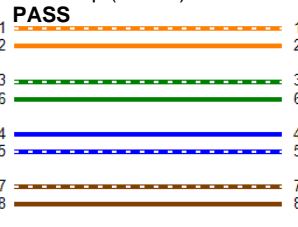
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

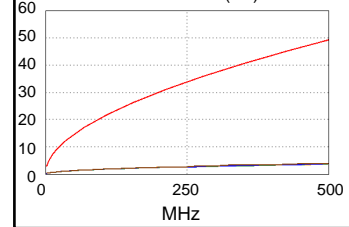
Length (ft), Limit 328	[Pair 12]	23
Prop. Delay (ns), Limit 555	[Pair 45]	32
Delay Skew (ns), Limit 50	[Pair 45]	1
Resistance (ohms)	[Pair 78]	1.80
Insertion Loss Margin (dB)	[Pair 78]	43.3
Frequency (MHz)	[Pair 78]	462.0
Limit (dB)	[Pair 78]	47.2



Wire Map (T568B)

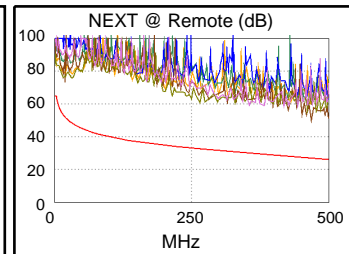
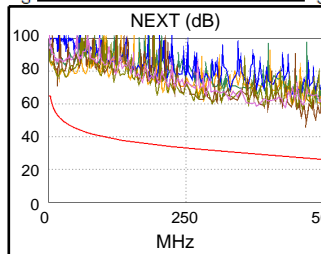


Insertion Loss (dB)

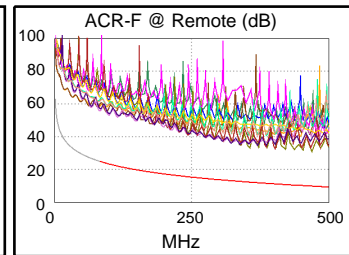
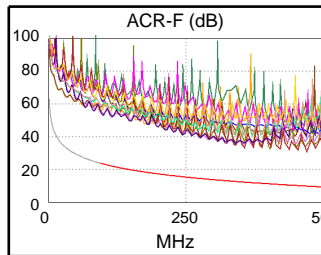


Worst Case Margin Worst Case Value

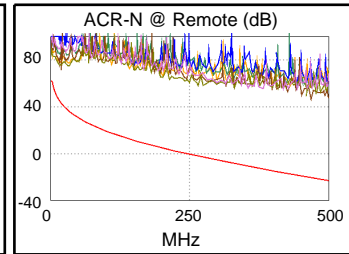
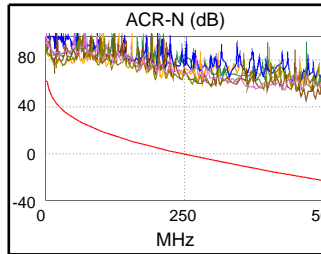
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	36-45
NEXT (dB)	19.4	19.9	22.1	23.1
Freq. (MHz)	3.0	3.4	468.0	468.0
Limit (dB)	65.0	64.2	26.9	26.9
Worst Pair	36	36	36	36
PS NEXT (dB)	18.9	19.5	24.8	25.3
Freq. (MHz)	2.8	2.9	468.0	468.0
Limit (dB)	62.0	62.0	24.0	24.0



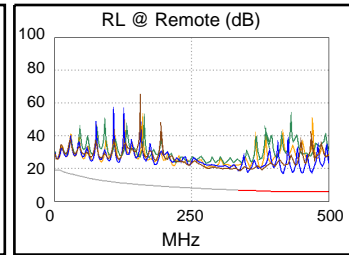
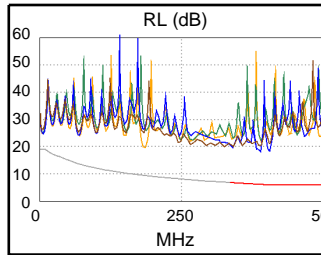
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	20.3	20.1	20.9	20.8
Freq. (MHz)	418.0	417.0	468.0	468.0
Limit (dB)	10.8	10.9	9.9	9.9
Worst Pair	36	36	36	36
PS ACR-F (dB)	21.7	22.1	23.1	22.2
Freq. (MHz)	354.0	338.0	468.0	402.0
Limit (dB)	9.3	9.7	6.9	8.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	36-45
ACR-N (dB)	22.6	23.2	66.0	67.0
Freq. (MHz)	2.8	2.5	468.0	468.0
Limit (dB)	61.5	61.7	-20.7	-20.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.1	22.8	68.8	69.3
Freq. (MHz)	2.8	2.9	468.0	468.0
Limit (dB)	58.5	58.4	-23.6	-23.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	10.7	10.7	10.7	11.0
Freq. (MHz)	386.0	354.0	386.0	417.0
Limit (dB)	6.1	6.5	6.1	6.0



Compliant Network Standards:

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



Cable ID: 69063-5

Date / Time: 09/06/2018 04:18:27 PM

Headroom 19.2 dB (NEXT 36-78)

Test Limit: TIA Cat 6A Channel

Cable Type: *Cat 6A S/FTP*

NVP: 74.0%

Software Version: V5.5 Build 2

Limits Version: V6.3

Calibration Date:

Main (Module): 06/04/2018

Remote (Module): 06/04/2018

Test Summary: PASS

Model: DSX-5000

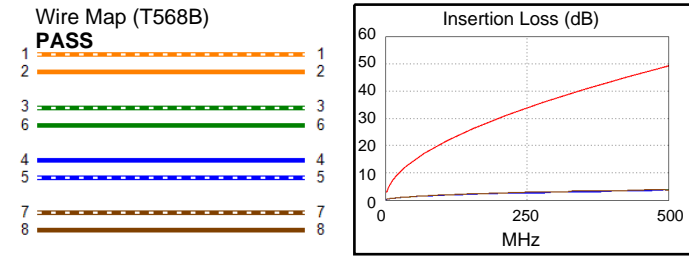
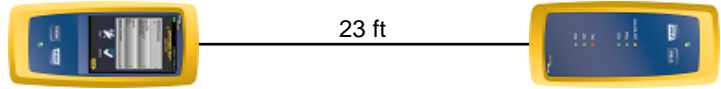
Main S/N: 3646193

Remote S/N: 3646225

Main Adapter: DSX-CHA004

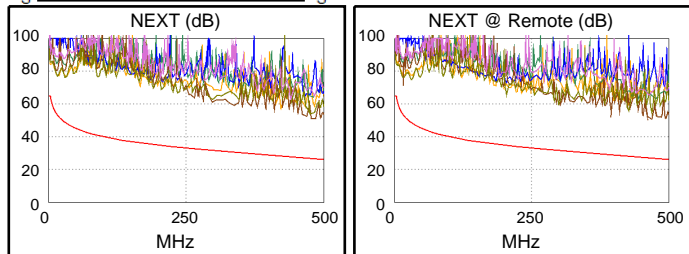
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	23
Prop. Delay (ns), Limit 555	[Pair 12]	32
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.80
Insertion Loss Margin (dB)	[Pair 36]	45.4
Frequency (MHz)	[Pair 36]	498.0
Limit (dB)	[Pair 36]	49.2

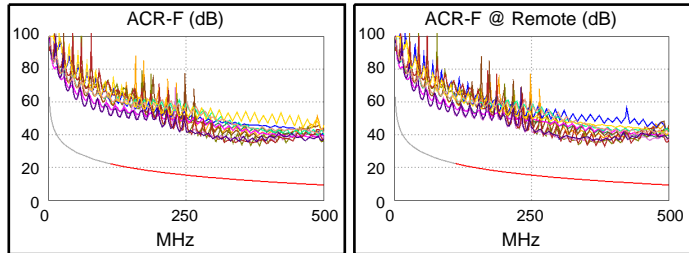


Worst Case Margin Worst Case Value

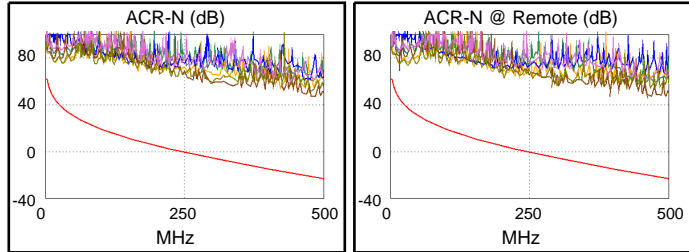
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	36-45
NEXT (dB)	19.4	19.2	23.7	23.8
Freq. (MHz)	3.0	3.4	478.0	469.0
Limit (dB)	65.0	64.2	26.6	26.9
Worst Pair	36	36	36	36
PS NEXT (dB)	18.8	19.4	25.2	25.2
Freq. (MHz)	3.0	3.3	484.0	469.0
Limit (dB)	62.0	62.0	23.6	24.0



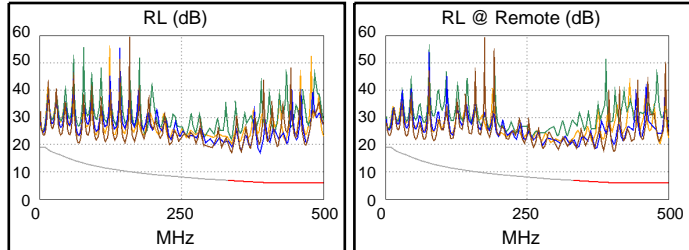
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	20.8	20.9	21.6	21.4
Freq. (MHz)	337.0	337.0	384.0	384.0
Limit (dB)	12.7	12.7	11.6	11.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	21.5	21.8	21.7	21.9
Freq. (MHz)	335.0	367.0	367.0	383.0
Limit (dB)	9.8	9.0	9.0	8.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	36-45
ACR-N (dB)	22.7	22.7	68.1	68.1
Freq. (MHz)	3.0	3.4	478.0	469.0
Limit (dB)	61.4	60.4	-21.5	-20.8
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.0	22.8	70.0	69.3
Freq. (MHz)	2.4	2.8	484.0	469.0
Limit (dB)	58.7	58.5	-24.8	-23.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	78
RL (dB)	10.3	11.2	10.9	11.5
Freq. (MHz)	338.0	304.0	388.0	404.0
Limit (dB)	6.7	7.2	6.1	6.0



Compliant Network Standards:

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



Cable ID: 69063-6

Date / Time: 09/06/2018 04:29:08 PM

Headroom 19.9 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Channel

Cable Type: *Cat 6A S/FTP*

NVP: 74.0%

Software Version: V5.5 Build 2

Limits Version: V6.3

Calibration Date:

Main (Module): 06/04/2018

Remote (Module): 06/04/2018

Test Summary: PASS

Model: DSX-5000

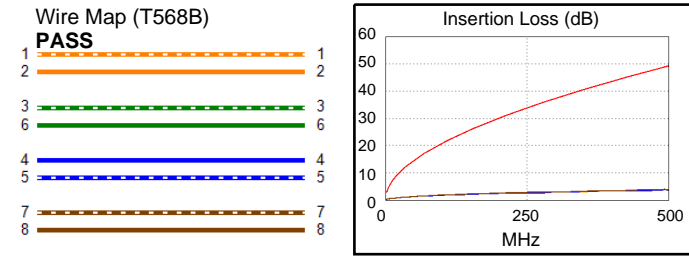
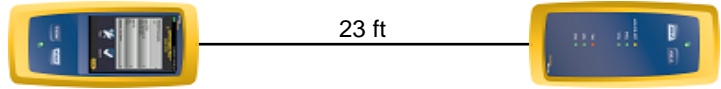
Main S/N: 3646193

Remote S/N: 3646225

Main Adapter: DSX-CHA004

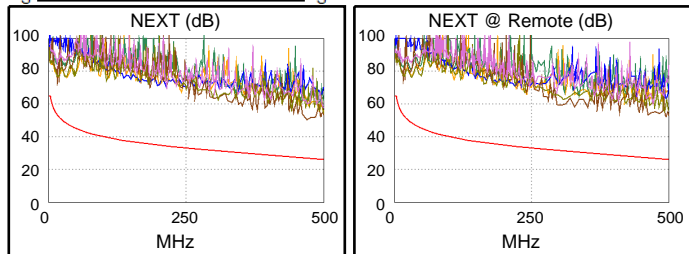
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	23
Prop. Delay (ns), Limit 555	[Pair 12]	32
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 78]	1.76
Insertion Loss Margin (dB)	[Pair 78]	45.0
Frequency (MHz)	[Pair 78]	493.0
Limit (dB)	[Pair 78]	48.9

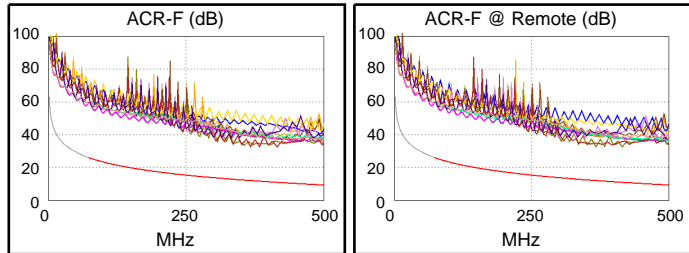


Worst Case Margin Worst Case Value

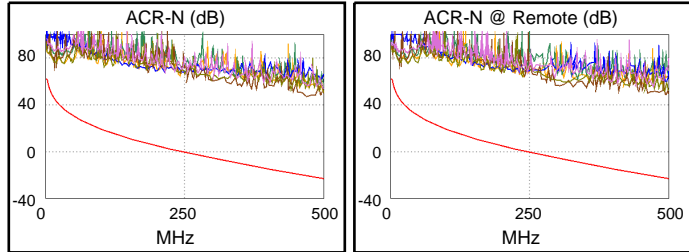
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
NEXT (dB)	19.9	20.6	23.5	24.3
Freq. (MHz)	2.6	2.8	469.0	478.0
Limit (dB)	65.0	65.0	26.9	26.6
Worst Pair	36	36	36	36
PS NEXT (dB)	19.2	19.1	26.3	26.7
Freq. (MHz)	3.9	3.9	500.0	485.0
Limit (dB)	60.8	60.8	23.2	23.6



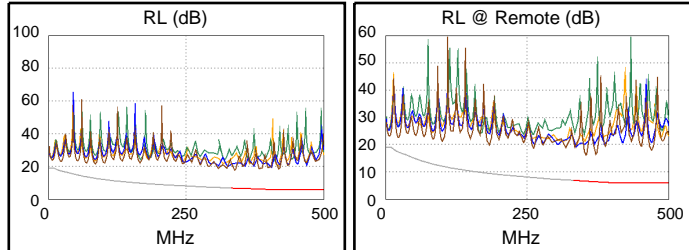
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	20.3	20.4	21.1	21.0
Freq. (MHz)	353.0	353.0	400.0	400.0
Limit (dB)	12.3	12.3	11.2	11.2
Worst Pair	45	36	45	45
PS ACR-F (dB)	21.8	22.0	22.2	22.5
Freq. (MHz)	353.0	351.0	399.0	414.0
Limit (dB)	9.3	9.4	8.2	7.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	23.0	23.8	68.6	68.7
Freq. (MHz)	2.6	2.8	479.0	478.0
Limit (dB)	61.6	61.5	-21.6	-21.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.4	22.7	71.9	71.6
Freq. (MHz)	2.5	2.5	500.0	485.0
Limit (dB)	58.7	58.7	-26.1	-24.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	11.0	9.6	11.5	9.6
Freq. (MHz)	338.0	354.0	385.0	354.0
Limit (dB)	6.7	6.5	6.1	6.5



Compliant Network Standards:

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