



Cable ID: 69069-1

Date / Time: 09/11/2018 04:25:29 PM

Headroom 10.6 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

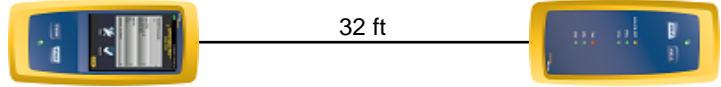
Main S/N: 18020118

Remote S/N: 17480513

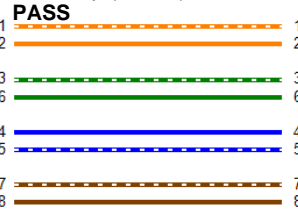
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	32
Prop. Delay (ns), Limit 555	[Pair 36]	50
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 45]	2.60
Insertion Loss Margin (dB)	[Pair 12]	31.0
Frequency (MHz)	[Pair 12]	249.0
Limit (dB)	[Pair 12]	35.9

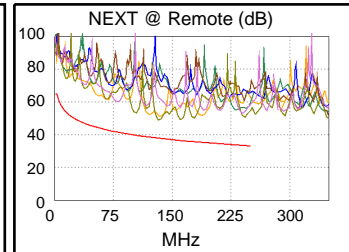
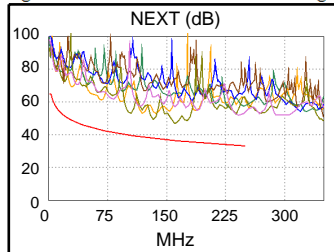


Wire Map (T568B)

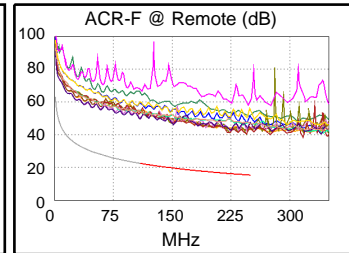
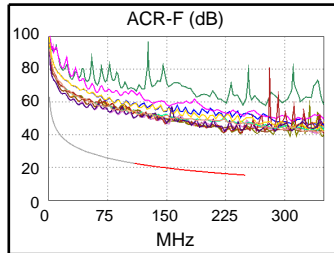


Worst Case Margin Worst Case Value

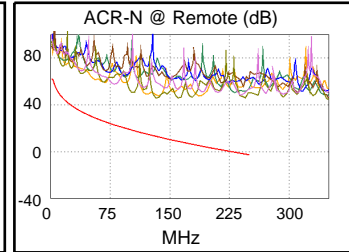
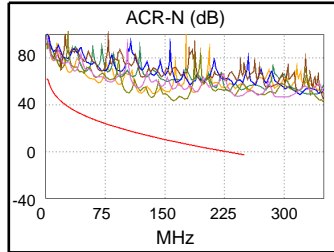
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	10.6	11.1	10.6	11.2
Freq. (MHz)	161.0	134.0	161.0	134.5
Limit (dB)	36.4	37.8	36.4	37.7
Worst Pair	36	36	78	36
PS NEXT (dB)	13.1	12.0	13.1	12.0
Freq. (MHz)	134.5	134.5	161.0	134.5
Limit (dB)	34.9	34.9	33.5	34.9



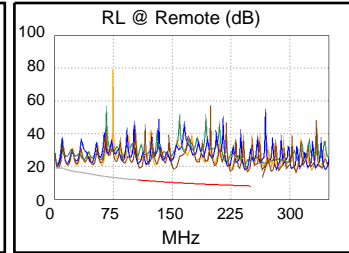
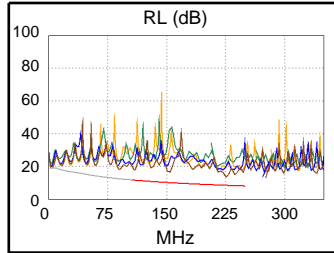
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	24.8	24.7	24.9	24.9
Freq. (MHz)	223.0	223.0	244.5	244.5
Limit (dB)	16.3	16.3	15.5	15.5
Worst Pair	36	36	36	36
PS ACR-F (dB)	23.9	24.5	24.4	25.0
Freq. (MHz)	224.0	224.0	245.5	244.5
Limit (dB)	13.3	13.3	12.5	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	36-78
ACR-N (dB)	25.5	24.4	34.8	37.1
Freq. (MHz)	2.0	2.4	161.0	162.5
Limit (dB)	62.0	61.9	8.6	8.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	25.1	25.4	37.3	33.6
Freq. (MHz)	2.0	2.4	161.0	134.5
Limit (dB)	59.0	58.9	5.7	9.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	12
RL (dB)	5.2	6.8	5.2	8.4
Freq. (MHz)	226.5	109.5	226.5	246.5
Limit (dB)	8.4	11.6	8.4	8.1



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: 69069-2

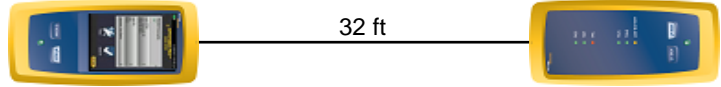
Date / Time: 09/11/2018 04:26:22 PM
Headroom 10.7 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Channel
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	32
Prop. Delay (ns), Limit 555	[Pair 36]	50
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 12]	2.62
Insertion Loss Margin (dB)	[Pair 36]	30.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

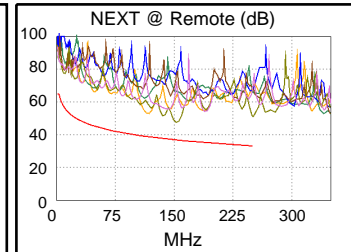
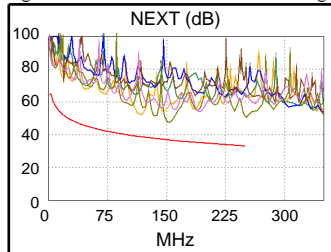


Wire Map (T568B)

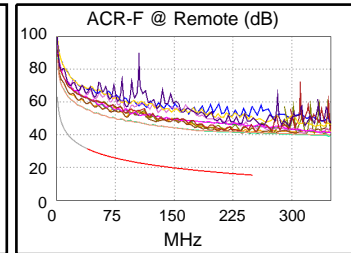
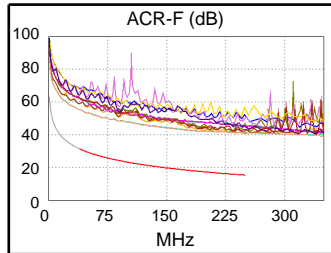


Worst Case Margin Worst Case Value

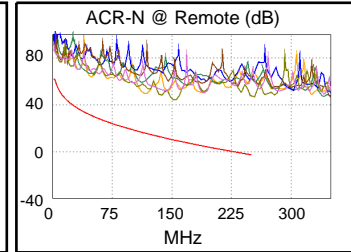
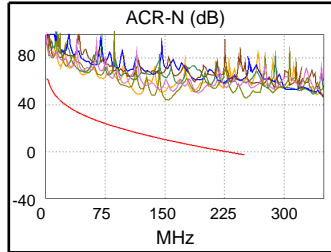
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	10.7	10.8	10.8	10.8
Freq. (MHz)	153.5	153.5	154.0	153.5
Limit (dB)	36.8	36.8	36.7	36.8
Worst Pair	36	36	36	36
PS NEXT (dB)	13.2	13.6	13.2	13.6
Freq. (MHz)	153.0	153.5	153.0	153.5
Limit (dB)	33.9	33.9	33.9	33.9



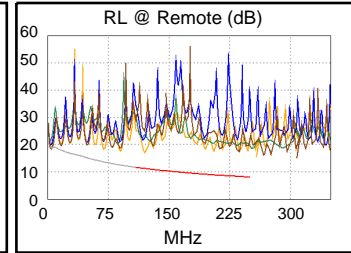
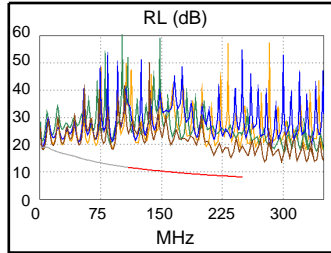
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	23.1	23.1	24.5	24.3
Freq. (MHz)	16.0	16.0	236.5	235.5
Limit (dB)	39.2	39.2	15.8	15.8
Worst Pair	45	45	36	45
PS ACR-F (dB)	24.0	24.0	25.1	24.4
Freq. (MHz)	1.0	1.0	246.5	234.5
Limit (dB)	60.3	60.3	12.4	12.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-78	36-78
ACR-N (dB)	23.7	23.4	34.4	34.4
Freq. (MHz)	2.9	3.0	154.0	153.5
Limit (dB)	61.6	61.5	9.6	9.7
Worst Pair	78	36	36	36
PS ACR-N (dB)	24.7	24.6	36.5	36.9
Freq. (MHz)	3.3	7.8	153.0	153.5
Limit (dB)	58.4	50.3	6.8	6.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	12
RL (dB)	6.9	5.8	6.9	5.8
Freq. (MHz)	236.5	120.5	236.5	120.5
Limit (dB)	8.3	11.2	8.3	11.2



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: 69069-3

Date / Time: 09/11/2018 04:27:29 PM

Headroom 11.6 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

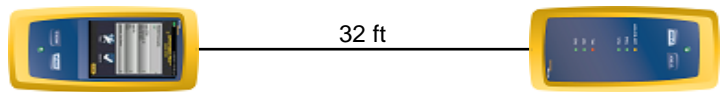
Main S/N: 18020118

Remote S/N: 17480513

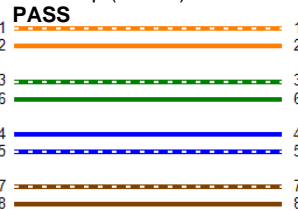
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

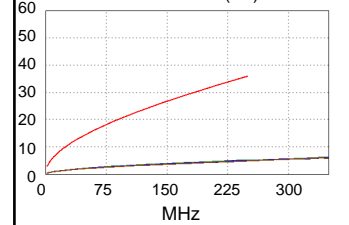
Length (ft), Limit 328	[Pair 12]	32
Prop. Delay (ns), Limit 555	[Pair 36]	50
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.62
Insertion Loss Margin (dB)	[Pair 12]	30.0
Frequency (MHz)	[Pair 12]	239.0
Limit (dB)	[Pair 12]	35.0



Wire Map (T568B)

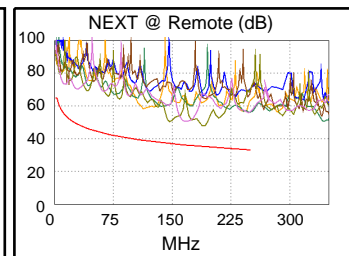
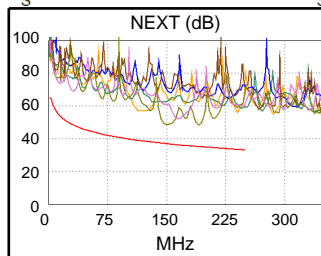


Insertion Loss (dB)

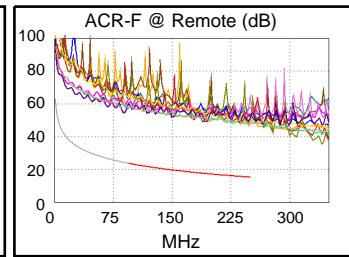
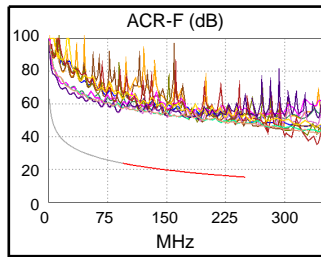


Worst Case Margin Worst Case Value

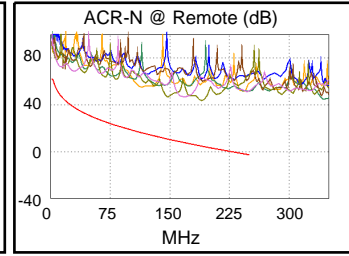
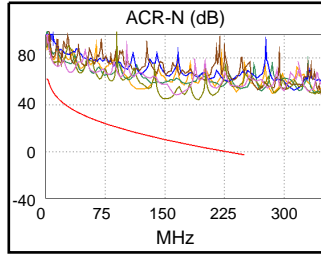
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	11.6	12.4	13.1	12.5
Freq. (MHz)	151.5	190.0	192.0	191.5
Limit (dB)	36.9	35.2	35.1	35.1
Worst Pair	78	36	36	36
PS NEXT (dB)	14.3	15.1	15.8	15.1
Freq. (MHz)	151.5	190.5	191.5	190.5
Limit (dB)	34.0	32.2	32.2	32.2



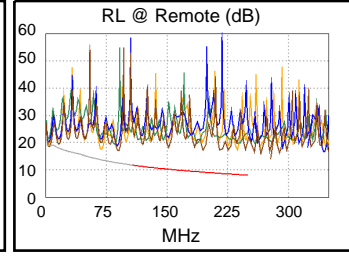
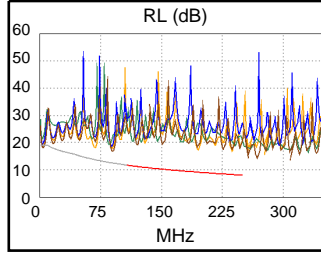
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-12	12-36
ACR-F (dB)	30.3	30.2	31.3	31.2
Freq. (MHz)	89.0	89.0	248.5	248.5
Limit (dB)	24.3	24.3	15.4	15.4
Worst Pair	78	45	78	36
PS ACR-F (dB)	30.8	29.9	31.8	31.7
Freq. (MHz)	2.9	1.0	247.0	247.0
Limit (dB)	51.1	60.3	12.4	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	36-78
ACR-N (dB)	24.9	23.4	39.9	39.2
Freq. (MHz)	7.8	9.6	192.0	191.5
Limit (dB)	52.8	50.6	4.3	4.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	23.9	24.2	42.2	41.6
Freq. (MHz)	7.8	2.4	191.5	191.5
Limit (dB)	50.3	58.9	1.4	1.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	8.0	8.0	8.5	8.1
Freq. (MHz)	120.5	216.0	237.0	217.0
Limit (dB)	11.2	8.7	8.3	8.6



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-155	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		



Cable ID:69069-4

Date / Time: 09/11/2018 04:28:22 PM

Headroom 12.9 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

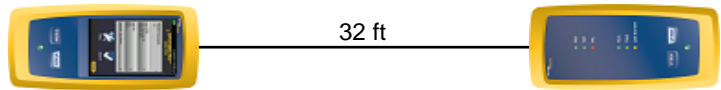
Main S/N: 18020118

Remote S/N: 17480513

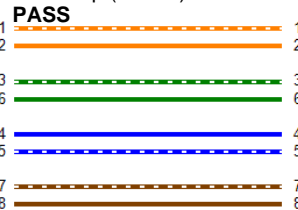
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

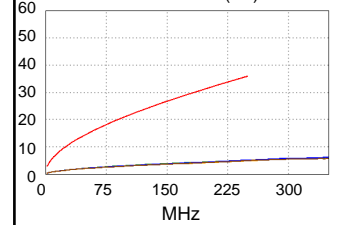
Length (ft), Limit 328	[Pair 78]	32
Prop. Delay (ns), Limit 555	[Pair 36]	50
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.62
Insertion Loss Margin (dB)	[Pair 36]	30.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9



Wire Map (T568B)

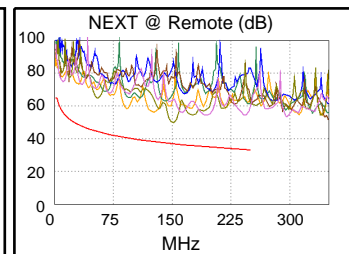
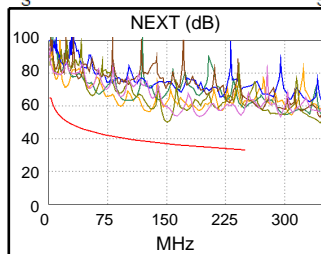


Insertion Loss (dB)

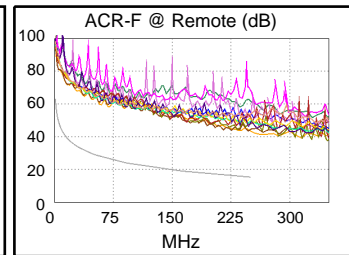
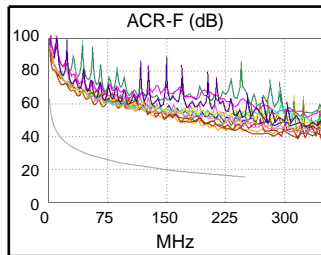


Worst Case Margin Worst Case Value

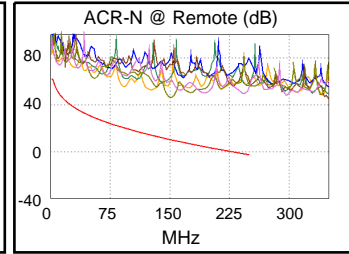
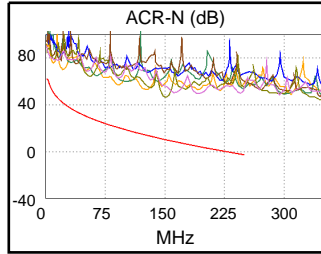
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	13.2	12.9	13.2	12.9
Freq. (MHz)	151.5	151.5	151.5	151.5
Limit (dB)	36.9	36.9	36.9	36.9
Worst Pair	78	36	78	36
PS NEXT (dB)	15.6	15.5	15.6	15.5
Freq. (MHz)	151.5	150.5	151.5	150.5
Limit (dB)	34.0	34.0	34.0	34.0



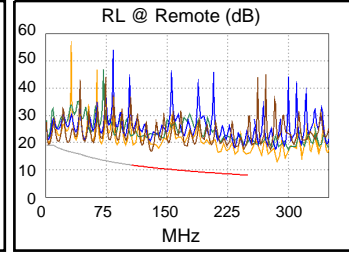
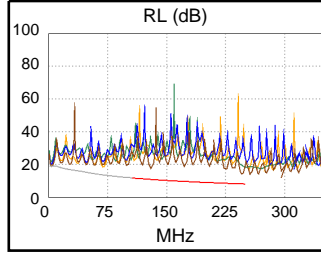
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	12-36
ACR-F (dB)	27.4	27.6	27.9	28.1
Freq. (MHz)	215.5	215.5	247.0	250.0
Limit (dB)	16.6	16.6	15.4	15.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	28.0	28.6	28.0	28.6
Freq. (MHz)	234.5	236.0	234.5	236.0
Limit (dB)	12.9	12.8	12.9	12.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	36-78	36-78
ACR-N (dB)	23.2	21.9	36.5	36.2
Freq. (MHz)	3.9	3.1	151.5	151.5
Limit (dB)	59.3	61.2	10.0	10.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	23.9	23.8	38.8	38.5
Freq. (MHz)	7.8	7.8	151.0	150.5
Limit (dB)	50.3	50.3	7.2	7.2



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	12
RL (dB)	6.0	5.9	6.0	7.1
Freq. (MHz)	246.0	130.0	246.0	235.5
Limit (dB)	8.1	10.9	8.1	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: 69069-5

Date / Time: 09/11/2018 04:21:33 PM

Headroom 10.7 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

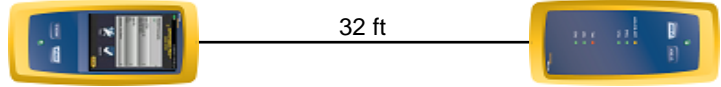
Main S/N: 18020118

Remote S/N: 17480513

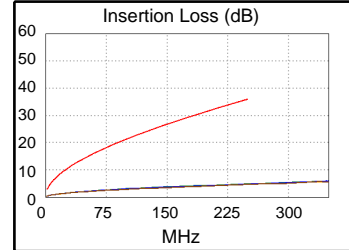
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	32
Prop. Delay (ns), Limit 555	[Pair 36]	50
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 45]	2.61
Insertion Loss Margin (dB)	[Pair 36]	31.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

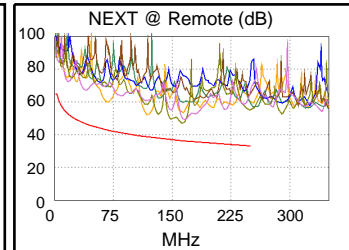
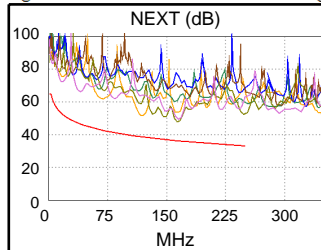


Wire Map (T568B)

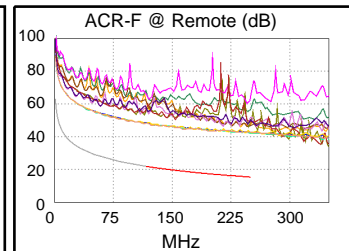
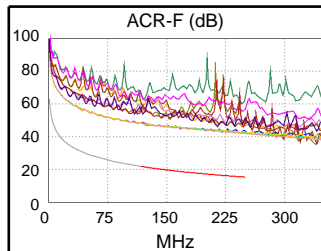


Worst Case Margin Worst Case Value

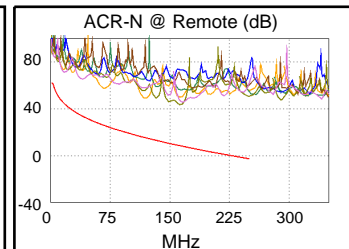
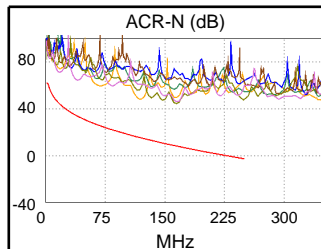
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	11.6	10.7	11.7	10.7
Freq. (MHz)	164.0	163.5	164.5	163.5
Limit (dB)	36.3	36.3	36.2	36.3
Worst Pair	78	78	78	78
PS NEXT (dB)	12.3	11.8	12.4	11.8
Freq. (MHz)	164.0	165.0	165.5	165.0
Limit (dB)	33.4	33.3	33.3	33.3



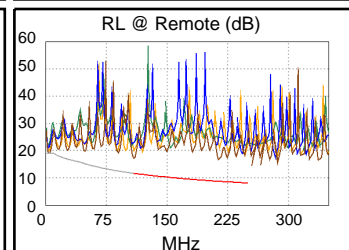
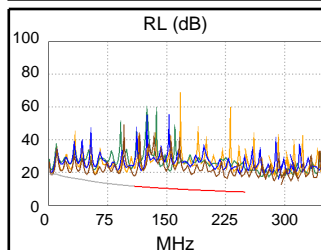
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	45-78
ACR-F (dB)	25.4	25.5	26.7	26.9
Freq. (MHz)	125.5	165.5	250.0	250.0
Limit (dB)	21.3	18.9	15.3	15.3
Worst Pair	78	78	78	78
PS ACR-F (dB)	25.3	25.2	27.2	26.9
Freq. (MHz)	2.4	4.6	250.0	250.0
Limit (dB)	52.7	47.0	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	36-78
ACR-N (dB)	24.5	25.2	36.3	35.3
Freq. (MHz)	3.3	3.6	164.5	163.5
Limit (dB)	60.9	59.9	8.1	8.2
Worst Pair	78	78	78	78
PS ACR-N (dB)	23.7	26.1	37.1	36.5
Freq. (MHz)	3.3	3.1	165.5	165.0
Limit (dB)	58.4	58.4	5.0	5.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	6.3	5.6	7.5	7.6
Freq. (MHz)	109.5	109.5	226.0	215.0
Limit (dB)	11.6	11.6	8.5	8.7



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: 69069-6

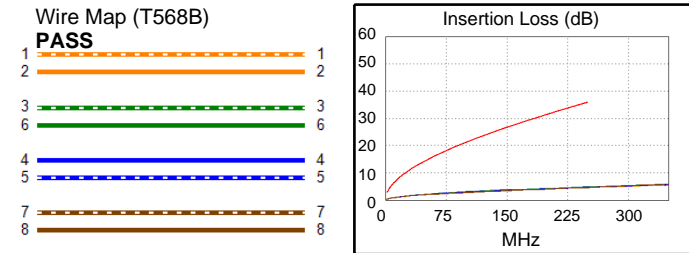
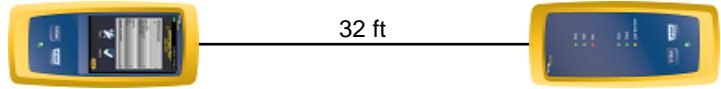
Date / Time: 09/11/2018 04:22:04 PM
Headroom 11.3 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Channel
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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

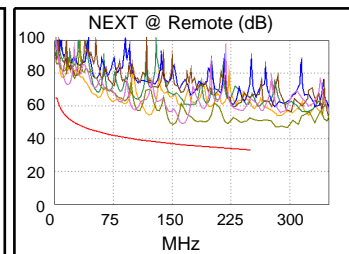
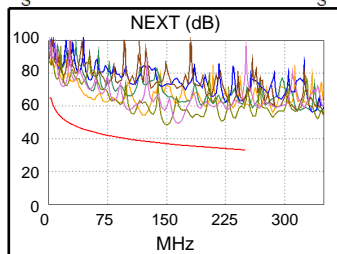
Model: DSX-5000
 Main S/N: 18020118
 Remote S/N: 17480513
 Main Adapter: DSX-CHA004
 Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	32
Prop. Delay (ns), Limit 555	[Pair 36]	50
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 45]	2.64
Insertion Loss Margin (dB)	[Pair 36]	31.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

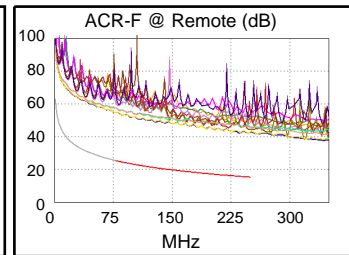
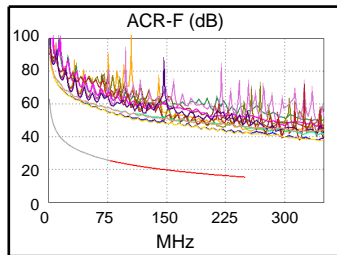


Worst Case Margin Worst Case Value

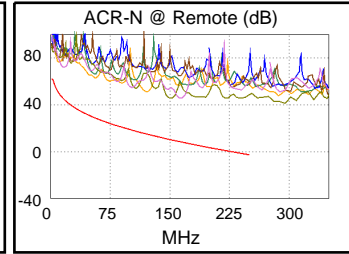
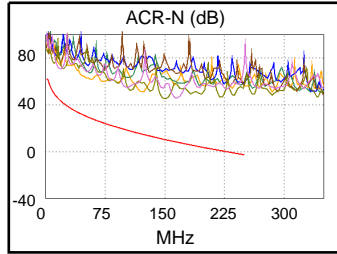
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	11.3	11.9	11.3	12.0
Freq. (MHz)	149.5	151.5	149.5	152.0
Limit (dB)	37.0	36.9	37.0	36.8
Worst Pair	78	78	78	78
PS NEXT (dB)	13.8	14.2	13.8	14.2
Freq. (MHz)	149.5	150.0	149.5	150.0
Limit (dB)	34.1	34.0	34.1	34.0



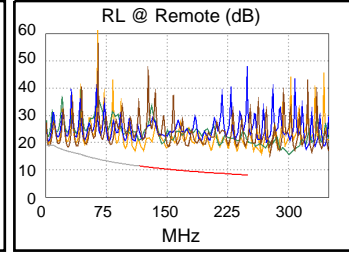
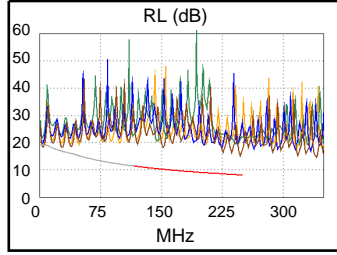
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	26.2	26.4	26.4	26.5
Freq. (MHz)	236.5	236.5	247.5	248.0
Limit (dB)	15.8	15.8	15.4	15.4
Worst Pair	78	78	78	78
PS ACR-F (dB)	27.8	27.3	27.8	27.3
Freq. (MHz)	248.5	248.0	248.5	248.0
Limit (dB)	12.4	12.4	12.4	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	22.8	23.7	34.8	44.6
Freq. (MHz)	2.1	2.9	150.0	221.5
Limit (dB)	62.0	61.6	10.2	0.6
Worst Pair	36	36	36	36
PS ACR-N (dB)	23.2	23.9	37.2	46.9
Freq. (MHz)	2.4	2.4	149.5	221.0
Limit (dB)	58.9	58.9	7.4	-2.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	12
RL (dB)	6.9	5.0	6.9	5.0
Freq. (MHz)	248.0	109.5	248.0	109.5
Limit (dB)	8.1	11.6	8.1	11.6



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